

Missouri State

COVID-19 Advisory

Information and updates regarding COVID-19

Updated: November 3, 2020

Graduate College

Graduate Catalog

COVID-19 notice

For the latest information on COVID-19 visit the [COVID-19 Information Center](https://www.missouristate.edu/Coronavirus/) (<https://www.missouristate.edu/Coronavirus/>).

For Spring 2021 applications **some programs are waiving the GRE/GMAT requirements**. Please see GradCas to determine if your particular program of interest has waived this standardized test requirement.

English proficiency requirement

Missouri State is currently accepting the [Duolingo English Test](https://englishtest.duolingo.com/applicants) (<https://englishtest.duolingo.com/applicants>) as proof of English proficiency.

The Duolingo score minimum requirements are:

- Undergraduate: 85
- Graduate: 100

You may send your scores directly to Missouri State University from the Duolingo website, free of charge or email your Duolingo English Test score report, including your verification link, to InternationalDocuments@MissouriState.edu (<mailto:InternationalDocuments@MissouriState.edu>). We will not require additional proof of English proficiency at this time.

Current publication

Final edition

2020-21 catalog

(effective Fall 2020)

Next publications

Spring edition

2020-21 catalog
mid November 2020
(effective Spring, 2021)

The catalog is an information guide to Missouri State University. The sections on University Policies, Academic Policies, and Graduate College Policies constitute the “Graduate Student Manual”. All graduate

students are expected to become familiar with these policies and procedures, as they describe the rights and responsibilities of graduate students at Missouri State University. It is not possible to cover all potential situations in these pages, so graduate students (current and future) should contact the Graduate College for clarification or more information. Specific departments and graduate programs may have additional policies, procedures, and requirements not covered in these sections.

In addition to general information about the University, the graduate catalog includes a comprehensive and official listing and/or description of the following:

- academic programs and policies,
- graduate degree requirements,
- graduate courses,
- tuition and fees,
- faculty and their teaching credentials.

The University publishes a separate [undergraduate catalog](https://www.missouristate.edu/Registrar/Catalog/) (<https://www.missouristate.edu/Registrar/Catalog/>) which includes undergraduate admission requirements, academic policies, degree requirements and faculty.

All requirements, curricula, policies, procedures, fees, courses, and other matters described in the catalog are subject to change by the appropriate action of the faculty, the University administration and the Board of Governors.

GRADUATE ACADEMIC PROGRAMS(/Catalog/Programs-Offered.htm)

GRADUATE COLLEGE POLICIES(/CurrentStudents/Policies.htm)

ACADEMIC POLICIES(/CurrentStudents/academic-policies.htm)

UNIVERSITY POLICIES(/CurrentStudents/university-policies.htm)

COLLEGES AND ACADEMIC UNITS(/Catalog/colleges-and-academic-units.htm)

FEES/COST AND REGISTRATION(<https://www.missouristate.edu/Costs/>)


FINANCIAL ASSISTANCE (<https://www.missouristate.edu/FinancialAid/Graduate.htm>)




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
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<https://graduate.missouristate.edu/Catalog/>

Missouri State

Graduate College

Graduate Catalog


General Information

- [Graduate Calendar](#)
- [University Information and Accreditation](#)
- [University Policies](#)
- [Graduate College](#)
- [Costs/Fees and Registration](#)
- [Financial Assistance](#)





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<https://graduate.missouristate.edu/Catalog/General-Information.htm>

Missouri State

Office of the Registrar

Detailed Tuition and Fees

2020-21 required student fees

Required Student Fees are a combination of Tuition and Student Services Fees. [Additional enrollment fees](https://Registrar/detailed-tuition-and-fees.htm#enrollmentfees) ([/Registrar/detailed-tuition-and-fees.htm#enrollmentfees](https://Registrar/detailed-tuition-and-fees.htm#enrollmentfees)) are charged for certain classes.

Tuition for regular instruction (per credit hour)

| Course Level or Type (includes blended courses [†]) | Missouri Resident | Non-Missouri Resident |
|--|-------------------|-----------------------|
| Courses numbered 1-599 | \$228.00 | \$517.00 |
| Courses numbered 600-999 (not listed below) | \$302.00 | \$608.00 |
| McQueary College of Health and Human Services - ANE courses numbered 700-899 | \$302.00 | \$302.00 |

[†]Blended courses are those that integrate online and traditional face to face activities. They are assessed at the regular instruction rate and are assessed Student Services Fees. Such courses are identified with an instructional method of "blended" in the class schedule.

Tuition for Internet based instruction (per credit hour)

| Course Level or Type (does not include blended courses [†]) | Missouri Resident | Non-Missouri Resident |
|--|-------------------|-----------------------|
| Internet based instruction for courses numbered 1-599 | \$299.00 | \$299.00 |
| internet based instruction for courses numbered 600-999 (not listed below) | \$309.00 | \$309.00 |

| Course Level or Type <i>(does not include blended courses[†])</i> | Missouri Resident | Non-Missouri Resident |
|---|--------------------------|------------------------------|
| Master of Science in Information Technology: ITC 732, 734, 736, 738, 740, 742, 744, 746, 747, 748, 750, 752, 754, 756, 765, 775 When taken for degree credit in the Master of Science in information Technology program, these courses will not be assessed the graduate-level College of Business Additional Per Credit Hour fee. | \$500.00 | \$500.00 |

[†]Blended courses are those that integrate online and traditional face to face activities. They are assessed at the regular instruction rate and are assessed Student Services Fees. Such courses are identified with an instructional method of "blended" in the class schedule.

Tuition for courses offered at BearNet locations other than Springfield including ITV instruction (per credit hour)

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|-------------------------------------|---|------------------------------|
| Courses numbered 1-599 | \$228.00 | \$228.00 |
| Courses numbered 600-999 | \$302.00 | \$302.00 |
| EDD courses numbered 900-999 | based on University of Missouri-Columbia rate | |

Tuition for courses offered via Web Conference (per credit hour)

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|-------------------------------------|---|------------------------------|
| Courses numbered 1-599 | \$228.00 | \$228.00 |
| Courses numbered 600-999 | \$302.00 | \$302.00 |
| EDD courses numbered 900-999 | based on University of Missouri-Columbia rate | |

Exceptions to the above

Per credit hour

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|--|--------------------------|------------------------------|
| High School Dual Credit | \$70.00 | \$70.00 |
| AGE 728 and AGE 738 | \$175.00 | \$175.00 |
| eMINTS (Enhancing Missouri's Instructional Networked Teaching Strategies) | \$100.00 | \$100.00 |

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|--|-------------------|-----------------------|
| R-12 enrollees in SFR 791/Step-Up | \$45.00 | \$45.00 |
| EDD (Educational Leadership) 900-level courses are based on University of Missouri-Columbia per credit hour fee | | |
| EGR (cooperative Engineering program) 100, 200, 201, 300, 301, 400, 401, 500, 501 are based on Missouri University of Science and Technology rates | | |
| For Study Away courses or exchanges administered by MSU, tuition will be assessed at the Missouri resident rate for both residents and non-residents. This does not apply to students registered in courses administered by affiliate program providers. Additional program fees will be assessed. | | |

Flat fee in place of per credit hour

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|--|------------------------|------------------------|
| GEN 598 and GEN 798, Active in Research | \$75.00 flat fee | \$75.00 flat fee |
| MIL 225 and MIL 325, Military Science Practicum | \$150.00 flat fee | \$150.00 flat fee |
| MS to DNAP courses, Sections 895[‡] | \$2,700.00 flat fee | \$2,700.00 flat fee |
| [‡] For students admitted into the MS to DNAP completion program (coded NAPM-DNAP), tuition and fees will be assessed at the Flat Fee rate of \$2,700 for each three-credit course. | | |

Student Services Fees

Student Services Fees are assessed in addition to tuition and are based on the total credit hours for which a student enrolls, **excluding** the credit hours associated with the following sections identified as:

- Intersession, iCourse, and Internet
- Sections taught in any location other than the Springfield campus
- Sections scheduled to meet on the Springfield campus fewer than four times

Fall 2020 and Spring 2021[§]

| Credit Hours | Fee Total |
|--------------------|-----------|
| 1-hour load | \$194.00 |
| 2-hour load | \$247.00 |
| 3-hour load | \$299.00 |
| 4-hour load | \$351.00 |

| Credit Hours | Fee Total |
|----------------------------|------------------|
| 5-hour load | \$402.00 |
| 6-hour load | \$456.00 |
| 7 or more-hour load | \$549.00 |

Summer 2020

| Credit Hours | Fee Total |
|----------------------------|------------------|
| 1-hour load | \$121.00 |
| 2-hour load | \$165.00 |
| 3-hour load | \$212.00 |
| 4 or more-hour load | \$260.00 |

Additional information regarding Student Service Fees is available.

Other Enrollment Fees (per credit hour)

These enrollment Fees will not be assessed for sections identified as High School Dual Credit, but will be assessed for online courses.

William H. Darr College of Agriculture

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|--------------------------|------------------------------|
| AGB, AGC, AGE, AGN, AGP, AGR, AGS, and AGV courses numbered 100-199 | \$15.00 | \$15.00 |
| AGB, AGC, AGE, AGN, AGP, AGR, AGS, and AGV courses numbered 200-799 except: AGE 493, 494 and 499 | \$30.00 | \$30.00 |

College of Arts and Letters

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|--------------------------|------------------------------|
| Media, Journalism & Film Production-Intensive Courses: JRN 384, 388, 478, 481, 493, and 592 MED 130, 290, 361, 365, 382, 383, 390, 461, 462, 465, 466, 472, 490, 493, 498, 561, 562, 583, 762, and 793 | \$25.00 | \$25.00 |

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|-------------------|-----------------------|
| Music courses numbered 000-799 except: MUS 107, 108, 149, 151, 152, 153, 155, 156, 157, 158, 159, 160, 207, 208, 249, 251, 252, 253, 255, 256, 257, 258, 259, 260, 298, 307, 308, 349, 351, 352, 353, 355, 356, 357, 358, 359, 360, 398, 407, 449, 451, 452, 453, 455, 456, 457, 458, 459, 460, 488, 494, 496, 498, 499, 649, 651, 652, 653, 655, 656, 657, 660, 749, 751, 752, 753, 755, 756, 757, 760, and 798 | \$15.00 | \$15.00 |
| Art, Design, and Museum Studies courses numbered 000-799 except: ART 360, 366, 374, 377, 381, 387, 388, 390, 399, 401, 407, 469, 471, 472, 474, 475, 476, 478, 479, 480, 483, 484, 485, 486, 487, 490, 491, 492, 494, 495, 496, 497, 598, 672, 675, 678, 680, 684, 685, 692, 698, 760, 783, 794, and 795 MST 495, 501 | \$25.00 | \$25.00 |
| THE and DAN Courses 000-799 except: THE 490, 491 and 493 | \$20.00 | \$20.00 |

College of Business

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|--|-------------------|-----------------------|
| Courses numbered 200-599 | \$40.00 | \$40.00 |
| Graduate-level courses; ACC and ITC courses numbered 601-799 BUS, ENT, FIN, LAW, MGT, MKT, QBA, RMI, TCM courses numbered 600-799 | \$45.00 | \$45.00 |

McQueary College of Health and Human Services

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|--|-------------------|-----------------------|
| Undergraduate-level courses 000-599 except KIN 135, 493, 496, 498 and all NUR courses | \$25.00 | \$25.00 |
| Graduate-level courses: ATC, BMS, OTE and PAS courses numbered 600-799 CSD courses numbered 600-999 DTN and PTE courses numbered 700-899 NUR courses numbered 700-999 | \$30.00 | \$30.00 |
| ANE courses numbered 700-899 | \$25.00 | \$25.00 |

College of Natural and Applied Sciences

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|----------------------|-------------------|-----------------------|
| | | |

| Course Level or Type | Missouri Resident | Non-Missouri Resident |
|---|-------------------|-----------------------|
| Undergraduate, lower-level courses; AST, BIO, CHM, CSC, GEO, GLG, GRY, HSP, MAT, MTH, PHY, PLN, and SCI Courses numbered 000-199 except MTH 101, MTH 103, and MTH 107 | \$15.00 | \$15.00 |
| Undergraduate, upper-level courses; AST, BIO, CHM, CSC, GEO, GLG, GRY, HSP, MAT, MTH, PHY, PLN, and SCI Courses numbered 200-599 except MTH 493, MTH 494, MTH 496, SCI 493, SCI 494, SCI 499 | \$30.00 | \$30.00 |

For comprehensive fee information, refer to the [2020-2021 Fee Schedule](#) ([./Assets/financialservices/2020-2021FeeResolution.pdf](#)), approved by the Board of Governors. All tuition and fees are subject to revision without notice.



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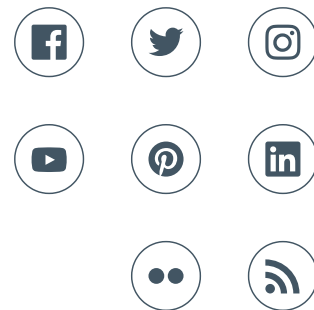
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<https://www.missouristate.edu/Registrar/detailed-tuition-and-fees.htm>

Missouri State

Graduate College

Graduate Catalog

Graduate Calendar

Fall 2020

| Date | Activity or Event |
|----------------|--|
| August 3-14 | Fall Intersession (Considered part of the fall semester for admission, registration, grading, and graduation purposes.) |
| August 10 | Graduate Student Orientation (optional for any new graduate student) |
| August 11 | Teaching Assistant Orientation (mandatory for students hired as Graduate Teaching Assistants) |
| August 17 | Classes Begin |
| August 21 | Deadline to Apply for Graduation (Students planning to complete their degree in December 2020) |
| September 7 | Labor Day Holiday (no classes and offices closed) |
| October 8-9 | Fall Holiday (no classes) |
| November 13 | 3MT - Three Minute Thesis competition |
| November 23 | Thesis deadline: Last day to submit approved thesis to the Graduate College |
| November 23 | Seminar deadline: Last day to submit acceptance sheet of approved research project to the Graduate College. (Does not apply to all programs. Check with program advisor to determine if form is needed.) |
| November 25-29 | Thanksgiving Holiday (no classes and offices closed) |
| December 3 | Last day of classes |
| December 3 | Deadline for submission of Comprehensive Examination results to the Graduate College |

| Date | Activity or Event |
|---------------|--|
| December 4 | Study Day (no classes) |
| December 5-10 | Final exams |
| December 11 | Commencement |
| January 15 | Final submission of all requirements for FA20 thesis |

Spring 2021

| Date | Activity or Event |
|-------------|--|
| January 4-8 | Winter Intersession (Considered part of the spring semester for admission, registration, grading, and graduation purposes.) |
| January 8 | Graduate Student Orientation (optional for any new graduate student) |
| January 11 | Classes Begin |
| January 15 | Deadline to Apply for Graduation (Students planning to complete their degree in May 2021) |
| January 18 | Martin Luther King, Jr. Holiday (no classes and offices closed) |
| February 15 | President's Day (no classes and offices closed) |
| March 13-21 | Spring Break (no classes) |
| April 1-4 | Spring Holiday (no classes - offices closed April 2) |
| April 26 | Thesis deadline: Last day to submit approved thesis to the Graduate College; Documentation of video tutorials is required. |
| April 26 | Seminar Report Form deadline: Last day to submit to the Graduate College. (Does not apply to all programs. Check with program advisor to determine if form is needed.) |
| May 1 | IDF – Frank Einhellig Interdisciplinary Forum |
| May 6 | Last day of classes |
| May 6 | Deadline for submission of Comprehensive Examination results to the Graduate College |
| May 7 | Study Day (no classes) |
| May 8-13 | Final exams |
| May 14 | Commencement |
| June 4 | Final submission of all requirements for SP21 thesis |

Summer 2021


| Date | Activity or Event |
|-----------------|--|
| May 17 - June 4 | Summer Intersession (Considered part of the summer session for admission, registration, grading, and graduation purposes.) |
| May 31 | Memorial Day Holiday (no intersession classes) |
| June 7 | Classes Begin |
| June 11 | Deadline to Apply for Graduation (Students planning to complete their degree in August 2021) |
| July 5 | Independence Day Holiday (no classes, offices closed) |
| July 19 | Thesis deadline: Last day to submit approved thesis to the Graduate College. Documentation of video tutorials is required. |
| July 19 | Seminar Report Form deadline: Last day to submit to the Graduate College. (Does not apply to all programs. Check with program advisor to determine if form is needed.) |
| July 28 | Deadline for submission of Comprehensive Examination results to the Graduate College |
| July 28 | Last day of classes |
| July 29-30 | Final exams |
| August 13 | Final submission of all requirements for SU21 thesis |




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<https://graduate.missouristate.edu/Catalog/graduate-calendar.htm>

Missouri State

Graduate College

Graduate Catalog

University Information and Accreditations

Learn more about the University

- [History of the University](#)
- [Mission Statement](#)
- [Declaration of University Community Principles](#)
- [Guide to Services](#)
- [Faculty and Administrative Staff](#) (as of October 12, 2020)

Governance

- Missouri State University is under the general control and management of the [Board of Governors](#), which according to statutes of the state of Missouri, possesses full power and authority to adopt all needful rules and regulations for the guidance and supervision of the University.
- The [President](#) is the chief executive officer of the University, responsible to the Board of Governors for the administration of institutional policies and operations.
- The [Administrative Council](#) includes the central administrators who work to develop and implement the goals and priorities of the University.
- The [Faculty Senate](#) is the representative body for the full-time faculty that provides a means of collective action of the faculty in dealing with matters of concern to the faculty, including matters of curriculum.
- The [Graduate Council](#) is part of the faculty governance process, acting on graduate-level curriculum matters, programs, general policies and appointments to the Graduate Faculty.

Centers for Research and Service

Research

Both basic and applied research are vital functions essential to the mission of the University. These activities further complement teaching by providing depth, breadth, and application to the learning process. The University believes that its research efforts must (1) contribute to the discovery, preservation and dissemination of new knowledge, (2) foster application and integration for problem solving and improvement of society, and (3) provide students with opportunities to develop an appreciation for research and to learn a research methodology consistent with their chosen area of specialization.

Financial support for research activities comes from institutional funds as well as gifts, grants, and contracts from private and public sponsors (see Office of Sponsored Research and Programs listed under University Services). The scope of research activities at Missouri State University encompasses individual faculty research, departmental research programs, the activities of the University's research centers, and the operations of the Research Campus at Mountain Grove. Graduate students have many opportunities for involvement in these areas.

Centers

Missouri State University has established focused research and service centers that provide part of the organizational structure for meeting the University mission. "Center" is a descriptor for formally recognized units, including institutes, bureaus and stations that function as an adjunct to the traditional University units (i.e., colleges and/ or academic departments). The support base for Centers is primarily from external sources, including grants, contracts, and fees (for services, workshops, conferences, etc.). These centers are active in multi-disciplinary research, education, training and service projects that serve both the University and external entities. Each year a number of graduate students are involved in the research and service projects that are conducted through Centers. A listing of Missouri State University Centers follows:

- Agriculture Research and Demonstration Center
- Bull Shoals Field Station
- Center for Archaeological Research
- Center for Community Engagement
- Center for Continuing and Professional Education
- Center for Dispute Resolution
- Center for Grapevine Biotechnology
- Center for Homeland Security
- Center for Project Innovation and Management Education (C-PRIME)
- Center for Resource Planning and Management
- Center for Scientific Research and Education
- Center for Social Science and Public Policy Research
- Community and Social Issues Institute
- Efactory
 - Management Development Institute
 - Small Business and Technology Development Center
- Jordan Valley Innovation Center
 - Center for Biomedical and Life Sciences
 - Center for Applied Science and Engineering
- Mid-America Viticulture & Enology Center
- Ozarks Environmental and Water Resources Institute
- Ozarks Public Health Institute
- Southwest Missouri Area Health Education Center

Public service

In order to serve the public, Missouri State University incorporates resources of knowledge, skills, and artistry into the mainstream of society. The role, therefore, of public service at the University is to make available the University's physical resources and human expertise for the purpose of meeting needs or solving problems of various public constituents.

The most important public service resources of the University are the diverse and specialized talents of the faculty, staff, and students. The scope of the public service program includes community education, research that informs the public on the natural environment and social issues, cultural and entertainment events, recreational activities, clinical and diagnostic services, conferences and institutes, public broadcasting services, professional development clinics and seminars, summer workshops and camps, and faculty/staff consulting activities.

A number of the University Centers contribute extensively to the public, as well as the research efforts of the University. For example, the Institute for School Improvement provides a broad range of services to school districts of the region. Similarly, the Center for Resource Planning and Management regularly assists municipalities and counties in moving toward solutions to various problems. The mission of the Community and Social Issues Institute is to serve as a catalyst to organize and apply the research and service capacity of the University to assist public and private organizations in addressing social issues of the community. The Center for Dispute Resolution provides its expertise to agencies and many local organizations. These are representative of the many public service areas of the university.

Accreditations and memberships

The University is accredited to offer graduate degrees by The Higher Learning Commission, a commission of the North Central Association of Colleges and Schools.

Institutional accreditation

The Springfield and West Plains campuses of Missouri State University are separately accredited by the Higher Learning Commission of the North Central Association of Colleges and Secondary Schools - a nationally recognized regional accrediting organization. Institutional accreditation has been continuously maintained since 1915 with the most recent approval occurring in 2015-2016 and resulting in full accreditation for the maximum allowable ten-year period. Accreditation of an institution by the Higher Learning Commission indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation. Accreditation by the Higher Learning Association is not partial; it applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to the students who attend the institution.

The Statement of Affiliation Status and the Organizational Profile for Missouri State University can be found at www.ncahigherlearningcommission.org (<http://www.ncahigherlearningcommission.org>).

Accreditations - Graduate

Specific graduate programs are professionally accredited by the following organizations:

- Academy of Nutrition and Dietetics - Accreditation Council for Higher Education in Nutrition and Dietetics: Dietetic Internship Certificate
- Accreditation Council for Occupational Therapy Education (ACOTE): Master of Occupational Therapy
- Accreditation Review Commission on Education for the Physician Assistant (ARC-PA): Master of Science, Physician Assistant Studies
- AACSB International - The Association to Advance Collegiate Schools of Business: Master of Accountancy; Master of Business Administration; Master of Health Administration; Master of Science, Computer Information Systems; Master of Science, Cybersecurity
- American Physical Therapy Association - Commission on Accreditation in Physical Therapy Education (CAPTE): Doctor of Physical Therapy
- Commission on Accreditation of Athletic Training Education: Master of Athletic Training
- Commission on Collegiate Nursing Education (CCNE): Master of Science in Nursing, Doctor of Nurse Practice
- Council for Accreditation of Counseling and Related Educational Programs: Master of Science, Counseling
- Council for the Accreditation of Educator Preparation (CAEP): Master of Science in Education, Educational Administration, Elementary Education, Educational Technology, Reading, Secondary Education, Special Education; Master of Science, Counseling; Specialist in Education, Educational Administration (formerly NCATE)
- Council of Applied Masters Programs in Psychology: Master of Science, Psychology, Industrial/Organizational
- Council on Academic Accreditation in Audiology with American Speech-Language-Hearing Pathology: Doctor of Audiology; Master of Science, Communication Sciences and Disorders, Speech-Language Pathology
- Council on Accreditation of Nurse Anesthesia Educational Programs: Doctorate of Nurse Anesthesia Practice; Master of Science, Nurse Anesthesia
- Council on Education for Public Health (CEPH): Master of Public Health
- Council on Education of the Deaf: Master of Science, Communication Sciences and Disorders, Education of the Deaf and Hard of Hearing
- Council on Social Work Education - Commission on Accreditation: Master of Social Work
- National Association of Schools of Music (NASM): Master of Music
- Network of Schools of Public Policy, Affairs, and Administration (NASPAA)- Commission on Peer Review and Accreditation: Master of Public Administration
- Project Management Institute: Global Accreditation Center for Project Management Education Programs: Master of Science, Project Management





Memberships

Missouri State University is a member institution of the Council of Graduate Schools in the United States and the Midwestern Association of Graduate Schools.



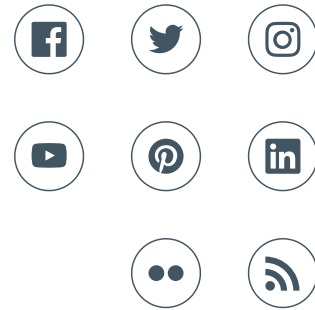


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<https://graduate.missouristate.edu/Catalog/accreditation.htm>

Missouri State

Graduate College

Graduate Catalog

Graduate College

Graduate College

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Mission

The Graduate College mission is to be an advocate for graduate education and provide quality service to graduate programs, faculty, and students with the goal of developing individuals who have advanced abilities to address issues of significance for the quality of life.

Role and Scope

The Graduate College acts to assure that postbaccalaureate education at Missouri State University has a high level of academic quality so that students are motivated and educated to be independent leaders in their

professions and communities. To this end, the Graduate College fosters an instructional environment that enables excellence in teaching, research and creative activities, and encourages involvement with the community at large. These activities are central to a robust graduate education climate.

The Graduate College coordinates a diverse group of graduate programs that have in common the challenge to aid student progress toward a maturity of thought and discipline-related capabilities. The College functions to support both existing programs and the development of new programs in those disciplines congruent with the University themes and where the university has the vision and capacity to serve the needs of the public.

In fulfilling its mission, the Graduate College works in partnership with the seven Missouri State University colleges. Within each college there are academic departments that offer graduate programs and have graduate faculty. The graduate faculty are committed to research, teaching, and service at the graduate level; they affirm the values of teaching and mentoring graduate students in the practice of their disciplines. A major aim of graduate education is to develop the resourcefulness and responsibility of individuals by enhancing their ability to handle effectively the materials and affairs of life, and to judge critically the value and limitation of information.

The Graduate College assists students in making the best use of the university's resources, in utilizing resources to engage in research and applying knowledge to the solution of problems, and in developing an environment in which critical thinking and problem-solving behaviors are nurtured.

Graduate Council

The Graduate Council is the faculty governance structure that recommends policies governing graduate study to the Dean of the Graduate College. Each department offering a graduate program has one faculty representative on the Graduate Council. Each interdisciplinary program also has a representative on the Council. The Graduate Council acts on curriculum matters, new programs, general policies and appointments to the Graduate Faculty. The Graduate Council is proactive in representing the needs of graduate education and proposing strategies to allow the Graduate College to fulfill its mission.

Graduate Faculty

Appointment to the Graduate Faculty is required for persons to teach courses open only to graduate students and to guide graduate students as advisors or as members of graduate advisory committees. Faculty members holding an earned terminal degree, with recognized competence in an area of specialization appropriate to graduate study, and meet the approved departmental criteria, may be approved as members of the Graduate Faculty. Normally, the Graduate Faculty is composed of individuals with the academic rank of Assistant Professor or higher in departments that offer graduate degree programs or supporting graduate courses. A limited number of faculty members without earned terminal degrees, but who are widely recognized as leaders in their academic disciplines, may become members of the Graduate Faculty. Faculty who are not full time employees of Missouri State University can become members of the Graduate Faculty through the same process, after being appointed as an Adjunct Faculty member through the Office of Human Resources. Refer to the [Graduate Faculty Appointment \(/FacultyStaff/FacultyAppointment.htm\)](#) web site for recommendation forms to initiate the process for Appointment to Graduate Faculty.

Graduate Student Senate

The purposes of the Graduate Student Council are to enhance communication among graduate students, to be a liaison between students and the Graduate Council, and to promote the general interests of graduate students.

Meetings are open to all currently enrolled graduate students in good standing at Missouri State University. The president of the Graduate Student Council (or designee) is a representative on the Graduate Council and is responsible for conveying the ideas, requests, questions and proposed policies from/to the Graduate Student Council. The Graduate Student Council provides a representative to the Faculty Senate, two representatives to the Senate of the Student Government Association, and makes appointments to several other committees. In addition, they sponsor several awards for graduate assistants and graduate mentors.

Frank Einhellig Graduate Interdisciplinary Forum. Annually, in the spring semester, the Graduate Student Senate, in conjunction with the Graduate College, co-hosts the Frank Einhellig Graduate Interdisciplinary Forum (IDF). This public affairs event allows graduate students to give oral and poster presentations of their research and creative projects. This forum is a tremendous educational experience for graduate students; participation is voluntary. Approximately 200 students present each year. For complete information on the IDF, see graduate.missouristate.edu (under Interdisciplinary Forum).

Additional information about the Graduate Student Council and the IDF may be obtained online at graduate.missouristate.edu (under New and Current Students).

Graduate Procedures and Policy

Admission to Graduate Study

Contact for graduate admission information:

Graduate Admissions

Missouri State University

Carrington Hall, Room 419

901 S. National Avenue

Springfield, MO 65897

Telephone: 417-836-5331

Fax: 417-836-6200

Email: GraduateAdmissions@MissouriState.edu (<mailto:GraduateAdmissions@MissouriState.edu>)

Admissions decisions are made by each graduate program, based on its admissions requirements, selection criteria, program capacity, and the quantity and quality of the applicant pool. Meeting the minimum admission criteria does not guarantee admission. When discriminatory, unfair, or unethical behavior is alleged, the admission decision can be appealed to the Head of the Department in which the graduate program is offered, and if unsuccessful, to the Dean of the Graduate College.

The university reserves the right to suspend or reverse an admission decision in the event that an applicant is charged or convicted with a crime or ethics violation prior to becoming a "student" (which occurs upon the first day of class attended), or the application package becomes suspect or incomplete (eg., letter of reference withdrawn, application document falsified, job history fabricated, etc.). The decision to suspend or reverse an admission decision is left to the discretion of the graduate program. This decision can be appealed to the Head of the Department in which the graduate program is offered, and if unsuccessful, to the Dean of the Graduate College.

Admission Procedures (beginning August 27, 2018)

All graduate applications to MSU are collected through a centralized application service (CAS). Admission requirements and program deadlines are included in each CAS application. Applicants need to provide program-

required materials, submit official transcripts showing coursework for the bachelor's degree and any graduate-level work, and pay the application fee through the CAS. Required materials and fees vary by program and by CAS.

The chart below indicates the CAS to which students should apply based on desired program.

| Program | CAS |
|---|---------------|
| Doctor of Audiology | CSDCAS |
| Doctor of Nursing Practice | NursingCAS |
| Doctor of Physical Therapy | PTCAS |
| Master of Athletic Training | ATCAS |
| Master of Science in Nursing | NursingCAS |
| Master of Occupational Therapy | OTCAS |
| Master of Science in Nutrition and Dietetics | DICAS |
| Master of Science in Physician Assistant Studies | CASPA |
| Master of Science in Communication Sciences and Disorders/Speech-Language Pathology | CSDCAS |
| Master of Social Work | SocialWorkCAS |
| Dietetics Internship Graduate Certificate | DICAS |
| Post-Master's Nurse Educator Graduate Certificate | NursingCAS |
| All other MSU graduate programs | GradCAS |

Masters and Specialist Admission Requirements

[Op5.01-4 Graduate Students Admission Policy](https://www.missouristate.edu/Policy/Op5_01_4_GraduateStudentAdmission.htm)

(https://www.missouristate.edu/Policy/Op5_01_4_GraduateStudentAdmission.htm)

The Graduate Council sets the minimum standards for full admission to graduate study. Additional requirements and higher standards may be stipulated for specific graduate programs, and applicants should check for such requirements in the departmental section of this catalog. The minimum requirements for graduate admission are:

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University, AND a cumulative grade point average of at least 2.75 on a 4.00 scale; OR at least a 2.75 grade point average on a 4.00 scale for the last 60 hours of academic course work; OR at least a 2.75 grade point average on a minimum of 9 hours of graduate credits; OR have a combined score of 290 (875 under the old scoring system before August 1, 2011) on the verbal and quantitative sections of the Graduate Record Examination; OR

2. A bachelor's degree from a college or university NOT accredited by an agency recognized by Missouri State University, a cumulative grade point average of at least 2.75 on a 4.00 scale; OR at least a 2.75 grade point average on a 4.00 scale for the last 60 hours of academic course work, AND a combined score of 290 (875 under the old scoring system before August 1, 2011) on the verbal and quantitative sections of the Graduate Record Examination; OR
3. A bachelor's degree from a college or university recognized by Missouri State University, AND recommendation in writing by both the department head of the student's desired major area and the dean of the college in which that discipline is located, and the approval of the Dean of the Graduate College.

Doctoral Admission Requirements

The standards for admission to a doctoral program are more stringent than for a master's program, in accordance with the higher demands of the degree. The admission standards for a particular program may be even higher than the following university-wide standards, and a program may have additional requirements. Therefore, applicants must review the section in this catalog that pertains to their particular doctoral program of interest, and contact the department for admissions criteria. As a minimum, applicants for a doctoral program must meet the following. Meeting the minimum admission criteria does not guarantee admission.

1. A minimum GPA of 3.00, either cumulative or for the last 60 credits of that degree.
2. Submission of a standardized test score may be required. Check individual program requirements.

Accelerated Masters Admission

Undergraduate students who apply for an accelerated master's degree **must** submit their application for the semester after which he/she will receive a bachelor's degree.

| Bachelor's Degree Graduation Semester | Accelerated Master's Degree Application Semester |
|---------------------------------------|--|
| Spring 2021 | Summer 2021 or Fall 2021 |
| Summer 2021 | Fall 2021 |
| Fall 2021 | Spring 2022 |
| Spring 2022 | Summer 2022 or Fall 2022 |

If admitted to an accelerated master's degree program and your bachelor's degree graduation semester should change, please notify the Graduate Admissions (GraduateAdmissions@MissouriState.edu) as soon as possible so that your information may be updated.

Readmission Requirements

The procedure for readmission of a graduate student who has not maintained continuous enrollment (summer excluded) is based on the period of absence:

Applied and/or accepted, but never attended or completed a class as a degree-seeking graduate student.

- If the time period has been less than one (1) year, students may send an email to Graduate Admissions (GraduateAdmissions@MissouriState.edu) requesting his/her graduate application and/or admission semester be changed.

- Program exceptions are: Communication Sciences and Disorders, Counseling, Nurse Anesthesia, Nursing, Physical Therapy, Physician Assistant Studies, Psychology, and Social Work. Contact the appropriate program director for more information
- If the time period has been more than one (1) year, students will need to submit a new graduate application.

Previously attended and completed a graduate class as a degree-seeking graduate student.

- Complete a new graduate application.

Former Missouri State University graduate degree recipients.

- Students returning to take additional graduate classes and are not seeking an additional degree may be readmitted under the nondegree-seeking student classification. Contact Missouri State Outreach at 417-836-4126 or by email at Outreach@MissouriState.edu for information regarding this process.
- Students who wish to pursue an additional graduate degree will need to complete new graduate application and provide any additional materials which are needed by the department/program.

NOTE: Any graduate student who wishes to pursue a second undergraduate degree at Missouri State University should contact the Office of Admissions (Undergraduate) at 417-836-5517 or Admissions@MissouriState.edu (<mailto:Admissions@MissouriState.edu>).

International Student Admission

[Op5.09-2 International Graduate Students](#)

(https://www.missouristate.edu/Policy/Op5_09_2_InternationalGraduateStudents.htm)

Graduate Admission Requirements

Missouri State encourages applicants from around the world. To apply for admission, please follow these required steps:

1. The International Student Application and Fee

If you believe you are able to meet all requirements, we invite you to complete and return the "[International Student Application](#)" with the \$55 USD application fee (non-refundable). We must receive the application and fee before we can begin processing.

2. Academic Requirements

You must have completed a U.S. bachelor's degree or its equivalent from a recognized institution, with a 2.75 (U.S. scale) grade point average for the last 60 credit hours. Please refer to the [Graduate Catalog](#) for admission requirements for each individual graduate program. Official proof of any degree, diploma, certificate and/or transcript must be submitted for your file in the original language and a translated copy. **If you have completed less than one year of study at a post-secondary institution, regardless of location or length of time attended, you must request these records as well. You must request official documents from each school you have attended. Official documents:** To qualify as official, documents must be sent to the Missouri State Office of International Services directly from the issuing institution. Official copies of all documents must arrive before you file can be forwarded to the Office of Graduate Studies for admission consideration.

3. Proof of English Proficiency

Proof of your proficiency in English is required if your primary language is not English. Persons who have completed one or more years of university level study in the U.S. may be exempt at the discretion of the International Services Office. Proof can be provided in two ways:

a. **The Test of English as a Foreign Language (TOEFL)***

The TOEFL score minimum requirement is 79 or more for graduate applicants. You must request that original copies of these scores be sent to Missouri State directly from the Educational Testing Service. If you have a computer-based score, check here to see the equivalent paper based score: [TOEFL Concordance Tables](#)

b. **Graduate Study**

Students applying for graduate study (including those who have completed an undergraduate degree but do not yet meet the English requirements for graduate admission), should request an application to the [Missouri State English Language Institute](#).

Graduate Students

| Test | Minimum Score |
|--|-------------------------------------|
| TOEFL-iBT (Internet-based test) | Score of 79 or more |
| IELTS | Score of 6.0 or more |
| Missouri State English Language Institute (ELI) program | Completion of EAP Graduate Capstone |

4. Graduate Required Tests

Tests Applicants to the Master of Business Administration and the Master of Accountancy programs must take the "Graduate Management Admission Test" ([GMAT](#))*. Some graduate programs require the "Graduate Record Examination" ([GRE](#))*. Scores for the appropriate test must be on file prior to admission.

*Information and registration forms for the tests are also available at many U.S. Embassies and Consulates, offices of the U.S. Information Agency, and offices of international education organizations, such as the Institute of International Education (IIE), the African-American Institute (AAI), and the American-Mideast Educational and Training Services (AMIDEAST).

5. U.S. Transfer Recommendation Form

You must complete the transfer recommendation form if you are currently in the U.S. as an international student and are planning to continue your education at Missouri State. You must submit the transfer recommendation form to your current international student advisor who will mail or fax it to Missouri State International Services office. We cannot complete the I-20 Form until it is received. Be sure to sign the transfer form before submitting it to your current international student advisor.

Download: [U.S. Transfer Recommendation Form](#) (/Assets/internationalservices/Transfer_In_Form.pdf)

*To register for the TOEFL or GRE see: www.ets.org (<https://www.ets.org/>)

To register for the GMAT see: www.mba.com/mba/TaketheGMAT (<https://www.mba.com/mba/TaketheGMAT>)

Graduate Classifications

Degree-Seeking

Students who wish to enroll in graduate-level courses to pursue a specific graduate degree at Missouri State University. Students seeking admission under this classification can contact the Graduate College at 417-836-5331 or [apply online](https://www.missouristate.edu/FutureStudents/apply-now.htm) (<https://www.missouristate.edu/FutureStudents/apply-now.htm>).

Nondegree-Seeking (Unclassified)

Students who meet the general Graduate College requirements but are undecided on a specific degree or who wish to take courses for graduate credit are eligible for admission as a nondegree-seeking student.

Under this classification, students may register for courses for which they meet the prerequisite. They are not candidates for a degree and this classification does not offer assurance of future admission to a degree program. Generally, students in this classification are not eligible for financial aid. Graduate courses (600-level and above) taken as a nondegree-seeking student or a postbaccalaureate student will be counted in the student's graduate GPA. Graduate courses taken as a nondegree-seeking graduate student may be used toward a graduate degree if later admitted, but this use is limited to 30% of the required hours in this degree. Any C+ grade or below may jeopardize a student's ability to enter into a degree program. Students seeking admission under this classification can contact the Graduate College at 417-836-5331 or [apply online](https://www.missouristate.edu/FutureStudents/apply-now.htm) (<https://www.missouristate.edu/FutureStudents/apply-now.htm>).

NOTE: A student may request a change from nondegree-seeking to a degree-seeking basis, or a change from one academic program to a different academic area of study. In these cases, acceptance into the program requested is based on the review and recommendation of the department. A new graduate application must be completed indicating the new planned program of study - [apply online](https://www.missouristate.edu/FutureStudents/apply-now.htm) (<https://www.missouristate.edu/FutureStudents/apply-now.htm>).

Postbaccalaureate

Students admitted into the postbaccalaureate classification have not been admitted to the Graduate College; they have only been given permission to enroll for graduate-level courses to earn graduate credit. A postbaccalaureate student is not required to furnish the application fee or transcripts and there is no minimum grade point average for admission. Enrollment as a postbaccalaureate student does not guarantee future admission into a specific degree program.

Postbaccalaureate students may take either undergraduate or graduate courses. Graduate courses taken as a nondegree-seeking graduate student (postbaccalaureate or graduate-undecided status) may be used toward a graduate degree if later admitted, but this use is limited to 30% of the required hours in the degree. Graduate courses (600-level and above) taken as a postbaccalaureate student will be counted in the student's overall graduate GPA. Any C+ grade or below may jeopardize the ability to enter into a degree program.

Students under this classification have completed a bachelor's degree and are graduate students. They are therefore governed by all Graduate College policies. Post-baccalaureate students must make satisfactory progress in graduate courses and any student receiving more than 9 hours of "C+" grade or below will not be allowed to enroll in further classes.

Generally, students in the postbaccalaureate classification are not eligible for financial aid. Students who first register in the postbaccalaureate classification and later initiate the process to change to a degree program will be required to submit the Graduate Admission Application along with the application fee and necessary transcripts. The application will be reviewed by the Graduate College and the director of the degree program to which the student applied and the student will be notified of the decision.

Individuals interested in admission as a postbaccalaureate student should contact [Missouri State Outreach: Continuing and Distance Education](https://outreach.missouristate.edu/) (<https://outreach.missouristate.edu/>) at 417-836-4126 or toll free 877-678-2005.

Post-Master's

Students who have received a master's or higher graduate degree and wish to continue taking course work for graduate credit without pursuing another graduate degree. In this category, students should apply through the Extended Campus office or the Graduate College.

General degree requirements

By the end of the first week of the semester a student plans to graduate they must complete the online Graduate Application to Graduate located under the Student tab, My Graduate College channel, in [My Missouri State](https://my.missouristate.edu/) (<https://my.missouristate.edu/>).

Op3.19-1 Master's and Specialist Degree Requirements

(https://www.missouristate.edu/Policy/Op3_19_1_MastersSpecialistRequirements.htm)

To complete a master's or specialist degree, a candidate must:

1. Complete the minimum number of credit hours required for the graduate program. Keep in mind that courses taken for undergraduate credit may not be used for a master's or specialist degree;
2. Complete at least one-half of the minimum semester hours in courses numbered 700 or higher, which signifies that there are no undergraduate parallel courses associated with them. Graduate courses provide a graduate-level experience, and differ from undergraduate courses in the expectations/requirements;
3. No more than 49% of the required semester hours may be fulfilled by combining senior permission (up to 12 hours), courses taken prior to admission to the program (up to 30%), transfer (up to 30%), and assessment of prior learning;
4. Attain a grade point average of at least 3.0 on all graduate work utilized in the degree program that includes Missouri State University and transfer courses;
5. Satisfy a research requirement;
6. Pass a comprehensive examination. (Not all programs require a comprehensive examination so see specific program requirements);
7. Meet all additional program-specific degree requirements; and
8. Complete all requirements within an eight-year period (exclusive of time spent in the U.S. Armed Forces).

Op3.19-2 Doctoral Degree Requirements (https://www.missouristate.edu/Policy/Op3_19_2_DoctoralRequirements.htm)

The completion of a doctoral program indicates the attainment of the highest possible training and intellectual development in one's discipline. As such, the rigor of a doctoral degree program is necessarily higher than that of a master's degree program and is set above the level that an average student would generally be able to attain. Because the requirements for completion of a doctoral degree are discipline-specific, and often linked to national accreditation standards, some programs may have higher/additional requirements. Nonetheless, minimal university-wide standards include:

1. All students must complete the stated courses and minimum number of required credit hours for the program. Keep in mind that courses taken for undergraduate credit may not be used for a doctoral degree.
2. Complete at least one-half of the minimum semester hours in courses with no undergraduate parallel course.
3. No more than 49% of the required semester hours may be fulfilled by combining senior permission (up to 12 hours), courses taken prior to admission to the program (up to 30%), transfer (up to 30%), and assessment of prior learning.

4. Attain a grade point average of at least 3.0 on all graduate work utilized in the degree program that includes Missouri State University and transfer courses.
5. All students must complete a doctoral research project or a doctoral thesis.
 - a. A doctoral research project must be overseen by a committee that consists of at least three (3) members. The Director must be a faculty member from the discipline (usually the Department) and hold Graduate status (may be Research or Professional), and the other members must have expertise in the area of project focus.
 - b. A doctoral thesis must be overseen by a committee that consists of four (4) members. The Chair (Director) of the doctoral thesis committee must hold Graduate Research Faculty Status. Two members of the committee must hold Graduate faculty status (may be Research or Professional). The fourth committee member must come from outside the department and have expertise in the area of research focus.
6. Presentation of the research results (thesis or project) at a forum approved by the department.
7. Satisfactory completion of a comprehensive exam, as specified by the department.
8. Students must complete all degree requirements within an eight-year period (excluding time spent in the United States Armed Forces).
9. Students must meet all program-specific degree requirements (including research, practicum, comprehensive examination, etc.).

Op3.19-3 Advisement (https://www.missouristate.edu/Policy/Op3_19_3_Advisement.htm)

Graduate students are assigned an advisor at the time of admission. In some cases, the graduate advisor will be changed once a student is fully matriculated into the program. This occurs most often when a research topic is chosen and it is appropriate for a different faculty member to direct that project. The role of the graduate advisor is to:

1. Assist the student in the selection of course work for his/her graduate program;
2. Evaluate transfer credits as acceptable for meeting requirements;
3. Recommend acceptance or rejection of all graduate course work toward the program of study as shown in the student's degree audit; and
4. Advise and assist the student -in completion of all Missouri State University and departmental requirements for degree.

It is extremely important that students have early contact with their advisor and gain advisor approval before registering for classes. The advisor is a key person in helping individuals plan their graduate program, ensuring that classes fit the program, planning an appropriate class sequence, and providing other input that ensures a student is successful in their graduate program. All degree-seeking students must have the advisor complete an electronic release prior to registering via the web, in person, or by fax or mail registration.

Op3.19-4 Degree Audit (https://www.missouristate.edu/Policy/Op3_19_4_DegreeAudit.htm)

The student's degree audit is used to show requirements necessary to complete for a degree or graduate certificate program. A student can view the audit the first day of classes of the semester after admission into a graduate program.

1. It is essential that students meet with their advisor before registering for courses each semester.
2. Grades of "C-" and below will not be applied to a student's degree audit.

3. For master's, specialist and doctorate programs, at least one-half of the minimum semester hours must be in courses with no undergraduate parallel course (i.e., courses at the 700 level or higher).
4. Undergraduate courses may not be used on a student's degree audit for a master's, specialist, doctoral degree or graduate certificate program.

[Op3.19-5 Research Requirement \(https://www.missouristate.edu/Policy/Op3_19_5_ResearchRequirement.htm\)](https://www.missouristate.edu/Policy/Op3_19_5_ResearchRequirement.htm)

Most of the Missouri State University master's programs provide for either a Thesis, Seminar/Degree Paper Option, or Internship Option as the research component to be completed in partial fulfillment of the degree requirements. Refer to specific departmental regulations in this catalog regarding their research requirements.

Thesis option

A maximum of 6 hours of thesis credit shall be applied toward the minimum hours required for a master's degree. Guidelines explaining the requirements for the preparation of a thesis are available in the Graduate College or online at graduate.missouristate.edu (under Current Student Resources). Registration in a course number 799 and title designated "thesis" is limited to students pursuing completion of a thesis. A thesis is supervised by the student's advisory committee, which consists of three to five persons. A minimum of three, including the chair of the committee, must be members of the Missouri State University Graduate Faculty. The thesis shall be approved by the committee and by the Graduate College before the degree is granted.

Seminar/degree paper option

This option requires the completion of an extensive seminar/degree paper or creative work. The advisor for the degree paper must approve the final research paper. In some cases, evidence of fulfillment of the research requirement is shown through the successful completion of a certain course. In other instances, evidence requires the advisor to complete a Seminar Report form that is approved by the Graduate College. Students should check with their academic department to determine if this form is required. Departments may or may not require an advisory committee for students electing the seminar/degree paper option for meeting the research requirement.

Internship option

A maximum of 6 hours of internship credit can be applied toward the minimum hours required for a master's degree. Guidelines explaining the requirements for the completion of an Internship will be outlined by the department. An Internship receives prior approval, and is supervised by a MSU graduate faculty member and the internship site supervisor.

Research compliance requirements

Missouri State University requires that all research involving human subjects in any way, regardless of the source of support funds, must be reviewed by the Protection of Human Subjects Institutional Review Board (IRB) before it is undertaken. Applicants are required to complete online training before engaging in projects involving human participants. The Privacy Rule of the Human Insurance Portability and Accountability Act (HIPAA) contains additional requirements for anyone conducting human participant research that involves protected health information; online training is available on HIPAA for researchers. Research involving recombinant DNA techniques and other biohazards (e.g., infectious or venomous agents) must be reviewed by the Institutional

Biosafety Committee (IBC). The IBC reviews the proposed research and consults with researchers on biosafety procedures; trains faculty, staff, and students involved in biohazardous research to obtain compliance with appropriate rules; and does surveillance of laboratory accidents involving biohazardous agents. The U.S. Public Health Service (PHS) Policy on Humane Care and Use of Laboratory Animals requires institutions to establish and maintain proper measures to ensure the appropriate care and use of all animals involved in research, research training, and biological testing activities conducted or supported by the PHS. In accordance with this policy, the University requires that all projects proposing to use live vertebrate animals be reviewed and approved by the Institutional Animal Care and Use Committee (IACUC). Participation in animal care and use training is required for anyone involved in using animals in research or teaching. Students, faculty, and staff who work with animals in educational and research activities are required to enroll in the Animal Occupational Health and Safety Program. This includes those who handle or are exposed to animal tissues, fluids, secretions and/or excretions, as well as those who handle cages and other equipment potentially exposed to animal tissues or excretions.

Graduate College

Complete information on training and documentation requirements can be found online through the [Office of Research Administration](https://ora.missouristate.edu/) (<https://ora.missouristate.edu/>). All required training and documentation must be done prior to initiating research. No research will be accepted by the Graduate College if these requirements are not met.

[Op3.19-6 Comprehensive Examination](https://www.missouristate.edu/Policy/Op3_19_6_ComprehensiveExam.htm) (https://www.missouristate.edu/Policy/Op3_19_6_ComprehensiveExam.htm).

The Comprehensive Exam

All graduate degrees are required to conduct a culminating assessment of student learning. Some graduate programs do this in the context of a capstone course, and others require that students pass a comprehensive examination in order to be awarded a degree. Comprehensive examinations vary in format and structure, as well as the times they are administered. In order to facilitate successful performance on their comprehensive examination, graduate programs must:

1. provide adequate information regarding format and content of the examination and the time(s) it will be offered in order to promote optimal preparation;
2. validate evaluation or scoring procedures;
3. provide detailed feedback if the examination is not initially passed, including specific examples of unacceptable performance and offer additional support and in an effort to assist the student in meeting expected levels of performance;
4. give at least one opportunity to re-attempt the examination if not initially passed within a reasonable timeline and specify the maximum number of repeat attempts allowed before recommending dismissal.

The department must forward results of the comprehensive examination to the Graduate College no later than the last day of class in a semester. These results will be entered into the University system (Banner) and will be reflected in the student's degree audit.

Program Dismissal Due to Failed Comprehensive Examination

If a student does not pass the program's comprehensive examination after all re-attempts have been exhausted:

1. The student will be notified in writing that s/he is being dismissed from the program at the end of the current semester due to a failure to pass the comprehensive examination. Notification of dismissal should occur as soon as possible. Either the faculty or the student may request a meeting to discuss the dismissal decision and notification.
2. The student may appeal his/her dismissal to the Dean of the College within five (5) business days of receiving notification of such dismissal.
3. The student may appeal a decision to uphold the dismissal by the Dean of the College to the Dean of the Graduate College and the Office of the Provost within five (5) business days of receiving notification of the Dean of the College's decision.
4. A decision to uphold the dismissal by the Dean of the Graduate College and the Office of the Provost may be appealed to the President of the University within five (5) business days of receiving notification of the Dean of the Graduate College/Office of the Provost's decision. The decision of the President is final.

[Op3.19-7 Graduate Transfer Credit \(https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm\)](https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm)

On a case-by-case basis, Missouri State may accept graduate credit earned at other regionally accredited institutions or well-established international institutions. Acceptance of transfer credits on a graduate degree program occurs through recommendation of the student's major advisor and approval of the Graduate College. Transfer hours may count for up to 30% of the required hours for a degree. The policy on transfer credit also applies to students who are currently enrolled in, but have not completed, a graduate degree program at another institution. As with all credits applied toward a graduate degree, transfer credits must have been earned within the eight-year time limit for a degree program. Grades on transfer courses accepted in the degree program are included in the overall graduate grade point average.

Collaborative Agreements

The limitation on transfer credit may be superseded when the university develops a collaborative agreement with another institution for delivery of an academic program. In cases where Missouri State University shares program responsibility with another institution, both institutions may teach courses that might be applied to a degree program. For more information on a specific program, see the appropriate section of the catalog.

[Op3.19-8 Second Master's Degree \(https://www.missouristate.edu/Policy/Op3_19_8_SecondMasters.htm\)](https://www.missouristate.edu/Policy/Op3_19_8_SecondMasters.htm)

A student who has been awarded a master's degree at Missouri State University or at another accredited institution may be approved to transfer up to 30% of the total hours required for the second degree at Missouri State University. All courses must be approved by the advisor. This same policy applies to a student who is admitted to and working on two degree programs at Missouri State University at the same time. All courses must be approved by the advisor. Anyone working on an advanced degree at another institution, but who has not completed the degree, may be approved to transfer up to 30% of the total hours required for the Missouri State University program of study. (See [Transfer Credit \(https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm\)](https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm)).

[Op3.19-9 Grade Requirements for Degree \(https://www.missouristate.edu/Policy/Op3_19_9_GradeRequirements.htm\)](https://www.missouristate.edu/Policy/Op3_19_9_GradeRequirements.htm)

No course with a grade "C-" or below may be applied toward a graduate degree or graduate certificate. A graduate student becomes ineligible to continue in the current graduate program if more than 9 semester hours of "C+" or lower are earned in graduate courses taken in the degree program, or if the student does not meet any additional specific degree retention requirements imposed by a department or program.

Op3.19-10 Graduation (https://www.missouristate.edu/Policy/Op3_19_10_Graduation.htm)

The **deadline** for the Application for Graduation is **the first week of the semester** in which the student plans to graduate. A student is advised, however, to apply in advance of the semester that they intend to graduate.

1. Complete the online Graduate Application to Graduate located through *My Missouri State*.
2. Students should work closely with the advisor to ensure that all of the degree requirements are met.
3. Students who have completed all course work and are only working on their research component may sign up for **GEN 798 (Active in Research)**. This zero credit course offered at a reduced fee (\$75) allows the following:
 - access to the library, including online services such as interlibrary loans, MOBIUS, and restricted access databases;
 - opportunity to purchase a parking permit; and
 - access to computer services and campus email.

GEN 798 is graded as "P" (pass) or "N" (if the student discontinues participation and is dropped from the course).

Credit by Assessment (CBA)

Graduate programs may offer academic credit for existing courses to students who successfully pass a valid assessment for each course. Departments must develop an effective method for ensuring that a student possesses knowledge and skills associated with each course that has a CBA option. The assessments must be administered and scored by departmental faculty, and the outcome must be based on the student's performance on the assessment rather than completion of any specific extra-institutional activities.

Graduate certificate programs

Refer to the [Graduate Certificate Programs website \(/FutureStudents/certificates.htm\)](#) for admission requirements and procedures.

Special Academic Opportunities

Accelerated Masters

The Accelerated Masters degree option provides a transition that enables outstanding Missouri State University undergraduate students to begin taking graduate course work in their junior or senior year and thus combine components of the undergraduate and graduate curriculum.

Students must apply and be admitted to the accelerated masters program by the department and the Graduate College before enrolling for any courses to apply to the graduate degree. Graduate programs at Missouri State University offering an accelerated option are listed:

- Accounting (MACC)
- Agriculture (MS)
- Applied Behavior Analysis (MS)
- Applied Second Language Acquisition (MASLA)
- Audiology (AuD)
- Biology (MS)

- Business Administration (MBA)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Child Life Studies (MS)
- Communication (MA)
- Communication Sciences and Disorders, Education of the Deaf & Hard of Hearing (MS)
- Computer Science (MS)
- Criminology and Criminal Justice (MS)
- Cybersecurity (MS)
- Early Childhood and Family Development (MS)
- Early Childhood Special Education (MSEd)
- Educational Technology (MSEd)
- Elementary Education (MSEd)
- Geography and Geology (MS)
- Global Studies (MGS)
- Health Administration (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Information Technology (MS)
- Interdisciplinary Studies (MS)
- Literacy (MSEd)
- Material Science (MS)
- Mathematics (MS)
- Natural and Applied Science (MNAS)
- Plant Science (MS)
- Professional Studies (MPS)
- Project Management (MS)
- Public Administration (MPA)
- Public Health (MPH)
- Religious Studies (MA)
- Science Content Graduate Certificate (GRCT)
- Secondary Education - English, Family & Consumer Sciences, History, and Mathematics areas of emphasis only (MSEd)
- Special Education. Autism Spectrum Disorder Emphasis (MSEd)
- Writing (MA) - Technical/Professional Writing track only

Depending on the program, 6 to 12 hours of graduate credits will apply toward completion of the undergraduate degree requirements. This dual counting of a course for both undergraduate and graduate credit will only occur when a student completes a Mixed Credit form prior to the semester the course is taken. Students accepted into an accelerated program must complete a Mixed Credit form and submit it in person to a registration center at the time of registration. This form can be obtained on the [Registration website](https://www.missouristate.edu/Registrar/mixedcredit.htm) (<https://www.missouristate.edu/Registrar/mixedcredit.htm>). Completion of this process is necessary for appropriate designation of course credit; this designation is a factor in Financial Aid determinations.

Under the Accelerated Masters degree option, a student will be fully admitted to the Graduate College upon completion of the baccalaureate degree. Undergraduate students interested in the Accelerated Masters opportunity should consult the Graduate Catalog and contact their department or Graduate Admissions (417-836-5331) to determine admission requirements and procedures.

Also, Missouri State University, Evangel University and Southwest Baptist University (SBU) have entered into agreements that provide for undergraduate students at Evangel and SBU to participate in Accelerated Masters programs at Missouri State University. The SBU arrangement is limited to the Accelerated Master of Accountancy program.

Senior Permission

Missouri State University seniors and visiting degree-seeking seniors from another institution who are classified as non-degree seeking while at Missouri State University, may be permitted to take 600- and above numbered course work for graduate credit. Senior permission enrollment is allowed during the last two semesters of a baccalaureate program upon the recommendation of the head of the department in which the course is offered and approval of the Graduate College. To be eligible, a student must have a grade point average of at least 3.00 on the last 60 hours of undergraduate course work. Courses completed for graduate credit under Senior Permission cannot be applied toward an undergraduate degree.

A senior student may enroll in a maximum of 9 semester hours of graduate credit during a semester, with a maximum enrollment of 15 hours, including both undergraduate and graduate course work. Students may not complete more than a total of 12 semester hours of graduate credit under Senior Permission. Credit earned under Senior Permission can be applied toward a graduate degree at Missouri State University with this application of credits contingent upon approval of the head of the department in which the course is offered and the Graduate College. Senior Permission forms are available on [Registration website](https://www.missouristate.edu/Registrar/mixedcredit.htm) (<https://www.missouristate.edu/Registrar/mixedcredit.htm>) and must be completed and submitted in person to a registration center at the time a student registers.

Graduate Internet Course and Program Offerings

Missouri State University offers several graduate degree programs online as well as major parts of other graduate programs. Internet courses and programs have undergone the same academic review and scrutiny as programs offered on campus and students taking Internet courses are supported through access to a variety of campus services including advising and registration, help-desk support, and library access. Students can access their courses anytime and anyplace, thus enabling students to study and participate in discussions and other course work whenever and wherever they choose.

Note: International Students must be enrolled in at least 9 hours to meet SEVIS requirements as a full-time student. Only 3 hours of online course work can be included in meeting this 9 hour minimum for full-time classification.

For additional information visit the [Missouri State Outreach website](https://outreach.missouristate.edu/) (<https://outreach.missouristate.edu/>).

Graduate Education Off-Campus


Missouri State's off-campus courses are taught onsite by MSU faculty, commuting to the sites, or by qualified instructors from the local community approved by academic departments as having areas of special expertise. Some courses may be taught at-a-distance using our interactive video network that enables live classroom-to-classroom audio and video connections.




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<https://graduate.missouristate.edu/Catalog/gradcollege.htm>

Missouri State

Graduate College

Graduate Catalog

Graduate College Courses

Graduate College (GRD) courses

GRD 796 Variable Topics in University Teaching for GAs and TAs

In-depth study of scholarly teaching and the scholarship of teaching and learning at the university level. Variable topics course. May be repeated up to 3 hours if topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |


GEN 798, Active in Research

Students who have completed all course work and are only working on their research component may register for GEN 798, Active in Research. This course is offered at a flat-rate fee of \$75 and allows the following: access to the library including online service such as interlibrary loans, MOBIUS, and restricted access databases; opportunity to purchase a parking permit; and access to computer services and Missouri State email. Course is for zero credit hour and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).



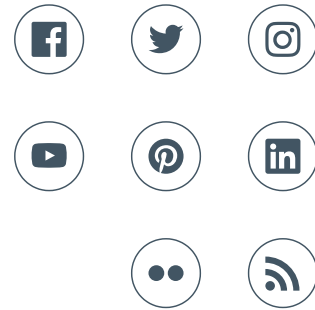


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<https://graduate.missouristate.edu/Catalog/courses-graduate-college.htm>

Missouri State

Graduate College

Graduate Catalog

Fees and Registration

Costs and fees

For detailed information on tuition, student services fees, enrollment fees, supplemental course fees, and other fees, refer to the [Detailed Costs and Fees website](https://www.missouristate.edu/Registrar/detailed-tuition-and-fees.htm) (<https://www.missouristate.edu/Registrar/detailed-tuition-and-fees.htm>). Also refer to the [Refund Policy](https://www.missouristate.edu/Registrar/refunds.htm) (<https://www.missouristate.edu/Registrar/refunds.htm>) for refund deadlines and appeal for exceptions.

Registration procedures

The University uses a continuous registration system which allows currently enrolled and readmitted students to register well in advance of the beginning of the semester. For detailed registration information, refer to the Office of the Registrar's [Registration web site](https://www.missouristate.edu/Registrar/registration.htm) (<https://www.missouristate.edu/Registrar/registration.htm>).

Students registering for the first time must apply for admission and be admitted prior to registering. To apply online, refer to the [Graduate Student Admissions website](/FutureStudents/Admissions.htm) (</FutureStudents/Admissions.htm>). The procedure for readmission of a graduate student who has not maintained continuous enrollment (summer excluded) is based on the period of absence. Exceptions to this are students in the DPT, MPH and the MS in CSD, COU, ITC, PAS, PSY, and Nurse Anesthesia programs. Refer to the [Graduate Student Admissions website](/FutureStudents/Admissions.htm) (</FutureStudents/Admissions.htm>) for detailed on readmission.

A student is not officially registered for classes until all fees have been paid in full, the student is enrolled in the Deferred Payment Plan, or the student has been awarded financial aid.

No student is permitted to attend a class unless the student's name appears on the class roll or an official change of schedule has been processed.

A "[Hold](/Catalog/Holds.htm)" (</Catalog/Holds.htm>) may prevent registration.

Senior permission and mixed credit forms

There are two special circumstances allowing an undergraduate student to enroll for graduate credit. A “Senior Permission” form is used by senior undergraduate students wishing to take 600- and above level courses that will count for graduate credit. This form must be completed at the time of registration and submitted in person to a registration center. Please note that courses designated for graduate credit will NOT apply to the undergraduate program. For more information, see Senior Permission listed under Graduate College: Special Academic Opportunities.

Undergraduate students accepted into an Accelerated Master’s Program need to complete a “Mixed Credit” form for courses that will be utilized to satisfy both undergraduate and graduate degree requirements. This form must be submitted in person to a registration center. For more information, see Accelerated Masters listed under Graduate College: Special Academic Opportunities.





Workshops

No more than five credit hours of graduate course work completed in workshops may be applied to the minimum hours required for a masters degree.



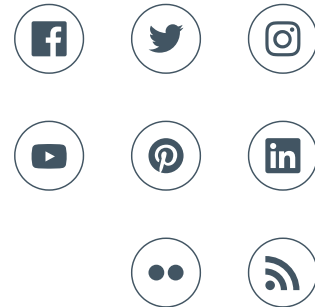
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<https://graduate.missouristate.edu/Catalog/feesregistration.htm>

Missouri State

Graduate College

Graduate Catalog

Graduate Assistantships

Graduate assistantships are available in many areas to assist students with expenses and to enhance learning while studying for advanced degrees at Missouri State University. Graduate assistantships are offered in both academic and administrative areas and involve teaching, research, and/or administrative responsibilities. Since the primary purpose of graduate assistantships is to aid students in the pursuit of advanced degrees, a student must be admitted into a graduate degree program or graduate certificate program at Missouri State to be eligible. Often, the assistantship assignment is related to the student's program of study. Some openings are posted on the [financial aid website](https://www.missouristate.edu/FinancialAid/Graduate.htm) (<https://www.missouristate.edu/FinancialAid/Graduate.htm>). As this is not an exhaustive listing, students are encouraged to contact departments and offices directly regarding openings.

Assistantships begin the week prior to classes and continue through graduation. Specific hours of employment are arranged between the student and the supervisor.

Commitment date:

Missouri State University supports the policy adopted by the Council of Graduate Schools (CGS) concerning assistantship offers (does not apply to admissions decisions). When a student accepts an offer of a graduate assistantship for the next academic year prior to April 15, this constitutes a letter of intent that is not considered binding but is a good faith agreement. On April 15, this agreement becomes a contract that is considered binding for both the students and the department/office that offered the assistantship, and both parties are expected to honor it. Any assistantship offered and accepted after April 15 is likewise considered immediately binding.

Students wishing to break this contract after April 15 must request from the department/office that awarded them the assistantship a written release from their contract. Similarly, students accepting an assistantship offer after April 15 who have already accepted an assistantship at another university must submit with this acceptance a letter from the other university releasing them from their contract.

Review the complete [CGS resolution](http://www.cgsnet.org/portals/0/pdf/CGS_Resolution.pdf) (http://www.cgsnet.org/portals/0/pdf/CGS_Resolution.pdf).

Eligibility:

The graduate assistantship requires an average of 20 hours per week and provides a stipend (https://www.missouristate.edu/policy/Op3_16_4_Stipends.htm) (https://www.missouristate.edu/policy/Op3_16_4_Stipends.htm). Generally, students are not allowed to engage in any other University employment while holding an assistantship. In rare cases, an assistantship may be awarded at quarter-time (10 hours per week) and would pay half the normal stipend. GA's must meet grade point average and enrollment requirements. Graduate assistantships typically may be held for a maximum of four semesters (not including summer). Students may hold an assistantship longer if pursuing a second program or a doctoral degree. Specific information at https://www.missouristate.edu/policy/Op3_16_1_StudentEligibility.htm (https://www.missouristate.edu/policy/Op3_16_1_StudentEligibility.htm).

Fee Waiver Scholarship:

Students who are awarded a graduate assistantship also are eligible to receive a limited fee-waiver scholarship, which can cover up to 110% of the graduate credits required for the program (see Fee-waiver Scholarships information at https://www.missouristate.edu/policy/Op3_16_5_FeeWaiverCosts.htm) (https://www.missouristate.edu/policy/Op3_16_5_FeeWaiverCosts.htm). Students appointed on a graduate assistantship during the Spring semester are eligible for a fee waiver scholarship during the following Summer term. NOTE: Current law prevents students with Deferred Action for Childhood Arrival (DACA) status from receiving scholarships or other types of financial assistance directly from University, state or federal sources. A DACA status student may apply for graduate assistantships, but if selected, would be eligible to receive *only the stipend portion* as long as the student retains a valid work permit. This means the DACA status student would not be awarded the tuition and fee waivers. The current law does not prevent DACA status students from receiving scholarships sponsored by outside agencies or organizations. Such students may want to [search for scholarships](https://missouristate.scholarships.ngwebsolutions.com/ScholarX_ScholarshipSearch.aspx) (https://missouristate.scholarships.ngwebsolutions.com/ScholarX_ScholarshipSearch.aspx).

The G.A. fee waiver scholarship covers **only** the standard tuition for Missouri Residents or Non-Residents plus the Student Services Fee. The G.A. fee waiver scholarship does not pay for differential fees or other enrollment fees assessed for certain courses (regular or internet based instruction). The fee waiver scholarship also does not pay for student health insurance, books or other miscellaneous fees. Review the [list of courses with these extra fees](https://www.missouristate.edu/Registrar/detailed-tuition-and-fees.htm) (<https://www.missouristate.edu/Registrar/detailed-tuition-and-fees.htm>), and the detailed rate for tuition and fees.

Application:

An application for a graduate assistantship must be submitted directly to the department in which the assistantship is sought. It is wise to check with the department before applying. Application forms are available on the Graduate College website. Information requested from an applicant includes employment and academic history and references. Departments employing graduate assistants may request additional information.

International Students:

International students can only work 20 hours maximum per week during the fall and spring semesters per U.S. Immigration law. Graduate students who did not receive both their primary and secondary education in a country where English was the primary language must meet certain requirements based on Missouri statutes to qualify for assistantships with teaching assignments. For complete information see https://www.missouristate.edu/policy/Op3_16_2_InternationalStudentEmployees.htm (https://www.missouristate.edu/policy/Op3_16_2_InternationalStudentEmployees.htm)

Teaching Assistant Orientation and Training

University:

The Graduate College provides an intensive orientation prior to the Fall semester for all new graduate teaching assistants. A condensed version of this orientation is also offered prior to the spring semester. All new teaching assistants must participate in this pre-semester orientation.

Departments:

In most cases, academic departments provide formal orientation and training sessions for their teaching assistants.

Scholarships

Missouri Outreach Graduate Opportunity (MOGO) Scholarship

The Missouri Outreach Graduate Opportunity (MOGO) Scholarship provides a partial remission of out-of-state tuition for full-time graduate students who are not Missouri residents. The MOGO Scholarship has a value of three-fourths of the out-of-state portion of graduate students tuition for 9 credit hours (5 credits hours in the summer). No application is required. Once a student meets the eligibility criteria, the scholarship will automatically be offered. All information regarding student eligibility and included programs can be found at <https://www.missouristate.edu/financialaid/scholarships/graduatemogo.html> (<https://www.missouristate.edu/financialaid/scholarships/graduatemogo.html>).

Renewal Criteria:

To renew the MOGO Scholarship for subsequent semesters, students must remain enrolled in an eligible program, complete at least 9 graduate credit hours during each semester the award is received and at least 5 graduate credit hours during each summer session the award is received, maintain a cumulative graduate GPA of 3.00 and remain classified as a non-resident for fee purposes. Eligibility will be verified at the end of each semester. If a student becomes ineligible, the scholarship will not be reinstated unless the student is approved for an exception by the Dean of the Graduate College. An exception to the credit hour requirement will be granted to students who are enrolled in their last semester and need fewer than the prescribed minimum hours to graduate. Students in their last semester seeking a reduction to the credit hour requirement must submit the "Satisfactory Academic Appeal" Form found on the Financial Aid website.

Undergraduate MSU Scholarships

MSU undergraduate students who complete their bachelor's degree and move immediately into a graduate program (including accelerated master's programs), and have unused eligibility in their undergraduate scholarship, may be able to transfer the remaining scholarship to their graduate programs. Check with the [Financial Aid Office](https://www.missouristate.edu/FinancialAid/contact.aspx) (<https://www.missouristate.edu/FinancialAid/contact.aspx>) for information and eligibility requirements. Note: This cannot be used in conjunction with a graduate assistantship.

Scholarships for Graduate Students

For a complete listing, refer to the [Scholarships for Graduate Students](https://www.missouristate.edu/FinancialAid/Scholarships/Graduate.htm) (<https://www.missouristate.edu/FinancialAid/Scholarships/Graduate.htm>) website.

Federal Financial Assistance

For a complete listing of all federal financial aid available, eligibility, and procedures, refer to the [Financial Aid Office](https://www.missouristate.edu/FinancialAid/) (<https://www.missouristate.edu/FinancialAid/>) website.

Veterans Benefits and Services

This institution is approved to offer GI Bill® educational benefits by the Virginia State Approving Agency. The Virginia State Approving Agency (SAA), is the approving authority of education and training programs for Virginia. Our office investigates complaints of GI Bill beneficiaries. While most complaints should initially follow the school grievance policy, if the situation cannot be resolved at the school, the beneficiary should contact our office via email saa@dvs.virginia.gov (<mailto:saa@dvs.virginia.gov>).

For more information, refer to the [Veterans Student Services](https://www.missouristate.edu/Veterans/) (<https://www.missouristate.edu/Veterans/>) website.





Student Employment Service

The Student Employment Office maintains an active file of permanent and temporary part-time jobs as well as a few full-time employment opportunities. **Graduate Assistants (20 per week) are not eligible to hold any additional on-campus positions during the time of their appointment.** For more information, refer to the [Student Employment Service](https://www.missouristate.edu/StudentEmp/) (<https://www.missouristate.edu/StudentEmp/>) website.



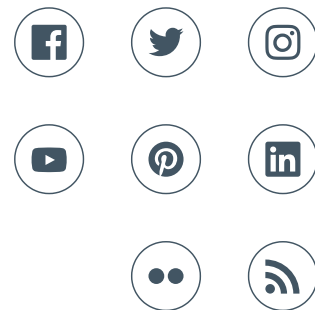
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<https://graduate.missouristate.edu/Catalog/assistance.htm>

Missouri State

Graduate College

Graduate Catalog

Programs Offered

Program outcomes

Pursuant to Missouri HB 1606 (2018), information regarding program lengths, costs, and students' median time-to-degree, as well as employment and wage outcomes, can be found at jobs.mo.gov (<https://jobs.mo.gov/jobseeker/training-and-education>). Employment and wage outcomes are limited to completers found employed in Missouri. Students not found as employed may also be working out-of-state, self-employed, or enrolled in continuing education. Additional information on programs and program outcomes may be found by searching at [MoScores portal](https://scorecard.mo.gov/Search) (<https://scorecard.mo.gov/Search>).



MASTER'S PROGRAMS


SPECIALIST PROGRAMS

DOCTORAL PROGRAMS

CERTIFICATES

Master's programs

 Includes accelerated completion option

 Program can be completed online

All Missouri State University policies regarding courses, programs, specialized academic program accreditations, academic regulations, and degree requirements are applicable, regardless of delivery method or location.

A

[Accountancy \(MAcc\)](#) 

[Agriculture \(MS\)](#) 

[Applied Behavior Analysis \(MS\)](#) ⇄

[Athletic Training \(MATC, MS\)](#)

[Applied Second Language Acquisition \(MASLA\)](#) ⇄

B

[Biology \(MS\)](#) ⇄

[Business Administration \(MBA\)](#) ⇄ 

C

[Cell and Molecular Biology \(MS\)](#) ⇄

[Communication Sciences and Disorders: Speech-Language Pathology option \(MS\)](#)

[Chemistry \(MS\)](#) ⇄

[Computer Science \(MS\)](#) ⇄

[Child Life Studies \(MS\)](#) ⇄ 

[Counseling \(MS\)](#)

[Communication \(MA\)](#) ⇄

[Criminology and Criminal Justice \(MS\)](#) ⇄ 

[Communication Sciences and Disorders: Education of the Deaf and Hard of Hearing option \(MS\)](#) ⇄

[Cybersecurity \(MS\)](#) ⇄ 

D

[Defense and Strategic Studies \(MS\)](#)

[Dramatic Writing \(MFA\)](#)

E

[Early Childhood and Family Development \(MS\)](#) ⇄ 

[Educational Technology \(MSEd\)](#) ⇄ 

[Early Childhood Special Education \(MSEd\)](#) ⇄

[Elementary Education \(MSEd\)](#) ⇄ 

[Educational Administration \(MSEd\)](#)

[English \(MA\)](#)

F

[Fine Arts, Visual Studies \(MFA\)](#)

G

[Geography and Geology \(MS\)](#) ⇄

[Global Studies \(MGS\)](#) ⇄

H

[Health Administration \(MHA\)](#) ⇄

[History \(MA\)](#) ⇄ 

[Health Promotion and Wellness Management \(MS\)](#)

⇄

I

[Information Technology \(MS\)](#) ⇄ 

[Interdisciplinary Studies \(MS\)](#) ⇄

K

[Kinesiology \(MS\)](#)

L

[Literacy \(MSEd\)](#) ⇄ 

M

[Materials Science \(MS\)](#) ⇄

[Music \(MM\)](#)

[Mathematics \(MS\)](#) ⇄

N

[Natural and Applied Sciences degree with emphasis in Agriculture, and in Plant Science \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Computer Science \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Biology \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Geography, Geology, and Planning \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Chemistry \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Mathematics \(MNAS\)](#) ⇄

[Natural and Applied Sciences degree with emphasis in Physics \(MNAS\)](#) ☒

[Nursing \(MSN\)](#)

O

[Occupational Therapy \(MOT\)](#)

P

[Physician Assistant Studies \(MS\)](#)

[Plant Science \(MS\)](#) ☒

[Professional Studies: Applied Communication Option \(MPS\)](#) ☒ ☒

[Professional Studies: Criminal Justice Option \(MPS\)](#) ☒ ☒

[Professional Studies: Environmental Management Option \(MPS\)](#) ☒

[Professional Studies: Homeland Security and Defense Option \(MPS\)](#) ☒ ☒

[Professional Studies: Hospitality Administration Option \(MPS\)](#) ☒ ☒

[Nutrition and Dietetics \(MS\)](#)

[Professional Studies: Individualized Option \(MPS\)](#) ☒

[Professional Studies: Producing and Screenwriting Option \(MPS\)](#)

[Professional Studies: Project Management Option \(MPS\)](#) ☒

[Professional Studies: Sports Management Option \(MPS\)](#) ☒

[Project Management \(MS\)](#) ☒ ☒

[Psychology \(MS\)](#)

[Public Administration \(MPA\)](#) ☒

[Public Health \(MPH\)](#) ☒

R

[Religious Studies \(MA\)](#) ☒

S

[Secondary Education \(MSEd\)](#)


[Secondary Education: Agriculture Area of Emphasis \(MSEd\)](#)

[Secondary Education: Art Area of Emphasis \(MSEd\)](#)

[Secondary Education: Biology Area of Emphasis \(MSEd\)](#)


[Secondary Education: Chemistry Area of Emphasis \(MSEd\)](#)

[Secondary Education: Earth Science Area of Emphasis \(MSEd\)](#)

[Secondary Education: English Area of Emphasis](#)
(MSEd) 

[Secondary Education: Family and Consumer
Sciences Area of Emphasis](#) (MSEd) 

[Secondary Education: Geography Area of Emphasis](#)
(MSEd)

[Secondary Education: History Area of Emphasis](#)
(MSEd) 

[Secondary Education: Mathematics Area of
Emphasis](#) (MSEd) 

[Secondary Education: Natural Science Area of
Emphasis](#) (MSEd)

[Secondary Education: Physical Education Area of
Emphasis](#) (MSEd)

[Secondary Education: Physics Area of Emphasis](#)
(MSEd)

[Secondary Education: Social Science Area of
Emphasis](#) (MSEd)

[Social Work](#) (MSW)

[Special Education](#) (MSEd) 

[Student Affairs in Higher Education](#) (MS)

T

[Teaching](#) (MAT)

[Teaching and Learning](#) (MATL)

V

[Visual Studies, Master of Fine Arts](#) (MFA)

W

[Writing](#) (MA) 

Specialist programs

[Educational Administration](#) (EdS)

[Teacher Leadership](#) (EdS)

[Special Education and Assessment](#) (EdS)

Doctoral programs


[Audiology, Doctor of](#) (AuD) 

[Nurse Anesthesia Practice, Doctor of](#) (DNAP) 

[Defense and Strategic Studies, Doctor of](#) (DDSS)

[DNP-Family Nurse Practitioner: BSN to DNP](#)

[Educational Leadership, cooperative doctoral
degree with the University of Missouri-Columbia](#)
(EdD)

[Nursing Practice, Doctor of](#) (Post-Master's DNP) 
(DNP)

[Pharmacy, Doctor of: cooperative degree with the University of Missouri-Kansas City \(PharmD\)](#)

[Physical Therapy, Doctor of \(DPT\)](#)

Certificates

A

[Agricultural Business and Economics](#) (Certificate)

[Applied Communication](#) (Certificate) 

[Applied Economics](#) (Certificate)

[Autism Spectrum Disorders](#) (Certificate)

B

[Biomolecular Sciences](#) (Certificate)

C

[Choral Studies](#) (Certificate)

[College Teaching](#) (Certificate)


[Comprehensive Systems of Support](#) (Certificate)

[Conflict and Dispute Resolution](#) (Certificate) 

[Countering Weapons of Mass Destruction \(CWMD\)](#)
(Certificate)

[Crime Prevention](#) (Certificate)

[Criminal Justice Leadership and Management](#)
(Certificate)

[Cybersecurity](#) (Certificate) 

D

[Data Analytics](#) (Certificate)

[Data Analytics in Accounting](#) (Certificate)

[Data Science](#) (Certificate)

[Defense and Strategic Studies](#) (Certificate)


[Dietetics Internship](#) (Certificate)

[Dyslexia](#) (Certificate)

E

[Economic Development](#) (Certificate)

[Education of the Deaf and Hard of Hearing](#)
(Certificate) 

[Education of Gifted and Talented Students](#)
(Certificate) 

[Educational Technology](#) (Certificate) 

[Elementary Curriculum and Instruction](#) (Certificate)



[Elementary Mathematics Specialist](#) (Certificate)

[Entrepreneurship](#) (Certificate)

[Environmental Monitoring and Sampling](#) (Certificate)

[Environmental STEM for Teachers](#) (Certificate)

F

[Family and Consumer Sciences Education](#)
(Certificate)

[Finance](#) (Certificate)

[Financial Analysis](#) (Certificate)

[Foreign Language Teaching \(non-certifiable\)](#)
(Certificate)

[Forensic Accounting](#) (Certificate)

[Forensic Child Psychology](#) (Certificate)

[French](#) (Certificate)

G

[Geospatial Information Science](#) (Certificate)

H

[Health Administration](#) (Certificate)

[Health Programming](#) (Certificate)

[History for Teachers](#) (Certificate)

[Homeland Security and Defense](#) (Certificate)

[Hospitality Administration](#) (Certificate)

I

[Individualized](#) (Certificate)

[Information Technology](#) (Certificate)

[International Business](#) (Certificate)

[International Perspectives in K-12 Special Education](#)
(Certificate)

L

[Leadership](#) (Certificate)

[Literacy](#) (Certificate)

[Local Government Management](#) (Certificate)

M


[Management](#) (Certificate)

[Marketing](#) (Certificate)

[Music Education](#) (Certificate)

[Music Performance](#) (Certificate)

N

[Nurse Educator](#) (Certificate) 

O

[Online Teaching and Learning](#) (Certificate)

[Orientation and Mobility](#) (Certificate)

P

[Perspectives About the American Higher Education System](#) (Certificate)


[Petroleum Geology](#) (Certificate)

[Planning and Development](#) (Certificate)

[Play Therapy](#) (Certificate)

[Post-Master's Population Health](#) (Certificate)

[Professional Studies](#) (Certificate) 

[Project Management](#) (Certificate) 

[Public Health Administration](#) (Certificate)

[Public Health and Homeland Security](#) (Certificate)

[Public Health Core](#) (Certificate)

[Public Management](#) (Certificate)

[Public Policy](#) (Certificate)

[Public Safety](#) (Certificate)

Q

[Quantitative Enterprise Risk Management](#)
(Certificate) 


R

[Ranch Management](#) (Certificate)

[Recreation and Parks Administration](#) (Certificate)

[Registered Nurse First Assist](#) (Certificate)

S

[Science Content](#) (Certificate) 

[School Counseling](#) (Certificate)

[Screenwriting for Television and Film](#) (Certificate)



[Spanish](#) (Certificate)

[Special Education Director](#) (Certificate)

[Special Education Technology and Innovation](#) (Certificate)

[Sport and Human Performance](#) (Certificate)

[Sport Pedagogy](#) (Certificate)

[Sports Management](#) (Certificate) 

[Statistics and Research Design](#) (Certificate)

[Student Mental Health, Family and Community Support](#) (Certificate)

[Sustainability](#) (Certificate)

T

[Tax Accounting](#) (Certificate)

[Teacher Leadership](#) (Certificate)

[Teaching and Learning](#) (Certificate)

[Teaching English to Speakers of Other](#)


[Languages \(TESOL\)](#) (Certificate) 

[Teaching of Writing K-12](#) (Certificate)


[Technical and Professional Writing](#) (Certificate) 




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University Policies

NOTE: This section on University Policies, plus the sections on Academic Policies and the Graduate College, constitute the “Graduate Student Manual”. All graduate students are expected to become familiar with these policies and procedures, as they describe the rights and responsibilities of graduate students at Missouri State University. It is not possible to cover all potential situations in these pages, so graduate students (current and future) should contact the Graduate College for clarification or more information. Specific departments and graduate programs may have additional policies, procedures, and requirements not covered in these sections.

In fulfilling its mission, the University adheres to a set of educational and administrative policies which are essential to the maintenance of a learning environment and which fosters a sense of community and public accountability.

The University is committed to freedom of thought and inquiry for both faculty and students. This commitment ensures that faculty have the freedom to teach, conduct research, exercise creativity, and publish in their professional capacity without restraint or fear of reprisals. Academic freedom is essential to the University's instructional and research activities. An open instructional environment is essential for the protection of the rights of faculty to teach and of the students' freedom to learn. Freedom in research and creativity is fundamental to the advancement of truth.

In return, faculty and students conducting research or other creative/scholarly activity as part of the academic enterprise do so in a responsible and ethical manner. Responsible conduct of research includes (but is not limited to) compliance with federal regulations related to the health/safety of the researchers, their subjects, and the environment. Training for specific compliance requirements, and information to prevent research misconduct or unethical research activities are available from the Office of Sponsored Research and Programs.

As a state-assisted public institution of higher education, Missouri State University is accountable for the fiscal management of funds received from public, business, philanthropic, and private sources. The University also recognizes its responsibility for educational outcomes relevant to individual and social needs, and for the effective administration of its programs. The University is committed to the concept of public accountability in the broadest sense. Such a commitment obligates the University to: (1) define institutional goals and priorities, (2) determine the degree to which goals are achieved, (3) identify and measure the outcome of its programs, and (4) measure the costs and benefits of programs. Inherent in those obligations is a commitment to systematic

institutional planning and to continuous program review and evaluation to ensure maintenance of quality and excellence.

While it is impossible to specify all relevant University policies, the more salient ones are herein identified.

SELECTED UNIVERSITY POLICIES

Code of Student Rights, Responsibilities, and Conduct

(/Catalog/ConductCode.htm)

Email Communication Policy

(/Catalog/email-communication-policy.htm)

Equal Opportunity and Affirmative Action Policy

(/Catalog/EEO.htm)

Expressive Activity Policy

(/Catalog/ExpressiveActivity.htm)

Non-Discrimination Policy

(/Catalog/NonDiscrimination.htm)

Residency Status (for Tuition Purposes)

(/Catalog/Residency.htm)

Student Disability Accommodation Policy

(/Catalog/Accommodation.htm)

Student Rights (FERPA)


(/Catalog/FERPA.htm)




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Academic Policies and Procedures

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- [Accelerated Masters Program \(Mixed Credit\)](#)
- [Address](#)
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- [Auditing a Course](#)
- [Certificate](#)
- [Change of Schedule \(Drop/Add\)](#)
- [Class Disruption](#)
- [Commencement](#)
- [Credit Hours and Semester System](#)
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- [Final Examination Period](#)
- [Grade Appeals and Academic Grievances](#)
- [Grade Requirements](#)
- [Grade Point Average](#)
- [Grading and the Credit Point System](#)
- [Graduation](#)
- [Holds](#)
- [Incomplete Grade](#)
- [Instructor Drop](#)
- [Legal Information and Status](#)
- [Name Change \(refer to Legal Information and Status\)](#)
- [Overload Permission](#)
- [Pass/Not Pass Grading Option](#)

- [Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated with Active Orders](#)
- [Prerequisites](#)
- [Registration](#)
- [Repeat Policy](#)
- [Senior Permission for Graduate Credit](#)
- [Transcript Requests](#)
- [Transfer Credit Policy](#)
- [Veterans Benefits](#)



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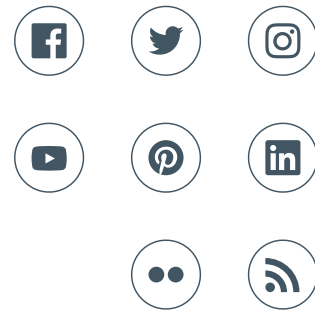
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Academic Integrity

[Op3.01 Academic Integrity Policies and Procedures \(Students\)](https://www.missouristate.edu/Policy/Op3_01_AcademicIntegrityStudents.htm)
(https://www.missouristate.edu/Policy/Op3_01_AcademicIntegrityStudents.htm).



To view this policy in its entirety, see [Academic Integrity Policies and Procedures \(/Assets/policy/Op3_01_Academic-Integrity-Policies-and-Procedures-07-28-2014.pdf\)](#).

You need [Adobe Reader](#) to view and print this document.



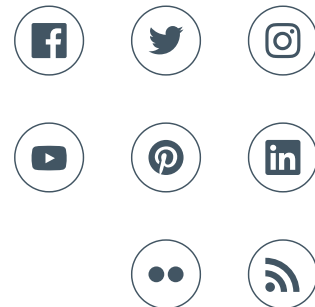
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Accelerated Masters Program (Mixed Credit)

[Op3.04-51 Undergraduate Students Taking Graduate Credit](https://www.missouristate.edu/Policy/Op3_04_51_Undergraduate_Students_Taking_Graduate_Credit.htm)

(https://www.missouristate.edu/Policy/Op3_04_51_Undergraduate_Students_Taking_Graduate_Credit.htm)

Undergraduate students have three options for taking graduate credit prior to completion of a bachelor's degree:

Mixed Credit (Accelerated Graduate Programs): Students admitted into an approved accelerated graduate degree program may have a limited number of 600-level or higher courses counted toward both an undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), the undergraduate student must be accepted into the accelerated program and receive prior approval from: 1) the Graduate Program Director, 2) the Department Head of the undergraduate program, and 3) the Dean of the Graduate College. All approvals must be completed prior to the end of the Change of Schedule Period for the course(s). Although a maximum of 12 credit hours may be taken as Mixed Credit, many programs have lower limits. See the "Graduate College" section of the catalog for further information.

Mixed Credit (General): Undergraduate students who meet all the admission requirements of a graduate degree or certificate program other than the completion of a baccalaureate degree may receive permission to take up to six hours of mixed (undergraduate and graduate) credit without first being admitted to a specific graduate program. In order to qualify for this credit, the student must have completed 90 or more credit hours with a minimum cumulative GPA (MSU and combined) of 3.00. Note, however, that Individual programs may have a higher required GPA. Qualified students must receive prior approval from: 1) the Graduate Program Director of the program in which the graduate course is taken; 2) the Department Head of the undergraduate major to which the mixed credit will be applied; and 3) the Dean of the Graduate College. It should be noted that permission of the Graduate Program Director of one program does not guarantee that those approved mixed credit courses can be used in a different graduate program.

Senior Permission: Undergraduate students who have accumulated at least 90 hours from Missouri State or another accredited institution may be permitted to take a maximum of 12 credits of 600-level or higher courses





for graduate credit. Students who desire to participate in this program must receive the recommendation of the head of the department in which the course(s) are offered and the approval of the Dean of the Graduate College. To be eligible, students must have a GPA of at least 3.00 on the last 60 hours of their undergraduate course work. Students are limited to a maximum of 9 credit hours of graduate level courses and a maximum of 15 credit hours of graduate and undergraduate courses combined during a semester. Courses completed for graduate credit under Senior Permission cannot be applied toward the undergraduate degree. Graduate credit earned under Senior Permission may be applied toward a graduate degree or certificate program contingent upon approval of the Graduate Program Director.

The Graduate College and the Office of the Registrar are responsible for developing and administering procedures for students utilizing the above options. Both offices will provide information on the procedures through their websites.



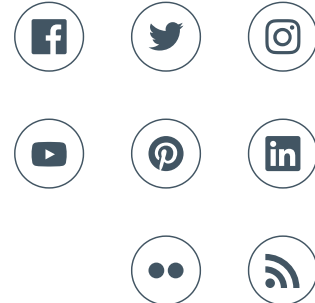
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Address

[Op3.04-35 Change of Student Legal Information and Status \(https://www.missouristate.edu/Policy/Op3_04_35_change-student-legal-information.htm\)](https://www.missouristate.edu/Policy/Op3_04_35_change-student-legal-information.htm)

Students may change legal information such as name, marital status, social security number, date of birth, sex, guardianship (parent or legal guardian) or citizenship status by submitting suitable legal documentation along with the [Change of Student Information](https://www.missouristate.edu/Registrar/studentchangeinfo.htm) form to the Office of the Registrar.

Suitable legal documentation consists of documents required by the State of Missouri to make the requested change and will vary depending on the information sought to be changed and could include, but is not limited to: driver's license, official state ID card, Social Security card, certified copy of marriage license, court order from a court of competent jurisdiction, current passport or official proof of identity certified by the U.S. embassy abroad or by the appropriate foreign embassy in the United States.

When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who last attended Missouri State University before 1985 have microfilm records. A [Change of Student Information](https://www.missouristate.edu/Registrar/studentchangeinfo.htm) form is available online.

Students are expected to keep addresses, phone numbers, personal email addresses, and emergency contact information up-to-date. The Change of Student Information form is not intended to update a student's contact information or emergency contact. Updates to students' contact information or emergency contact must be done through the [Change of Student Contact Information](https://www.missouristate.edu/Registrar/studentcontactinformationchanges.htm) form.

All current and previous names, addresses, phone numbers, and email addresses are permanently maintained as part of the student's record.


The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a student information change.




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
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Attendance Policy

[Op3.04-7 Attendance Policy \(https://www.missouristate.edu/Policy/Op3_04_7_Attendance.htm\)](https://www.missouristate.edu/Policy/Op3_04_7_Attendance.htm)

Because class attendance and course grade are demonstrably and positively related, the University expects students to attend *all* class sessions of courses in which they are enrolled. Each instructor has the *responsibility* to determine specific attendance policies for each course taught, including the role that attendance plays in calculation of final grades and the extent to which work missed due to non-attendance can be made up. On the *first day of class*, each instructor will make available to each student a written statement of the specific attendance policy for that class. The University encourages instructors not to make attendance a disproportionately weighted component of the final grade. The University expects instructors to be reasonable in accommodating students whose absence from class resulted from: (1) participation in University-sanctioned activities and programs; (2) personal illness; (3) temporary military orders or Veterans Administration medical appointments; or (4) family and/or other compelling circumstances. Instructors have the right to request documentation verifying the basis of any absences resulting from the above factors. Any student who believes that his or her final grade for a course has been reduced unfairly because of attendance factors has the right to appeal that grade under the process outlined below.

Appeal process for attendance-related grade reductions:

The process of grade appeal based upon attendance factors is intended to render a timely and peer-based judgment and is outlined as follows:

- A. The student should first attempt to resolve the grade conflict with the instructor on an informal basis. If satisfactory resolution is not reached, formal appeal should be initiated as outlined in (2) below.
- B. The student initiates the formal appeal process as follows:
 - a. The student writes a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of his or her grade. The letter should include the following information: student's name and BearPass Number; the course code, number, and section; the year and semester the course was taken; the instructor's name; and a clear statement of the grade change request and reasons which justify the request. This formal letter must be initiated

- no later than the end of the first semester after the grade in question is received (excluding summer semester).
- b. The instructor (or the appropriate department head if the instructor is no longer on campus) must respond to the formal appeal within ten (10) school days of the receipt of the formal letter:
 - a. If it is determined that the student's request is justified, the instructor (or department head, as appropriate) will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College.
 - b. If it is determined by the instructor (or department head, as appropriate) that the student's request is *not* justified, the instructor (or department head) will write a formal response to the student justifying his or her decision.
 - c. Should the student desire to continue the appeal process, he or she may request a formal hearing before the Attendance Appeal Board (AAB)¹ as follows:
 - a. The student will submit to the Office of the Vice President for Student Affairs a completed AAB Request for Hearing Form (including a release of information on grades awarded on examinations and assignments, and attendance data, for the specific course in question); the student's formal letter to the instructor (or department head, as appropriate); and the instructor's (or department head's) response.
 - b. Upon receipt of the specified documentation, the AAB will determine if the grade reduction is attendance related and potentially unreasonable and/or at variance with the instructor's stated attendance policy. If it is so determined, the AAB will convene a hearing *at the earliest possible date* based upon the schedules of the involved parties. The hearing will be conducted in an attempt to determine the facts associated with the appeal and the intent is that a recommendation will be rendered by the end of the semester in which the appeal was filed.
 - c. The AAB is advisory only. The Board will forward all documentation and its recommendation to the Provost. Based upon those data, the Provost will make a ruling to the extent that: (1) the grade should be changed including the new grade to be awarded; or (2) the grade should not be changed.

¹The Attendance Appeal Board will consist of five members as follows: The Board Chair will be the Vice President for Student Affairs or his/her designee. The Vice President for Student Affairs will also select one faculty member from among those serving on the Faculty Student Judicial Commission and three students from among those serving as Justices on the Campus Judicial Board.

Students are not automatically dropped for non-attendance. Failure to properly drop or withdraw will result in F grade(s) and a continued financial obligation.



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Auditing a Course

Op3.04-8 Auditing a Course (https://www.missouristate.edu/Policy/Op3_04_8_AuditingaCourse.htm)

The auditing student is expected to attend class regularly and should consult with the instructor to determine what else is expected in the course. If an auditing student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may direct the Office of the Registrar to drop the student from the class. Such drops will be graded with a "W" grade and will be subject to the normal fee refund policy.


Students may audit courses to the maximum authorized academic load. A person currently not enrolled at the University must be admitted in order to register as an auditor. Courses audited are counted in the same way as courses taken for credit in determining required student fees. Credit is not awarded for auditing a class. Audited classes are excluded when determining enrollment status (full-time, half-time) and eligibility for the semester Deans List. Audited classes are included when determining need for Overload Permission.

To audit a course (or to remove a course from audit) the student must complete a form in the Office of the Registrar, Carrington Hall room 320 any time prior to the "W" grade deadline for that course. Students may not change from a credit basis to an audit basis or vice versa once the "W" grade deadline has ended.



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Certificate

Op3.04-21 Diploma/University Certificate (https://www.missouristate.edu/Policy/Op3_04_21_Diploma.htm)

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the [Change of Student Legal Information and Status Policy](https://www.missouristate.edu/Registrar/Catalog/legalinformation.html) (<https://www.missouristate.edu/Registrar/Catalog/legalinformation.html>).



All reissued diplomas and/or certificates produced on or after August 28, 2005 will bear the name Missouri State University.

The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a reissued diploma/certificate. A reissued diploma/certificate fee will be charged in accordance with the current Fee Schedule.



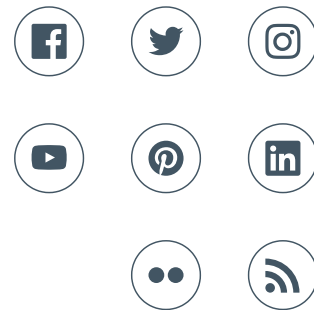


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Change of Schedule (Drop/Add)

[Op3.04-10 Change of Schedule \(Add/Drop\)](https://www.missouristate.edu/Policy/Op3_04_10_ChangeofSchedule.htm) (https://www.missouristate.edu/Policy/Op3_04_10_ChangeofSchedule.htm).

Policy

Below are policies related to adding a class, dropping a class, section changes, and exceptions. Refer to the [Procedures for Adding and Dropping Classes](https://www.missouristate.edu/Registrar/add-droprocedures.htm) (<https://www.missouristate.edu/Registrar/add-droprocedures.htm>) for more information on how to add or drop a class, or withdraw from the University (drop all classes).

Adding a class

Classes may be added prior to the beginning of the semester and during the Change of Schedule Period (from the first day of classes through the end of the 100%refund period). Classes which have not yet begun (e.g., second block courses, short courses, independent study, etc.) may be added after the Change of Schedule Period has ended.

Dropping a class

Dropping all classes is considered a “withdrawal from the University.” Refer to [Procedures for Adding and Dropping Classes](https://www.missouristate.edu/Registrar/add-droprocedures.htm) (<https://www.missouristate.edu/Registrar/add-droprocedures.htm>) for more information.

Classes dropped prior to the end of the Change of Schedule period will not appear on the transcript. Classes may be dropped with a “W” grade from the end of the Change of Schedule period until four weeks prior to the last day of full semester classes, after which time students may not drop. For all classes with a different duration than a full semester, the relevant deadlines can be found in the Drop and Refund page. A “W” grade indicates the student withdrew from the course without academic penalty.

Students who plan to drop a class in which academic dishonesty has alleged to have occurred should first refer to the [Academic Integrity Policies and Procedures](https://www.missouristate.edu/AcademicIntegrity/policies-and-procedures.htm) (<https://www.missouristate.edu/AcademicIntegrity/policies-and-procedures.htm>).

Students who have a hold which prevents using the registration system can drop a class or classes by requesting a drop via the Drop With a Registration Hold Request Form found on the Holds and Add or Drop Classes links of My Missouri State.

Students are expected to complete all registered courses. Failure to properly drop classes will result in the assignment of F grades for those classes, as well as a continued financial obligation for any unpaid tuition charges for those classes. For more information, see the “Exceptions to the Required Student Fees Refund Policy” section of the fee resolution.

Section changes

As stated in the Fee Schedule, students may drop a section and add a different section of the same course during the same part of term and receive an even exchange of fees, provided the section add and drop were processed during the same transaction. Students who drop and add a section in the same course, but in a different part of term do not qualify for this fee exchange. Students who drop a special topics course and add the same course but with a different topic do not qualify for this fee exchange.

Exceptions to the policy

Exceptions to allow a drop after the stated deadline to drop a class are issued to students who have an overwhelming, unforeseen circumstance (e.g., personal medical condition, catastrophic loss) which significantly interferes with the ability to meet the academic commitments of the class or circumstances that interfere with the ability to drop the class before the deadline. In order to be considered for a request for an exception to the drop date, the student must provide appropriate documentation as early as possible but no later than the last day of the class the student is requesting to drop.

Examples of acceptable documentation regarding personal illness include:

- A letter from the student’s appropriate health care provider describing the student’s health problem, how it was unforeseen before the drop deadline, and how it interferes with successful completion of the semester. The letter should include a recommendation that the student be granted an exception to the drop deadline from the date of the onset of the health problem. Medical visit dates should be listed.
- Records of hospitalization or treatment related to the specific health condition(s) (inpatient and/or outpatient).
- Any other pertinent information that supports how the student’s acute health condition(s) interfered with the ability to meet academic commitments.

Copies of medical bills are not sufficient documentation to support an exception to the drop deadline.

Examples of acceptable documentation for other situations include:

- Copy of obituary or funeral program.
- Letter of support from a family member.
- Formal record confirming circumstance of disaster.

Documentation must provide a date (or dates) that can confirm the time-frame for which the appeal has been submitted.

Students who are approved to have a class or classes dropped because of documented extenuating circumstances after the last day to drop, will receive a “W” in the dropped courses and may appeal for a

prorated/partial refund for tuition and room and board (upon proper checkout), but not for nonrefundable fees or charges.





Requests for exceptions to the drop deadline will be considered by a committee appointed by the Provost, including the Dean of Students and Registrar (or their appointed designees). Final appeals may also be considered by the Provost or President of the University.



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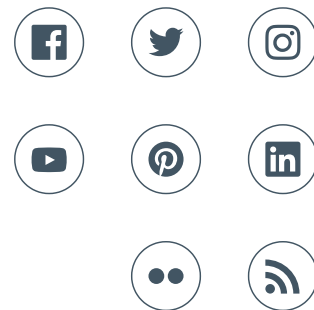
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<https://graduate.missouristate.edu/Catalog/Change-of-Schedule.htm>

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Class Disruption


Op3.04-11 Class Disruption (https://www.missouristate.edu/Policy/Op3_04_11_ClassDisruption.htm).

The course instructor has original jurisdiction over his/her class and may deny a student who is unduly disruptive the right to attend the class. The student is expected to comply with all reasonable directives of the course instructor. The course instructor may have a student administratively withdrawn from a course upon showing of good cause and with the concurrence of the department head. The appeals process in case of such administrative withdrawal shall be as stated in the [Grade Appeals and Academic Grievances](https://www.missouristate.edu/Registrar/Catalog/graderev.html) (<https://www.missouristate.edu/Registrar/Catalog/graderev.html>) policy.





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<https://graduate.missouristate.edu/Catalog/Class-Disruption.htm>

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Commencement

Op3.04-13 Commencement (https://www.missouristate.edu/Policy/Op3_04_13_Commencement.htm)

Students who wish to participate in commencement ceremonies must do so according to the following protocol:

- spring semester graduates must participate in the spring ceremony,
- summer semester graduates, because there is not a summer ceremony, may choose to participate in either the preceding spring or following fall ceremony, and
- fall semester graduates must participate in the fall ceremony.

Students who wish to participate in a ceremony prior to their semester of graduation (except summer graduates who wish to participate in the preceding spring) may appeal to the Associate Provost for Student Development and Public Affairs (undergraduate students) or Associate Provost and Dean of the Graduate College, (graduate students). If approved, the listing of their names in the commencement program will remain in the semester of graduation.

Students who complete a University certificate program will receive a "certificate of completion." These students will not be recognized at the commencement ceremonies.


Commencement information is available on the [commencement website](https://www.missouristate.edu/Commencement/) (<https://www.missouristate.edu/Commencement/>).




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Credit Hours and the Semester System

Op3.04-16 Credit Hours and Semester System (https://www.missouristate.edu/Policy/Op3_04_16-credit-hours-and-semester-system.htm)

The unit of credit used at Missouri State is the semester hour. The university follows the semester system in which the academic year is divided into two instructional semesters with each having 15 weeks of instruction plus a final examination period. Additional instructional periods such as summer, intersession, blocks, sessions, short and extended class periods are offered.

Due to Federal regulations promulgated by the US Department of Education, the Higher Learning Commission requires institutions to document how they determine in-class and out-of-class time equivalencies for distance courses and therefore document how credit hours for distance courses are determined. Missouri State University's assignment and award of credit hours shall conform to commonly-accepted practices in higher education and with the federal definition of the credit hour.

FEDERAL CREDIT HOUR DEFINITION: A CREDIT HOUR IS AN AMOUNT OF WORK REPRESENTED IN INTENDED LEARNING OUTCOMES AND VERIFIED BY EVIDENCE OF STUDENT ACHIEVEMENT THAT IS AN INSTITUTIONALLY-ESTABLISHED EQUIVALENCY THAT REASONABLY APPROXIMATES NOT LESS THAN:

(1) ONE HOUR OF CLASSROOM OR DIRECT FACULTY INSTRUCTION AND A MINIMUM OF TWO HOURS OF OUT-OF-CLASS STUDENT WORK EACH WEEK FOR APPROXIMATELY FIFTEEN WEEKS FOR ONE SEMESTER OR TRIMESTER HOUR OF CREDIT, OR TEN TO TWELVE WEEKS FOR ONE QUARTER HOUR OF CREDIT, OR THE EQUIVALENT AMOUNT OF WORK OVER A

DIFFERENT AMOUNT OF TIME; OR (2) AT LEAST AN EQUIVALENT AMOUNT OF WORK AS REQUIRED IN PARAGRAPH (1) OF THIS DEFINITION FOR OTHER ACTIVITIES AS ESTABLISHED BY AN INSTITUTION, INCLUDING LABORATORY WORK, INTERNSHIPS, PRACTICA, STUDIO WORK, AND OTHER ACADEMIC WORK LEADING TOWARD TO THE AWARD OF CREDIT HOURS.
34CFR 600.2 (11/1/2010)

The number of credit hours awarded for courses is based on the expected time required to successfully meet the course objectives. This time is a combination of activities including in-class lecture, laboratory work, outside reading, and other academic work. The following ranges can be used to determine hours to assign to laboratory components of courses.

| Credit hours | Contact hours in weekly lab (based on 15-week semester and the amount of expected out-of class effort) |
|---------------------|---|
| 1 | 1 to 3 hours |
| 2 | 2 to 6 hours |
| 3 | 3 to 9 hours |
| 4 | 4 hours and above |


Whereas courses taught with an online/blended format may not have specific seat time expectations, they maintain comparable quality and student learning outcomes. College courses taught in a shorter period of time than regular semester courses described in this catalog shall meet the same number of hours for both lecture and laboratories as required if offered on a semester or summer session basis.

Some courses include clinical contact hours that represent the number of hours per week the course will meet in clinical experiences outside the classroom (i.e., nursing, physical therapy, etc.). Normally clinical hours will require three or more hours per week per hour of credit.


Courses with no standard lecture or laboratory contact hours indicate class time is spent outside the normal classroom environment (i.e., field study, internships, practicums, research, service learning, supervised teaching, thesis, etc.). The numbers of credit and contact hours associated with the course are determined by the department.




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<https://graduate.missouristate.edu/Catalog/Credit-Hours-and-Semester-System.htm>

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Diploma

Op3.04-21 Diploma/University Certificate (https://www.missouristate.edu/Policy/Op3_04_21_Diploma.htm)

The diploma/certificate is provided to students approximately four to six weeks after the end of the semester of graduation if all graduation requirements have been met. Any hold preventing the release of a student's transcript will also prevent the release of a student's diploma/certificate.

The diploma lists the degree earned, major(s), and the scholastic honors attained at the end of the semester of graduation. Options within majors and minors are not recorded on the diploma but are on the transcript. Students completing multiple majors in the same degree in the same semester will only receive one diploma listing all majors.

The certificate lists the level (undergraduate or graduate) and the name of the program of study.

The student name listed on a diploma or certificate must match a name on file in the University's student information system, which will be available to select in the application to graduate process. Information on adding or changing a name in the system is available in the [Change of Student Legal Information and Status Policy](https://www.missouristate.edu/Registrar/Catalog/legalinformation.html) (<https://www.missouristate.edu/Registrar/Catalog/legalinformation.html>).





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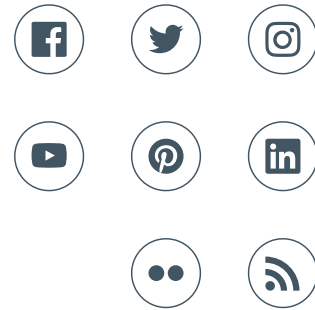


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<https://graduate.missouristate.edu/Catalog/Diploma.htm>

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Enrollment Status

Op3.04-24 Enrollment Status/Reduced Course Load Policy.

(https://www.missouristate.edu/Policy/Op3_04_24_EnrollmentStatus.htm).

Enrollment status may be reported to external agencies such as the National Student Clearinghouse. Audited classes are excluded when determining enrollment status. For official reporting purposes, Missouri State uses the following definitions:

Full-Time. Undergraduate students carrying 12 or more credit hours and graduate students carrying 9 or more credit hours in the fall or spring semester are considered full-time students. Undergraduate and graduate students carrying 6 or more credit hours during the summer session are considered full-time students.

Three-Quarter Time. Undergraduate students carrying 9-11 credit hours and graduate students carrying 7-8 credit hours during a fall or spring semester are considered three-quarter time students. Undergraduate and graduate students carrying 4-5 credit hours during the summer session are considered three-quarter time students.

Half-Time. Undergraduate students carrying 6-8 credit hours and graduate students carrying 5-6 credit hours during a fall or spring semester are considered half-time students. Undergraduate and graduate students carrying 3 credit hours during the summer session are considered half-time students.

Less Than Half-Time. Undergraduate students carrying less than 6 credit hours and graduate students carrying less than 5 credit hours during a fall or spring semester are considered less than half-time students. Undergraduate and graduate students carrying less than 3 credit hours during the summer session are considered less than half-time students.

Reduced course load policy

The University complies with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act of 1973. These laws mandate that the University provide academic accommodation for students with disabilities.

The purpose of the reduced course load policy is to allow for case-by-case consideration of requests that students with disabilities be considered full-time, three-quarter time, or half-time when taking a reduced course

load due to their disability. Students must petition for this accommodation each academic year. Students obtaining approval under this policy will adhere to the current fee structure of the University, but will be considered full-time or half-time and entitled to all of the services, benefits, rights and privileges of their status. Students must be enrolled in a minimum of 6 credit hours to be approved for full-time status, 4-5 credit hours to be approved for three-quarter time status, and 3 credit hours to be approved for half-time status.




Reduced course load requests, with supporting documentation, shall be submitted to the Director of the Disability Resource Center. Supporting documentation must include a diagnostic evaluation from an appropriate professional that permits evaluation of the current need for accommodation. The Director shall review potential consequences of reduced course load with the student, including slower progress toward graduation, changes in financial aid, and changes in University billing. The Director shall encourage the student to explore potential external consequences of a reduced course load, including changes in vocational rehabilitation funding and federally regulated financial aid.

The Director shall submit the student's request, with supporting documentation, to the Office of the Provost for disposition. If the request is approved, the Office of the Registrar shall ensure that enrollment status is accurately noted on the student's record and accurately reported.



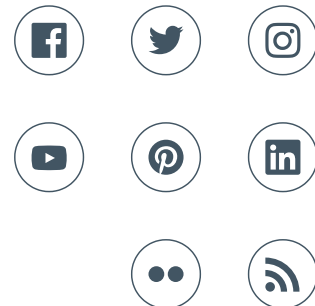
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Final Examination Period


[Op3.04-25 Final Examination Period \(https://www.missouristate.edu/Policy/Op3_04_25_FinalExaminationPeriod.htm\)](https://www.missouristate.edu/Policy/Op3_04_25_FinalExaminationPeriod.htm)

A two-hour final examination period is scheduled for each course. This final examination period is used either for administration of final examinations or for other appropriate course terminating activities. If students must reschedule final exams because of extenuating circumstances or if they have more than three finals on the same day, they should attempt to resolve their need to reschedule by contacting the instructor(s) one week prior to the scheduled exam time. If this process is unsuccessful, the student may file a written appeal to the associate provost for student development and public affairs for assistance in reaching a satisfactory resolution.





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Grade Appeals and Academic Grievances

Op3.04-28 Grade Appeal and Academic Grievances

(https://www.missouristate.edu/Policy/Op3_04_28_GradeAppealandAcademicGrievances.htm)

A student may request that an assigned grade be changed in accordance with the following procedures. **The change must be requested prior to the end of the semester (excluding summer) following the term in which the grade was assigned.** This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

Student evaluations and assignments of final course grades are the responsibility of the faculty. The faculty member is accountable for any and all grades assigned to students; therefore, each faculty member shall maintain records to support student evaluations and grades.

Students who have reasons which can be substantiated to request grade changes must:

1. write a formal letter to the instructor (or to the appropriate department head if the instructor is no longer on campus) requesting a re-evaluation of their performance in the course; and
2. provide the following information in the letter: name and BearPass Number; course number, title, and section; semester and year taken; name of instructor; and a clear statement of the grade change request and reasons which justify the request.

Faculty members, upon receipt of a student's request for a grade change, will review their records. If it is determined that a student's request is justified, the faculty member will prepare a Grade Change Authorization and submit it to the department head, who will forward it to the Office of the Registrar. If the grade change is in a course taken for graduate credit, the department head must also notify the Graduate College. **A faculty member may not change an F grade to a W grade in those cases in which the student did not follow the proper procedures for dropping the course.**

The student can appeal a negative decision of a faculty member. The steps in the appeal process are as follows:

1. present the appeal first to the faculty member's department head;
2. then to the college dean;
3. next to the Dean of the Graduate College, if the appeal is in a course taken for graduate credit;
4. then to the Provost, who may refer the appeal to his/her designee for a hearing and recommendation;
5. finally, to the President of the University.

At any step of the appeals process, any of the above individuals can authorize a grade change, and must notify the involved individuals of their action (i.e., the department head must notify the student and the faculty member of his/her decision; the college dean must notify the department head, faculty member, and student of his/her decision; the Graduate Dean, in the case of a graduate course, must notify the college dean, department head, faculty member, and student; the Provost or designee is responsible for notifying the college dean, department head, faculty member, and student of his/her decision. If the request for grade change is appealed to the final step, the President will take action deemed appropriate and so inform the Provost, college dean, department head, faculty member, and student. It is solely the student's responsibility to appeal in the order specified at each step of the process, and the student may halt the appeal at any step.

To appeal an attendance-related grade reduction, the appeal process that is part of the Attendance Policy must be followed. That appeal process can be found in the section describing the Attendance Policy.

Requests for grade changes made after an extended period

Appeals for changes in a student's academic record that are not made within one semester (excluding summer) of receipt of grades must be submitted to the Office of the Provost. Those appeals with documented exceptional circumstances will be considered on a case-by-case basis by the Scholastic Standards and Revision of Records Committee, and the committee will make its recommendation to the Provost.

Grade re-evaluation based on exceptions to University policy

In those cases in which the grade received by the student is the result of the University policy (e.g., an F resulting from failure to remove an Incomplete grade in the time allowed or failure to officially drop a course) rather than a faculty member's evaluation of performance in a course, the student's written appeal must be directed to the Office of the Provost within one calendar year of receipt of grade(s). Such appeals will be considered by the Scholastic Standards and Revision of Records Committee, and the Committee will make its recommendation to the Provost.

This process should not be used for students appealing a grade of F or XF assigned due to academic dishonesty. Refer to Academic Integrity Policies and Procedures and to the Student Academic Integrity Policies and Procedures document.

Failure to satisfy academic standards of university, college or department

The University's colleges and departments have authority to set standards for admission of students to their programs or may deny enrollment for failure to satisfy academic standards or course/program prerequisites, even though no violation of disciplinary standards is involved. Except to the extent that cheating or plagiarism is

involved, such standards are beyond the primary scope of this document. The University *Undergraduate Catalog* and/or *Graduate Catalog* and relevant advisement centers or deans' offices should be consulted for academic standards and for the process of requesting a waiver(s) or appeal(s) of a decision(s) involving those standards.





Financial aid or scholarships

For disputes related to the awarding or renewal of financial aid or scholarships, the student should consult the Financial Aid Office or the particular college or department under which the award is granted to ascertain the appropriate channel of inquiry. Also the student should obtain a copy of the scholarship eligibility criteria. Such disputes can be referred for appellate review only upon the recommendation of the Vice President for Student Affairs or the Provost or their designee. Where the grounds for denial of a scholarship or financial aid involves academic dishonesty, the matter should follow the procedure described for "Academic Dishonesty by Student Enrolled in a Course."



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Grade Point Average

Op3.04-29 Grade Point Average (https://www.missouristate.edu/Policy/Op3_04_29_GradePointAverage.htm)

Undergraduate and graduate grade point averages are maintained. A student's Missouri State grade point average is based only on courses completed at Missouri State. A combined grade point average, based on work completed at Missouri State and in transfer, is also maintained by the office of the registrar. This combined grade point average is used in determining a student's academic standing and eligibility for graduation and scholastic honors at graduation. Refer to the sections on "[Academic Status](https://www.missouristate.edu/Registrar/Catalog/acstat.html)" (<https://www.missouristate.edu/Registrar/Catalog/acstat.html>)" and "[Scholastic Honors](https://www.missouristate.edu/Registrar/Catalog/schlhnrs.html)" (<https://www.missouristate.edu/Registrar/Catalog/schlhnrs.html>)" as well as the individual degree and program descriptions for more details on grade point average requirements.


Grade point average is calculated by dividing the total quality points earned by the total credit hours attempted. The semester grade point average is calculated by dividing the quality points earned for the semester by the credit hours attempted for the semester. See "[Grading and the Credit Point System](https://www.missouristate.edu/Registrar/Catalog/grades.html)" (<https://www.missouristate.edu/Registrar/Catalog/grades.html>)" and "[Repeat Policy](https://www.missouristate.edu/Registrar/Catalog/repeat.html)" (<https://www.missouristate.edu/Registrar/Catalog/repeat.html>)" sections for more details on grade point average calculation. The grade point average of graduate and nondegree-seeking students is based only on graduate level courses (those numbered 600 and above). If a graduate student enrolls in undergraduate courses, grades earned in those courses will be included in the calculation of the undergraduate grade point average.




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<https://graduate.missouristate.edu/Catalog/Grade-Point-Average.htm>

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Grade Requirements


Op3.19-9 Grade Requirements for Degree (https://www.missouristate.edu/Policy/Op3_19_9_GradeRequirements.htm)

No course with a grade "C-" or below may be applied toward a graduate degree or graduate certificate. A graduate student becomes ineligible to continue in the current graduate program if more than 9 semester hours of "C+" or lower are earned in graduate courses taken in the degree program, or if the student does not meet any additional specific degree retention requirements imposed by a department or program.





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<https://graduate.missouristate.edu/Catalog/Grade-Requirements.htm>

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Grading and the Credit Point System

Op3.04-31 Grading and the Credit Point System (https://www.missouristate.edu/Policy/Op3_04_31_CreditPointSystem.htm).

Note: This version of the policy is **effective August 21, 2017**. Contact the [office of the registrar](https://www.missouristate.edu/Registrar/) (<https://www.missouristate.edu/Registrar/>) for the version in effect through August 20, 2017.

Faculty are required to provide final grades for all classes and mid-semester grades for 100 and 200 level full-semester courses each semester. (Faculty have the option of providing mid-semester grades for other full-semester courses as well). Final and mid-semester grade reports are available to students online. Grades are awarded to indicate the quality of a student's work and are assigned as follows. Transfer grades begin with a "T" and are listed next to the MSU equivalent grade in the chart below.

| Grade MSU / Transfer Equivalent | Interpretation | Counts in Credit Hours Earned | Grade or Quality Points Per Credit Hour | Counts in GPA Hours (used to calculate GPA) |
|--|--|---|---|--|
| A / TA | Outstanding work. <i>Outstanding achievement relative to the level necessary to meet course requirements. Performance was of the highest level. Excellence while meeting course objectives was sustained throughout the course. Not only was the student's performance clearly and significantly above satisfactory, it was also of an independent and creative nature.</i> | Yes | 4.00 | Yes |
| A- / TA- | Excellent work. <i>Excellent achievement relative to the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.</i> | Yes | 3.70 | Yes |
| B+ / TB+ | Near excellent work. <i>Achievement was significantly above the level necessary to meet course requirements. Performance was clearly and significantly above satisfactory, and was creative and independent.</i> | Yes | 3.30 | Yes |

| Grade MSU / Transfer Equivalent | Interpretation | Counts in Credit Hours Earned | Grade or Quality Points Per Credit Hour | Counts in GPA Hours (used to calculate GPA) |
|--|---|--|--|--|
| B / TB | Very good work. Achievement significantly above the level necessary to meet course requirements. Performance was very good, although not of the highest level. Performance was clearly and significantly above satisfactory fulfillment of course requirements (For undergraduate students: B = meritorious; For graduate students: B = adequate). | Yes | 3.00 | Yes |
| B- / TB- | Good work. Achievement at a level just above that necessary to meet course requirements. Performance was notable. | Yes | 2.70 | Yes |
| C+ / TC+ | Slightly above satisfactory work. Achievement that meets the course requirements. Performance was slightly more than adequate. | Yes | 2.30 | Yes |
| C / TC | Satisfactory work. Achievement that meets the course requirements. Performance was adequate, although marginal in quality (For undergraduate students: C = adequate; For graduate students: C = inadequate). | Yes | 2.00 | Yes |
| C- / TC- | Slightly below satisfactory work. Achievement that barely meets the course requirements. Performance has been slightly below satisfactory and was marginal in quality. A C- will not fulfill a prerequisite of a C or better on any course, nor will it meet a C or better requirement on a major. | Yes | 1.70 | Yes |
| CR / TE | Credit by Prior Learning Assessment. Student receives credit for the course from credit by assessment or examination. Prior to fall 2017 such credit was recorded with a grade of P or TP. | Yes | 0.00 | No |
| D+ / TD+ | Passing work. Achievement below satisfactory in meeting course requirements. Student demonstrated below satisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit. | Yes | 1.30 | Yes |
| D / TD | Minimum passing work. Achievement barely worthy of credit. Student demonstrated unsatisfactory achievement in meeting course objectives, yet fulfilled a sufficient enough portion of the course objectives that repeating the course is not necessary unless required by the academic unit. | Yes | 1.00 | Yes |
| F / TF | Failed – no credit. A failure to meet course requirements. The work of course objectives were either: 1) completed but not at a level of achievement that is worthy of credit, or 2) have not been completed and there was no agreement between the instructor and the student that the student would be awarded an "I" (incomplete). | No | 0.00 | Yes |
| I | Incomplete. Grade assigned when due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. (Refer to Incomplete Grade policy for more information.) | No | 0.00 | No |
| IP | In Progress course. | No | 0.00 | No |


| Grade MSU / Transfer Equivalent | Interpretation | Counts in Credit Hours Earned | Grade or Quality Points Per Credit Hour | Counts in GPA Hours (used to calculate GPA) |
|---------------------------------|--|-------------------------------|---|---|
| NG | Grade Not Yet Available/Extended Course. Grade assigned for extended course which has not yet ended. | No | 0.00 | No |
| NP / TT | Not Pass. Student did not pass the course under the Pass/Not Pass policy. | No | 0.00 | No |
| NR | Grade Not Yet Reported. Grade not submitted by instructor on time. | No | 0.00 | No |
| P / TP | Pass. Student passed the course under the Pass/Not Pass policy. Prior to fall 2017, credit by prior learning assessment was recorded as P or TP. Credit by prior learning assessment awarded after fall 2017 is recorded with a grade of CR or TE. | Yes | 0.00 | No |
| V | Visitor. Student completed the course under the Auditing a Course policy. No hours or points assigned. | No | 0.00 | No |
| W | Withdrew. Student withdrew from course without academic penalty. Prior to fall 2009 grade was recorded as an N. | No | 0.00 | No |
| XF/TXF | Failure due to academic dishonesty. | No | 0.00 | Yes |
| XM / XT | Academic Renewal. Grades and hours have been removed from GPA calculation. | No | 0.00 | No |
| Z | Deferred grade. Assigned only to students enrolled in 600-level or higher courses, restricted to graduate theses, graduate problem courses, or graduate seminars which might not be completed within a semester. Z grades not removed within four calendar years, will be changed to a W. | No | 0.00 | No |




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Graduation

Op3.19-10 Graduation (https://www.missouristate.edu/Policy/Op3_19_10_Graduation.htm)

The **deadline** for the Application for Graduation is **the first week of the semester** in which the student plans to graduate. A student is advised, however, to apply in advance of the semester that they intend to graduate.


1. Complete the online Graduate Application to Graduate located through [My Missouri State](#).
2. Students should work closely with the advisor to ensure that all of the degree requirements are met.
3. Students who have completed all course work and are only working on their research component may sign up for **GEN 798 (Active in Research)**. This zero credit course offered at a reduced fee (\$75) allows the following:
 - access to the library, including online services such as interlibrary loans, MOBIUS, and restricted access databases;
 - opportunity to purchase a parking permit; and
 - access to computer services and campus email.

GEN 798 is graded as "P" (pass) or "N" (if the student discontinues participation and is dropped from the course).



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Holds


Op3.04-23 Holds (https://www.missouristate.edu/Policy/Op3_04_23_Holds.htm).

A hold may be placed on a student's record for a variety of reasons such as an unpaid bill or fine, failure to return books or equipment, or failure to be admitted to a degree program within the specified time limit. Most holds will prevent a student from registering for upcoming semesters and the release of a student's transcript and diploma.





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Incomplete Grade

Op3.04-33 Incomplete Grade (https://www.missouristate.edu/Policy/Op3_04_33_IncompleteGrade.htm)

An incomplete (or "I" grade) indicates that due to unusual circumstances a small portion of a course, such as a term paper or final examination, has not been completed. If a student is unable to complete a significant part of a course, and the drop deadline has not passed, the student may drop the course and repeat it. Otherwise, a letter grade based on the work completed should be assigned per the course's grading scale. Assigning a "W" grade is not an option available to the instructor.

In each instance where an "I" grade is assigned, the instructor of the course shall, at the end of the semester in which the "I" grade is given, indicate on the Assignment of Incomplete Grade form what the student must do to complete the course and how the completed work would affect the final grade. The original copy must be filed with the appropriate department office, one copy must be given to the student, and one copy must be retained by the instructor. Students should not re-register in the course to resolve the incomplete grade. If a student re-enrolls in a course for which they have an outstanding "I" grade, the "I" grade will be changed to an "F" grade after grading has been completed for the semester of the repeat attempt and the repeat policy will apply.

An "I" grade must be removed within one calendar year after it is received, or earlier as specified by the instructor, otherwise the "I" grade automatically becomes an "F" grade. An extension of the time limit to remove an "I" grade will be made only if a written request for such extension is submitted to the Office of the Registrar by the instructor. The student should make arrangements with the instructor or the department head for completion of the work. When the work is completed, the instructor will complete a Grade Change Authorization Form online or send a Form to the Office of the Registrar for processing. The grade may be changed from an "I" grade (or from an "F" grade if the automatic change has already occurred) to the appropriate grade earned.

Members of the military (undergraduate or graduate) who re-enroll within one year of being released from military assignment shall have one year from the date of resumption of coursework at Missouri State to remove any "I" grades pending at the time of mobilization or received as a result of mobilization.

Graduating Seniors who have incomplete grades in any course used to satisfy a graduation requirement must resolve those incomplete grades by the middle of the following semester (summer for spring graduates, fall for





summer graduates, and spring for fall graduates) or they will not graduate that semester and must reapply for a future semester of graduation.



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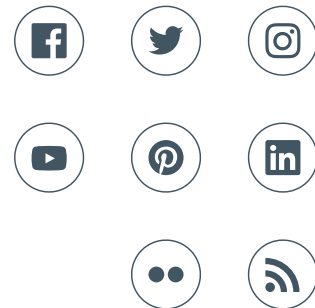
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<https://graduate.missouristate.edu/Catalog/Incomplete-Grade.htm>

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Instructor Drop


Op3.04-34 Instructor Drop (https://www.missouristate.edu/Policy/Op3_04_34_InstructorDrop.htm)

If a student does not attend by the second class meeting of a semester or summer session, and has not informed the departmental office of the intent to remain in the course, the instructor may institute proceedings to drop the student from the class. This should only be done when the space is needed for another student. A faculty member may not institute drop proceedings after the third week of class. **A student cannot drop a class merely by not attending.** The student who is dropped by the instructor will be notified of such action by the Office of the Registrar.





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Overload Permission

[Op3.04-36 Overload Permission \(https://www.missouristate.edu/Policy/Op3_04_36_OverloadPermission.htm\)](https://www.missouristate.edu/Policy/Op3_04_36_OverloadPermission.htm)

Permission must be obtained for hours taken over the maximum allowed as per the student's level. Courses for which a student is enrolled on an audit basis are counted in hours for an overload.

Undergraduate students

Maximum*: 18 hours for fall or spring semesters. Maximum of 10 hours for summer sessions. Upon the recommendation of their advisors, students who have a 3.00 or higher GPA for a semester in which a minimum of 15 hours is carried may request permission for an overload from the dean of their college.

Obtain overload permission from: Dean of college of student's major. If major is undecided, then Associate Provost for Student Development and Public Affairs.

Graduate students

Maximum*: 16 hours for fall or spring semesters. Maximum of 10 hours per summer sessions. Also, nondegree-seeking students (excluding those seeking teacher certification) may not enroll in more than nine total hours of graduate-level courses including completed, in-progress and registered without permission from the Dean of the Graduate College.

Obtain overload permission from: Dean of the Graduate College.

Precollege students

Maximum*: Nine hours for fall or spring semesters; six hours for summer semester.

Obtain overload permission from: If enrolled in the high school based (dual credit) Program, obtain permission from The Extended Campus. If enrolled in the campus based (dual enrollment), obtain permission from the Associate Provost for Student Development and Public Affairs.




* Hours for fall include fall intersession; hours for spring include winter intersession; hours for summer include summer intersession



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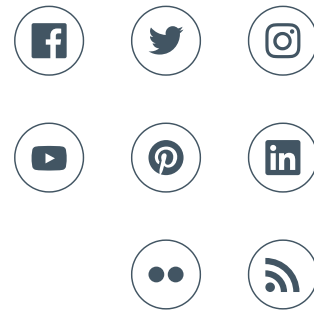
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<https://graduate.missouristate.edu/Catalog/Overload-Permission.htm>

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Pass/Not Pass Grading Option

[Op3.04-37 Pass/Not Pass Grading Option \(https://www.missouristate.edu/Policy/Op3_04_37_PassNotPass.htm\)](https://www.missouristate.edu/Policy/Op3_04_37_PassNotPass.htm)

The Pass/Not Pass grading option is intended to provide students an opportunity to pursue specialized or outside interests without penalty or reduction of grade point average. It allows students a greater degree of participation in those courses than the audit system permits. Students earning a passing grade in courses for which they were enrolled on a Pass/Not Pass basis are given a “P” grade; those failing will receive a grade of “NP”. Pass and Not Pass grades are not used in calculating grade point averages. To place a course on Pass/Not Pass, students must complete a form in the Office of the Registrar, Carrington Hall 320, any time prior to the “W” grade deadline for that course.

Caution: Prerequisite requirements of other courses may not be met with a course completed on a Pass/Not Pass basis. The decision to take a course on a Pass/Not Pass basis cannot be reversed.

Students may take courses on a Pass/Not Pass basis under the following conditions:




1. Courses taken under the Pass/Not Pass option cannot be used to satisfy general education, major, minor, professional education, or specific degree requirements. Courses taken under the Pass/Not Pass option can be counted towards the 120 minimum credit hours and 40 hours of upper-division credit hours (as applicable) required for completion of a baccalaureate degree unless otherwise restricted.
2. Honors classes cannot be taken on a Pass/Not Pass basis.
3. The Pass/Not Pass option is not available as a choice to graduate students for graduate-level courses (600 or above). Departments may elect to offer certain non-didactic graduate courses (e.g., readings, special problems, independent study, clinical internships, research and thesis) on a Pass/Not Pass only basis.
4. Courses which are graded Pass/Not Pass only are exempt from the limitations otherwise imposed upon students by Pass/Not Pass regulations.
5. If a Pass/Not Pass student does not attend class regularly or does not fulfill agreed-upon expectations, the instructor may direct the Office of the Registrar to drop the student from the class.



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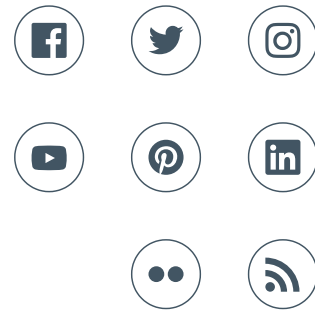
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<https://graduate.missouristate.edu/Catalog/Pass-and-Not-Pass.htm>

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Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders

[Op3.04-48 Policy for Military Students and Dependents Regarding Class Drops and Refunds Associated With Active Orders \(https://www.missouristate.edu/Policy/Op3_04_48_WithdrawalPoliciesforMilitary.htm\)](https://www.missouristate.edu/Policy/Op3_04_48_WithdrawalPoliciesforMilitary.htm)

In keeping with our commitment to serving military members and their families, Missouri State University has developed the below policies which will apply to service members as well as spouses and children of mobilized service members.

Whenever possible, normal procedures for dropping all classes (withdrawing) should be followed (see [Op3.04-10 – Change of Schedule \[Add/Drop\]](https://www.missouristate.edu/Registrar/Catalog/chnsched.html) (https://www.missouristate.edu/Registrar/Catalog/chnsched.html)). However, if a student is unable to follow these procedures due to special circumstances the University will accept documentation from a family member of the student. Appropriate documentation (such as orders) must be provided at time of drop.

Refunds

- **Tuition/Fees.** Students who drop one or more classes during a semester due to required military service will receive a 100% credit on their account for their tuition and student service fees (supplemental fees will not be refunded) at the time of the drop regardless of regular refund schedule.
- **Parking.** If required military service occurs prior to finals and the student must drop all classes a full refund of parking fees will be credited to the student's account for that semester. If required military service occurs after finals and the student has purchased an academic year pass a full refund for the future semesters charges will be credited to the student's account. Veteran Student Services will notify Parking Administration upon request from student at time of drop for refund to student account.

- **Books.** Students who must drop all classes may receive a full refund for text books purchased at the University Bookstore. Students must request a letter from Veteran Student Services confirming military drop which should be presented to the bookstore along with the books for full refund.
- **Housing.** Students who must drop all classes may receive a prorated refund for housing based on the actual number of days room and board was used prior to drop. Veteran Student Services will notify Residence Life and Services upon request from student at time of drop for refund to student account.

Grading

Should students be mobilized at such a point in the semester that the course instructor believes that they have completed a majority of the material in their class, the instructor may assign a passing grade or initiate an “I” grade. If a passing or “I” grade is not assigned, the student will receive a W grade, even if the withdrawal took place after the last day to drop or withdraw deadline. Students will receive a 100% refund only for those classes that are officially processed as a withdrawal.

Other

Graduate students who drop all classes and have assistantships can expect their stipend to end effective the day of the drop.

All other withdrawal policies indicated in [Op3.04-10](https://www.missouristate.edu/Registrar/Catalog/chnsched.html) (<https://www.missouristate.edu/Registrar/Catalog/chnsched.html>) apply to military students/dependents as they do for any other student.



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Prerequisites


[Op3.04-38 Prerequisites \(https://www.missouristate.edu/Policy/Op3_04_38_Prerequisites.htm\)](https://www.missouristate.edu/Policy/Op3_04_38_Prerequisites.htm)

The student is responsible for having the appropriate prerequisites prior to enrollment in a course. Prerequisites are indicated in the University Catalog and the web class schedule and will be enforced at the time of registration. If any academic department determines that a student does not have the appropriate prerequisites for a course, registration for the course *may* be cancelled either prior to or after classes begin. Any questions concerning the prerequisites should be answered by consulting the current catalog or by contacting the academic department offering the course.





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<https://graduate.missouristate.edu/Catalog/Prerequisites.htm>

Missouri State

Graduate College

Graduate Catalog

Registration

[Op3.04-39 Registration \(https://www.missouristate.edu/Policy/Op3_04_39_Registration.htm\)](https://www.missouristate.edu/Policy/Op3_04_39_Registration.htm)

The University allows currently enrolled, admitted, and readmitted/reinstated students to register well in advance of the beginning of each semester. Students can check their registration status online through [My Missouri State \(https://my.missouristate.edu/\)](https://my.missouristate.edu/). New students are informed of registration opportunities with admission materials. Evening, online and nondegree-seeking students may seek additional registration assistance through [Missouri State Outreach \(https://outreach.missouristate.edu/\)](https://outreach.missouristate.edu/).

Students who meet any one of the following criteria are required to obtain advisor release each semester prior to registration:

1. Undergraduate students who have earned fewer than 75 undergraduate credits. Since these are earned credits, in-progress credits do not apply.
2. Undergraduate students who have obtained fewer than three prior spring or fall advising releases.
3. Undergraduate students on academic probation.
4. Graduate students.

Students who are in good academic standing and plan to return within one calendar year under the same classification do not require readmission for registration. Students who have University holds that restrict registration are not permitted to register for any succeeding semester or summer term until such holds have been removed.

Individuals intending to participate in a class are not permitted to attend unless they are officially registered in those classes. Exceptions must be approved by the instructor and department head of the course, in consultation with the Office of the Registrar. Visitors, without the expectation of receiving class credit, may attend class sessions on a limited basis at the discretion of the instructor.





Once enrolled, students are required to withdraw from their courses if they will not be able to attend. Failure to do so will result in failing grades and continued financial obligations. See "[Procedures for Adding and Dropping Classes \(and Withdrawing\)](https://www.missouristate.edu/Registrar/add-droprocedures.htm)" section.



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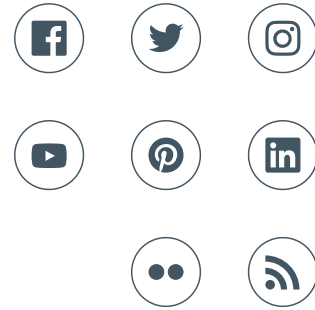
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Missouri State

Graduate College

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Repeat Policy

Op3.04-40 Repeat Policy (https://www.missouristate.edu/Policy/Op3_04_40_RepeatPolicy.htm).

A student may repeat any of the courses that he or she has taken at Missouri State University. All attempts at the course and the grades earned (including those resulting in a W, I, and Z) appear on the transcript. The grade from the most recent attempt at the course, including the repeat of a Pass/Not Pass grade with a standard letter grade, (though not a W, I, or Z) will be the one that counts in GPA calculations. For example, if a student takes the course four times and gets a P, B, C, and W, in that order, then the C would be their official grade that would be used when calculating the student's grade point average. Also, a course that has been repeated will only be counted once in the student's total credit hours earned.

This policy applies to course repeat attempts taken fall 2009 and subsequent semesters. When the most recent repeat attempt was taken prior to fall 2009, the policy published in the 2008-09 Undergraduate Catalog will be applied.

The repeat policy is applicable to transfer credit as well as credit earned at Missouri State. For example, if a student earns a C in a course at Missouri State and repeats an equivalent course at another institution, the C will be removed from the calculation of the Missouri State GPA. The transfer grade, however, will be included only in the transfer and combined grade point averages. See Grade Equivalencies in the "Transfer Credit Policy" section of the catalog for further information.

Students should also be aware that even though a course prefix, number, and/or title changes, it is still considered the same course for repeat policy purposes. The Office of the Registrar maintains the complete listing of course prefix and number changes and should be contacted for such questions.

Students should also be aware that many graduate and professional schools recalculate GPAs taking into account every grade that appears on a transcript.



Students who are receiving financial aid must consider the impact of repeating classes on their eligibility for financial aid for future semesters. While repeated courses are counted when determining a student's enrollment status and annual satisfactory progress, students who fail to progress toward graduation (i.e., by increasing total hours earned) may exhaust their aid eligibility prior to graduation.



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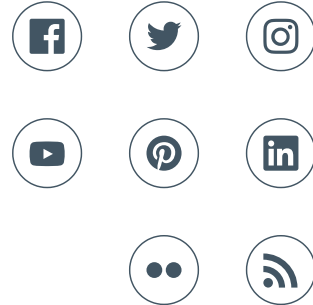
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<https://graduate.missouristate.edu/Catalog/Repeat-Policy.htm>

Missouri State

Graduate College

Graduate Catalog

Senior Permission for Graduate Credit

[Op3.04-51 Undergraduate Students Taking Graduate Credit](https://www.missouristate.edu/Policy/Op3_04_51_Undergraduate_Students_Taking_Graduate_Credit.htm)

(https://www.missouristate.edu/Policy/Op3_04_51_Undergraduate_Students_Taking_Graduate_Credit.htm)

Undergraduate students have three options for taking graduate credit prior to completion of a bachelor's degree:

Mixed Credit (Accelerated Graduate Programs): Students admitted into an approved accelerated graduate degree program may have a limited number of 600-level or higher courses counted toward both an undergraduate and graduate degree. Before enrolling in a course to be counted as both undergraduate and graduate credit (mixed credit), the undergraduate student must be accepted into the accelerated program and receive prior approval from: 1) the Graduate Program Director, 2) the Department Head of the undergraduate program, and 3) the Dean of the Graduate College. All approvals must be completed prior to the end of the Change of Schedule Period for the course(s). Although a maximum of 12 credit hours may be taken as Mixed Credit, many programs have lower limits. See the "Graduate College" section of the catalog for further information.

Mixed Credit (General): Undergraduate students who meet all the admission requirements of a graduate degree or certificate program other than the completion of a baccalaureate degree may receive permission to take up to six hours of mixed (undergraduate and graduate) credit without first being admitted to a specific graduate program. In order to qualify for this credit, the student must have completed 90 or more credit hours with a minimum cumulative GPA (MSU and combined) of 3.00. Note, however, that Individual programs may have a higher required GPA. Qualified students must receive prior approval from: 1) the Graduate Program Director of the program in which the graduate course is taken; 2) the Department Head of the undergraduate major to which the mixed credit will be applied; and 3) the Dean of the Graduate College. It should be noted that permission of the Graduate Program Director of one program does not guarantee that those approved mixed credit courses can be used in a different graduate program.

Senior Permission: Undergraduate students who have accumulated at least 90 hours from Missouri State or another accredited institution may be permitted to take a maximum of 12 credits of 600-level or higher courses





for graduate credit. Students who desire to participate in this program must receive the recommendation of the head of the department in which the course(s) are offered and the approval of the Dean of the Graduate College. To be eligible, students must have a GPA of at least 3.00 on the last 60 hours of their undergraduate course work. Students are limited to a maximum of 9 credit hours of graduate level courses and a maximum of 15 credit hours of graduate and undergraduate courses combined during a semester. Courses completed for graduate credit under Senior Permission cannot be applied toward the undergraduate degree. Graduate credit earned under Senior Permission may be applied toward a graduate degree or certificate program contingent upon approval of the Graduate Program Director.

The Graduate College and the Office of the Registrar are responsible for developing and administering procedures for students utilizing the above options. Both offices will provide information on the procedures through their websites.



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<https://graduate.missouristate.edu/Catalog/Senior-Permission.htm>

Missouri State

Graduate College

Graduate Catalog

Student Legal Information and Status

[Op3.04-35 Change of Student Legal Information and Status \(https://www.missouristate.edu/Policy/Op3_04_35_change-student-legal-information.htm\)](https://www.missouristate.edu/Policy/Op3_04_35_change-student-legal-information.htm)

Students may change legal information such as name, marital status, social security number, date of birth, sex, guardianship (parent or legal guardian) or citizenship status by submitting suitable legal documentation along with the [Change of Student Information](https://www.missouristate.edu/Registrar/studentchangeinfo.htm) form to the Office of the Registrar.

Suitable legal documentation consists of documents required by the State of Missouri to make the requested change and will vary depending on the information sought to be changed and could include, but is not limited to: driver's license, official state ID card, Social Security card, certified copy of marriage license, court order from a court of competent jurisdiction, current passport or official proof of identity certified by the U.S. embassy abroad or by the appropriate foreign embassy in the United States.

When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who last attended Missouri State University before 1985 have microfilm records. A [Change of Student Information](https://www.missouristate.edu/Registrar/studentchangeinfo.htm) form is available online.

Students are expected to keep addresses, phone numbers, personal email addresses, and emergency contact information up-to-date. The Change of Student Information form is not intended to update a student's contact information or emergency contact. Updates to students' contact information or emergency contact must be done through the [Change of Student Contact Information](https://www.missouristate.edu/Registrar/studentcontactinformationchanges.htm) form.

All current and previous names, addresses, phone numbers, and email addresses are permanently maintained as part of the student's record.


The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a student information change.




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
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<https://graduate.missouristate.edu/Catalog/legalinformation.htm>

Missouri State

Office of the Registrar

Undergraduate Catalog

Requesting a Transcript from Missouri State University to be Sent Elsewhere

[Op3.04-44 Transcript \(/Policy/Op3_04_44_Transcript.htm\)](#)

A transcript is a chronological listing of student's academic record at Missouri State University. A [transcript guide \(/Registrar/transcriptguide.htm\)](#) is available which defines the information that appears on the transcript. A printed transcript is considered official when produced by the Office of the Registrar bearing the University Seal and signature of the University registrar. An electronic transcript is considered official when it is sent by the University through an approved electronic transmission method.


The Office of the Registrar will be responsible for establishing and communicating the procedure for requesting a transcript. A transcript fee and fees for special requests (e.g., overnight delivery) will be charged in accordance with the [Fee Schedule \(/Costs/\)](#). Official transcripts will not be released for students who have a University hold in accordance with the [hold policy \(/Registrar/Catalog/hold.html\)](#). Students with a hold may view and print their unofficial transcript via [My Missouri State \(https://my.missouristate.edu/\)](#).

Procedures for Requesting a Transcript





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<https://www.missouristate.edu/Registrar/Catalog/transcripts.html>

Missouri State

Graduate College

Graduate Catalog

Transfer Credit Policy

[Op3.19-7 Graduate Transfer Credit \(https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm\)](https://www.missouristate.edu/Policy/Op3_19_7_TransferCredit.htm)

On a case-by-case basis, Missouri State may accept graduate credit earned at other regionally accredited institutions or well-established international institutions. Acceptance of transfer credits on a graduate degree program occurs through recommendation of the student's major advisor and approval of the Graduate College. Transfer hours may count for up to 30% of the required hours for a degree. The policy on transfer credit also applies to students who are currently enrolled in, but have not completed, a graduate degree program at another institution. As with all credits applied toward a graduate degree, transfer credits must have been earned within the eight-year time limit for a degree program. Grades on transfer courses accepted in the degree program are included in the overall graduate grade point average.


Collaborative Agreements

The limitation on transfer credit may be superseded when the university develops a collaborative agreement with another institution for delivery of an academic program. In cases where Missouri State University shares program responsibility with another institution, both institutions may teach courses that might be applied to a degree program. For more information on a specific program, see the appropriate section of the catalog.



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<https://graduate.missouristate.edu/Catalog/Transfer-Credit-Policy.htm>

Missouri State

Graduate College

Graduate Catalog

Veterans Benefits


In compliance with the Veterans Benefits and Transition Act of 2018, Missouri State will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his or her financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs provided the student.




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Missouri State


Graduate College

Graduate Catalog

William H. Darr College of Agriculture

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Agriculture \(MS\)](#) 

[Natural and Applied Science with an emphasis in](#)

[Agriculture \(MNAS\)](#) 

[Plant Science \(MS\)](#) 

[Secondary Education: Agriculture Area of Emphasis \(MSEd\)](#)

Certificates

[Agricultural Business and Economics](#) (Certificate)

[Ranch Management](#) (Certificate)

General Information

Contact

At the William H. Darr College of Agriculture, we integrate excellence in teaching, service and research into each of our nine undergraduate and three graduate programs. You will be able to follow your passion in a number of agricultural disciplines through courses that provide specialization in your program and broad-base knowledge crucial to all agriculture areas.

Whether through internships, laboratory experiences or research opportunities, the College of Agriculture provides hands-on learning opportunities to expand your working knowledge of agriculture issues to better serve your community and organizations as both a student and professional.

Center for Grapevine Biotechnology

The [Center](https://ag.missouristate.edu/CGB/) (<https://ag.missouristate.edu/CGB/>) explores genetic resources and identifies health-promoting compounds in diverse grapevine species for securing the profitability and sustainability of the grape and wine industry and for improving human health.

Darr Agricultural Center

Missouri State's [William H. Darr Agricultural Center](https://ag.missouristate.edu/Facilities.htm) (<https://ag.missouristate.edu/Facilities.htm>), located on a 100-acre site in southwest Springfield, is a unique asset that supports the College of Agriculture's diverse programs.

Agriculture is a key economic component of the region. The food, fiber, and renewable resources that traditional agriculture provides are basics required for life. Missouri State's metropolitan location and the Darr Agricultural Center provide a unique opportunity to demonstrate the interactions between traditional agriculture's rural origin and the more urban setting of modern America. The Darr Agricultural Center serves as a laboratory and field experience classroom for the study of livestock management, equine studies, horticulture, agronomy, animal science, and wildlife conservation and management. An additional benefit of the Center is that it provides agricultural/green space within the rapidly expanding Springfield metropolitan area.

State Fruit Experiment Station

The [State Fruit Experiment Station](https://ag.missouristate.edu/StateFruit/) (<https://ag.missouristate.edu/StateFruit/>), operated on the Mountain Grove Research Campus, has a statewide mandate by law to generate knowledge through research, and to disseminate this knowledge for the economic development of the Missouri fruit industry. In addition to carrying out research, conducting advisory education programs, and teaching courses, the faculty are available to guide graduate students in their thesis research.

Dean

Ronald Del Vecchio

Office

Karls Hall, Room 201

Phone

417-836-5638

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417-836-6979

Email

Agriculture@missouristate.edu
(<mailto:Agriculture@missouristate.edu>)

Website

ag.missouristate.edu
(<https://ag.missouristate.edu/>)


Research is carried on in pomology, enology, viticulture, plant pathology, entomology, molecular genetics, and plant physiology. The fruit crops under investigation include apples, grapes, blueberries, peaches, strawberries, blackberries, and raspberries, as well as species of lesser economic importance. Information derived from the Station's research is disseminated through advisory programs to fruit growers and processors throughout Missouri.

The Station is the site of extensive testing of new fruit varieties and selections for their adaptability to Missouri soil and climate and resistance to diseases. Research on the culture of fruit crops is carried out on nutrient and water requirements, pruning and training systems, growth regulators, and rootstocks. Plant pathogens and insect pests are studied for clues which may help in reducing their damage to fruit crops. A program in genetic engineering has the improvement of fruit varieties as the major goal.





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Missouri State

Graduate College

Graduate Catalog

Natural and Applied Science (Interdisciplinary Program)



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Graduate programs

Natural and Applied Science

Director: **Kyoungtae Kim**

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assistships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.





Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



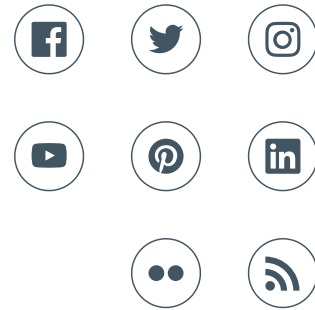


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Graduate programs

Master of Science, Agriculture

Arbindra Rimal, Program Director

Karls Hall, Room 219; Phone 417-836-5094

arbindrarimal@missouristate.edu (mailto:arbindrarimal@missouristate.edu)

Program description

Advanced interdisciplinary degree combining sub-specialty areas in agriculture including agriculture economic/business, agriculture education, agriculture communication, animal science, natural resources, and horticulture.

Admission requirements

1. Meet all Missouri State University [Graduate College admission requirements](#).

2. A bachelor's degree in Agricultural relevant discipline from a college or university accredited by agencies recognized by Missouri State University;
3. AND a cumulative grade point average of at least 2.75 on a 4.00 scale, OR at least a 2.75 grade point average on a 4.00 scale for the last 60 hours of academic course work; OR have a combined score of 290 (875 under the old scoring system before August 1, 2011) on the verbal and quantitative sections of the Graduate Record Examination; OR you may be admitted on a provisional basis and required to complete prerequisite courses before advancing through the agricultural sciences graduate program.
4. Receive a positive evaluation from the Director of the Agriculture Graduate Committee that is dependent upon having an accepting advisor.
5. Complete the [Statement of Interest form](#) indicating specialty areas.

International Students: Submit your score for the Test of English as a Foreign Language (TOEFL) of 79 on the internet-based test.

Follow these steps to apply to the Master of Science in Agricultural Sciences program:

1. Complete and submit a Graduate Application.
2. Pay the \$55 application fee
3. Submit one copy of your official transcripts
4. Complete the [Statement of Interest form](#) indicating specialty areas.

Admission Requirements for the Accelerated Master's option

To qualify for admission into the accelerated master's program, you must meet these criteria:

1. Hold junior or senior standing with at least 60 credit hours
2. Have a cumulative GPA of at least 3.25
3. Complete a minimum of 25 credit hours of undergraduate hours relevant to the emphasis area (of animal sciences; agricultural business, education, or communications; or natural resources).
4. Be accepted by an advisor who is a faculty member in the College of Agriculture who is a Missouri State Graduate Faculty Member.
5. Receive approval by the coordinator of the Agricultural Sciences Graduate Program.

Accelerated Master's Degree option

Once admitted into the accelerated master's program, one may take up to 12 credit hours in courses numbered 600 and above to receive both undergraduate and graduate credit. A mixed credit form listing the courses to satisfy both undergraduate and graduate requirements must be completed during the normal registration period for the semester. Please note that mixed credit form must be completed prior to the first week of classes.

Degree requirements (32 hours)

Required Courses – 9 hours

- AGR 790: Research Methodology (3 hrs)
- AGR 797: Graduate Seminar (1 hr)
- AGR 730: Design/Analysis of Field Experiments (2 hrs)
- QBA 775: Quantitative Methods in Business Decision Making (3 hrs) OR BIO 650 Stat Methods for Biologist (3 hrs)

Research Requirement – 12 hours

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree. An oral defense of the thesis is required.

- AGR 798: Graduate Research (6 hrs)
- AGR 799: Graduate Thesis (6 hrs)

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report Form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

- AGR 798: Graduate Research (6 hrs)
- Additional Course work (6 hrs)

Graduate Internship Option: The Graduate Internship option required the completion of 6 hours of Graduate Internship and other requirements as outlined by the Graduate Advisor for the Internship option.

- AGR 796: Graduate Internship (6 hours)
- Additional Course work (6 hrs)

Specialty Area Courses and additional Elective Hours – 11 hours**Specialty Area: Natural Resources**

- AGP 675: Plant Breeding and Genetics
- AGP 730: Techniques in Plant Breeding/Advanced Plant Breeding
- AGE 628: Molecular Breeding Techniques
- AGN 725: Advanced Soils Interpretations
- AGN 655: Soil Genesis, Morphology and Classification
- AGP 665: Grain Crops for Food, Feed, and Fiber*
- AGP 685: Weed Ecology and Management*
- AGN 605: Advanced Soil Fertility
- AGP 653: Advanced Turf Science

Specialty Area: Agricultural Economics/Business

- AGB 624: Agricultural Prices
- AGB 514: International Trade
- AGB 634: Production Economics

Specialty Area: Animal Science

- AGS 611: Nutrition and Metabolism
- AGS 661: Equine Nutrition and Physiology
- AGS 712: Special Topics in Animal Science
- AGS 716: Mammalian Reproduction and Physiology
- AGS 602: Applied Animal Reproduction
- AGS 652: Advanced Beef Production*

- AGS 646: Advanced Dairy Production*
- AGS 742: Conversion of Muscle to Meat*
- AGS 701: Investigation of Livestock and Companion Animal Physiology*
- AGS 632: Sheep/Goat*
- AGS 703: Growth Physiology*

*course being developed

Additional recommended elective courses

- ECO 600: Fundamentals of Economics
- ECO 609: Applied Econometrics
- ECO 615: Public Sector Economics
- ECO 640: Economics of the Environment
- ECO 665: International Economics
- QBA 775: Quantitative Methods in Business Decision Making
- PLS 756: Financial Management of State and Local Government
- COM 712: Quantitative Research Methods in Communication
- COM 714: Qualitative Analysis in Communication

Comprehensive examination

A written qualifying examination will be administered after most of the course work has been completed. This examination must be passed by the candidate before a degree will be given.



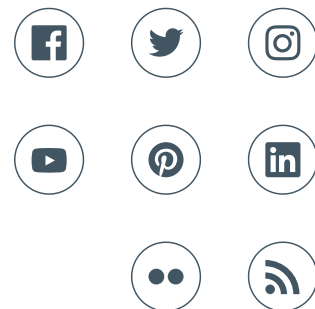
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Department of Agribusiness, Agricultural Education and Communications

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 Program can be completed online

Master's programs

[Secondary Education: Agriculture Area of Emphasis \(MSEd\)](#)

Certificates

[Agricultural Business and Economics \(Certificate\)](#)

Contact

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Agribusiness, Agricultural Education and Communications Graduate Faculty

Professors

Benjamin M. Onyango

Arbindra P. Rimal

Instructors

Nichole Busdieker-Jesse

Christine Sudbrock

Associate professor

James B. Hutter



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Missouri State

Graduate College

Graduate Catalog

Agribusiness, Agricultural Education and Communications Graduate Courses

Agricultural Business (AGB) courses

AGB 614 International Agricultural Trade

Recommended Prerequisite: AGB 334 or MKT 350. Gains from trade, agricultural trade policies of exporters and importers, exchange rates, multilateral trade negotiations, preferential trade agreements, technical barriers and environmental regulations and trade. May be taught concurrently with AGB 514. Cannot receive credit for both AGB 514 and AGB 614.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

AGB 624 Agricultural Prices

Recommended Prerequisite: AGB 334. Factors influencing the level and movement of agricultural commodity prices and prices of agricultural inputs. May be taught concurrently with AGB 524. Cannot receive credit for both AGB 524 and AGB 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

AGB 634 Production Economics

Prerequisite: AGB 144.

Application of economics of production in agricultural and business management, examination of the relationships between inputs and outputs, and impact of technology selection on business profitability. May be taught concurrently with AGB 534. Cannot receive credit for both AGB 634 and AGB 534.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGB 674 Advanced Agricultural Risk Management

Recommended Prerequisite: AGB 364. This course explores theory and practice of agricultural risk management in production, market, finance, human, legal, and institutional risk. Students will construct an applicable risk management plan while developing tools and problem solving skills in identifying ways to mitigate risk. May be taught concurrently with AGB 574. Cannot receive credit for both AGB 574 and AGB 674.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

AGB 684 Farm Business Management

Recommended Prerequisite: AGB 144. Economic principles applied to the organization and operation of agricultural units; tools of decision-making; and factor allocation. May be taught concurrently with AGB 584. Cannot receive credit for both AGB 584 and AGB 684.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

AGB 694 Agricultural Entrepreneurship

This course is designed to explore the best foundational knowledge of owning your own business within the expansive industry that is agriculture. Course will cover various facets of entrepreneurship from resource evaluation to budgets and marketing. By the end of the course, not only will each student have an understanding of entrepreneurship but will also have a completed business plan built on that knowledge. Real world applications will also be explored through guest speakers from the local agricultural community and current event discussions. While most applications will be agriculturally focused, all topics that are discussed can be applied to other sectors of the business world. May be taught concurrently with AGB 594. Cannot receive credit for both AGB 694 and AGB 594.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

Agricultural Education (AGE) courses

AGE 608 Teaching Adults in Vocational Education

Prerequisite: permission of instructor.

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGV 627 and SEC 627. Cannot receive credit for AGV 627 and SEC 627 and AGE 608. May be taught concurrently with AGE 508. Cannot receive credit for both AGE 508 and AGE 608.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGE 628 Agriculture Education-Special Topics

Prerequisite: permission of instructor.

Special study of agricultural education topics not covered in other courses. May be repeated to a maximum of five hours provided the same topic is not duplicated. May be taught concurrently with AGE 518. Cannot receive credit for both AGE 628 and AGE 518.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGE 648 Agriculture in the Classroom

Course is designed to help elementary teachers better appreciate the importance of agriculture in their student's lives and to better understand Missouri agriculture. Course stresses integration of resources available from the agricultural industry across the curriculum. May be taught concurrently with AGE 548. Cannot receive credit for both AGE 548 and AGE 648.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

AGE 658 Teaching of Agriculture

Prerequisite: SEC 302 and EDC 350 and teacher certification students must be admitted to the teacher education program.

Establishing objectives and organizing the course, selecting textbooks and equipment, securing and using teaching aids; using workbooks and notebooks, planning field trips, selecting and supervising projects. A grade of "C" or better is required in this course in order to take AGE 493 or AGE 494. May be taught concurrently with AGE 558. Cannot receive credit for both AGE 558 and AGE 658.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGE 668 Course and Program Building in Agricultural Education

Prerequisite: AGE 318 and AGE 658.

Organization and analysis of agricultural instruction courses and programs; including the adoption of resource materials to meet individual student needs. May be taught concurrently with AGE 568. Cannot receive credit for both AGE 568 and AGE 668.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGE 678 Methods of Teaching Agricultural Management

Prerequisite: AGE 318 and AGE 658.

Identification, development, and utilization of supervised agriculture experience programs in Agricultural Education that includes methods of teaching program management, record keeping, and appropriate methodologies. May be taught concurrently with AGE 578. Cannot receive credit for both AGE 578 and AGE 678.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

AGE 688 Methods of Teaching Agricultural Laboratory Management

Prerequisite: AGE 318 and AGE 658.

Prepare prospective agricultural science teachers to determine subject matter, methods of teaching, and organization of equipment and facilities as applied to agricultural laboratories in high schools. May be taught concurrently with AGE 588. Cannot receive credit for both AGE 588 and AGE 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

AGE 718 Topics in Agricultural Education

Prerequisite: permission of instructor.

Current developments and trends in teaching agricultural education as well as new developments in resources and techniques. May be repeated, however, only nine hours will count towards the graduate program of study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGE 728 Induction Year Teaching I

Prerequisite: permission of instructor.

Course for the professional development of first-year teachers of agriculture. The course focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

AGE 738 Induction Year Teaching II

Prerequisite: AGE 728.

Course for the professional development of second-year teachers of agriculture. The course is a continuation of AGE 728 and focuses on the pedagogical knowledge, skills, and attitudes and managerial skills needed by beginning teachers of agriculture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

Agriculture (AGR) courses

AGR 696 International Study in Agriculture

Faculty-led study course that will include travel to a foreign country as part of further learning of world agricultural systems. Paper and/or other classroom-related work required in addition to travel. Variable content course. May be repeated to a maximum of six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGR 790 Introduction to Agricultural Research Methods

Prerequisite: permission of instructor.

This course is designed to provide an introduction to the process of research. The course will address planning, conducting, and reporting research; and development of good consumers of research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGR 796 Science Internship

Completion of an internship project (80 hours/credit hour, 6 credit hours maximum) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a master's degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

AGR 797 Seminar

Prerequisite: permission of advisor.

In-depth study in an area of agriculture, culminating in an extensive scholarly presentation. May be repeated to a maximum of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

AGR 798 Research

Prerequisite: permission of instructor.

Supervised research in agriculture. May be repeated, but not more than six hours may be counted toward a master's degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

AGR 799 Thesis

Prerequisite: permission of instructor.

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated but no more than six hours may be counted a master's degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

Agricultural Technology (AGT) courses

AGT 621 Selection and Organization of Industrial Education

Prerequisite: AGT 416 or concurrent enrollment; and AGT 420 or concurrent enrollment.

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taught in same semester as AGT 416 and AGT 420. Identical with AGV 621. Cannot receive credit for both AGT 621 and AGV 621. May be taught concurrently with AGT 521. Cannot receive credit for both AGT 521 and AGT 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

Agricultural Vocational (AGV) courses

AGV 620 Occupational Analysis

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 520. Cannot receive credit for both AGV 520 and AGV 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

AGV 621 Selection and Organization of Industrial Education

Selection and arrangement of units to teach; preparation of informational and job assignments; selection, purchase and arrangement of laboratory equipment; dispensing of supplies and keeping of adequate records. Course typically taken in same semester as AGT 416. Identical with AGT 621. Cannot receive credit for both AGV 621 and AGT 621. May be taught concurrently with AGV 521. Cannot receive credit for both AGV 521 and AGV 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGV 622 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 622. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 522. Cannot receive credit for both AGV 522 and AGV 622.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGV 623 Guidance for Vocational Development

Materials, procedures, and problems involved in the guidance of individuals in the selection of, preparation for, and advancement in a vocation. May be repeated to a maximum of three hours provided the same topic is not duplicated. May be taught concurrently with AGV 523. Cannot receive credit for both AGV 523 and AGV 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGV 625 Organization and Management in Vocational Education

A systematic approach to defining and measuring occupational knowledge, skills and attitudes based upon an occupational analysis, instructional methodology, evaluation, and program standards. May be taught concurrently with AGV 525. Cannot receive credit for both AGV 525 and AGV 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGV 626 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with SEC 626. May be repeated to a maximum of two hours provided the same topic is not duplicated. May be taught concurrently with AGV 526. Cannot receive credit for both AGV 626 and AGV 526.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

AGV 627 Teaching Adults in Vocational Education

Rise of the adult education movement, learning abilities, educational interests, and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education to public school education. Identical with AGE 608 and SEC 627. Cannot receive credit for AGV 627 and AGE 608 and SEC 627. May be taught concurrently with AGV 527. Cannot receive credit for both AGV 527 and AGV 627.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGV 628 Measurement and Evaluation of Vocational Education Programs

Means for assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program to the manpower needs in a given labor market area. Identical with SEC 628. May be repeated to a maximum of three hours with departmental approval provided the same topic is not duplicated. May be taught concurrently with AGV 528. Cannot receive credit for both AGV 528 and AGV 628.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGV 676 Teaching of Industrial/Vocational Subjects

Instructional methods and techniques of teaching industrial/vocational education subjects; attaining objectives of career and technical education, design and evaluation of instructional units; classroom and laboratory management; and development of evaluative instruments. May be taught concurrently with AGV 576. Cannot receive credit for both AGV 576 and AGV 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGV 724 Organization and Administration of Vocational Education

Prerequisite: permission of instructor.

Problems, procedures and local, state and federal relationships in the organization and administration of vocational education in the contemporary school. Identical with SFR 724. May be repeated to a maximum of three 3 hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGV 726 Seminar in Industrial Education

Prerequisite: permission of instructor.

Presentation and discussion of professional or technical problems in the organization and management of programs and facilities in industrial education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGV 760 Special Investigations

Prerequisite: permission of instructor.


The student, in consultation with the advisor, selects for in-depth study an area determined by the interest/career objectives of the student. Based on demand and timeliness of the subject, a cluster study group may engage in a joint investigation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |





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Contact area of emphasis advisor, Dr. James Hutter.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Agricultural requirements

1. [AGE 718](#) Topics in Agricultural Education - 3 hrs
2. Additional course work in Agriculture - 12 hrs


Total - 15 hrs




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Agricultural Business and Economics

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Certificate in Agricultural Business and Economics

Arbindra Rimal, Program Director

Karls Hall, Room 219; Phone 417-837-5094

ArbindraRimal@MissouriState.edu (mailto:ArbindraRimal@MissouriState.edu)

Program description

This certificate is designed for students who aspire to have careers in government, business, or NGOs related to agricultural business and economics. This certificate is administered by the Department of Agribusiness, Agricultural Education and Communication.

Program requirements – 12 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| | Complete 6 hours from at least 2 of the following agribusiness courses: | 6 hrs |
| AGB 614 | International Agricultural Trade | |
| AGB 624 | Agricultural Prices | |

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| AGB 684 | Advanced Farm Business Management | |
| AGB 694 | Agricultural Entrepreneurship | |
| AGR 796 | Science Internship | |
| | | |
| | Complete 6 hours (2 courses) from the following economics courses: | 6 hrs |
| ECO 600 | Fundamentals of Economics | |
| ECO 609 | Applied Econometrics | |
| ECO 640 | Economics of the Environment | |

Completion requirements

Students must attain a grade of B or better in all courses used to fulfill the certificate requirements.

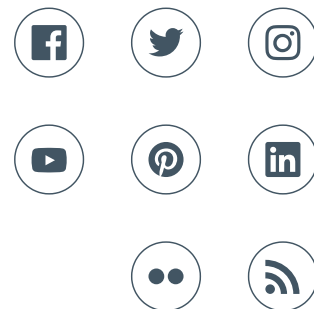


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Missouri State


Graduate College

Graduate Catalog

Department of Animal Science

Programs

 Includes accelerated master's option

 Program can be completed online

Certificates

[Ranch Management](#) (Certificate)

Contact

Department head

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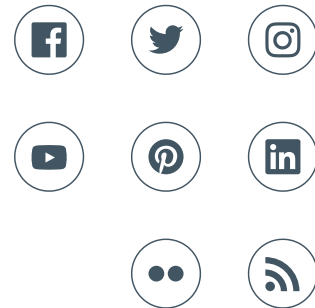
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Animal Science Graduate Faculty

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Elizabeth L. Walker


Gary W. Webb

Assistant professor


Lacy Sukavaty




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Missouri State

Graduate College

Graduate Catalog

Animal Science Courses

Animal Science (AGS) courses

AGS 611 Animal Nutrition and Metabolism

Prerequisite: C- or better in AGR 300 or CHM 201; and C- or better in AGS 310 or CHM 352.

Utilization and metabolism of nutrients by domestic animals; role of vitamins and minerals. May be taught concurrently with AGS 511. Cannot receive credit for both AGS 511 and AGS 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGS 661 Equine Nutrition and Physiology

Recommended Prerequisite: courses in animal nutrition and physiology. Topics covered will include nutrition and both reproductive and exercise physiology for the production and management of the equine. May be taught concurrently with AGS 461. Cannot receive credit for both AGS 661 and AGS 461.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGS 712 Special Topics in Animal Science

Prerequisite: permission of instructor.

Special study in an identified area of animal science not treated in other courses. Recent advances and new research techniques will be discussed. May be repeated to a maximum of six hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGS 716 Mammalian Reproductive Physiology

Recommended Prerequisite: AGS 302. Comparative anatomy and physiological processes of reproduction with an emphasis on domestic and laboratory animals. Fertilization through embryonic development, pregnancy, and growth to sexual maturity, reproductive efficiency and application of reproductive technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGS 752 Advanced Cow-Calf Production

Students will gain knowledge in current cow-calf management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, reproduction, genetics and breeding, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGS 753 Advanced Stocker and Feedlot Cattle Production

Students will gain knowledge in current stocker/feedlot cattle management practices through reading of current and classic scientific literature. Students will engage in discussion of scientific research publications on topics of cattle nutrition, forages and grazing management, animal growth and body composition, beef carcass merit, and animal health. Students will gain verbal and written communication skills through oral presentations, and writing of review papers and project proposals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |



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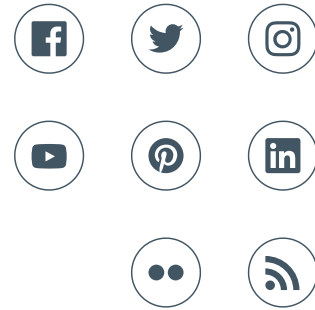
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Ranch Management



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Graduate programs

Certificate in Ranch Management

Arbindra Rimal, Program Director

Karls Hall, Room 219; Phone 417-837-5094

ArbindraRimal@MissouriState.edu

Program description

A graduate certificate in Ranch Management provides students with in-depth knowledge into managing livestock operations including animal management, feed production, and finances. Students must complete an internship as a manager-in-training at Journagan Ranch or other suitable livestock operation where they complete a special project evaluating and alternative practice to add value to the operation. Completion of a graduate certificate in Ranch Management prepares students for advanced placement in livestock management positions.

Admission criteria

Students must be admitted into the certificate program.

Program requirements – 18 hours

Required courses:

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| AGR 796** | Science Internship | 3 hrs |
| AGP 670* | Advanced Forage Crops | 3 hrs |
| AGB 684* | Advanced Farm Business Management | 3 hrs |
| AGS 611* OR AGS 716 | Advanced Nutrition and Metabolism OR Mammalian Reproductive Physiology | 3 hrs |

Select 2 courses from below:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| AGS 752 | Advanced Cow-calf Production | 3 hrs |
| AGS 753 | Advanced Stocker and Feedlot Cattle Production | 3 hrs |
| AGS 712 | Special Topics in Animal Science: Advanced Sheep and Goat Production | 1-3 hrs |
| AGS 712 | Special Topics in Animal Science: Advanced Dairy Cattle Production | 1-3 hrs |


* These courses are dual listed and may not be taken for graduate credit if they related undergraduate course (AGP 370, AGB 584, AGS 511) was taken. If this is the case, then other graduate level Plant Science, Agricultural Business, and Animal Science courses must be substituted.

**Students must complete an internship as a manger-in-training at Journagan Ranch or other suitable livestock operation where they complete a special project evaluating current and alternative practices to add value to the operation. Completion of a graduate certificate in Ranch Management prepares students for advanced placement in livestock management positions.


Completion requirements


Students must have an overall grade point average of 3.00 for completion of certificate program.

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Missouri State


Graduate College

Graduate Catalog

Department of Environmental Plant Science and Natural Resources

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Plant Science](#) (MS) 

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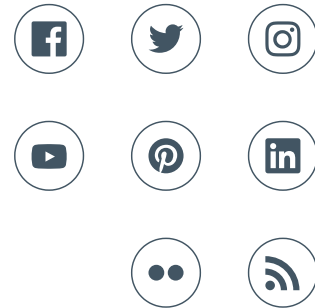
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Chin-Feng Hwang

Wenping Qiu

Karl L. Wilker

Associate professors

Clydette Alsup-Egbers

Melissa Bledsoe

Michael Goerndt

Jason Steubel

Assistant professors

William McClain II

Maciej Pszczolkowski

Clinical instructors

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Instructor

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Emeritus professors

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Pamela Trewatha



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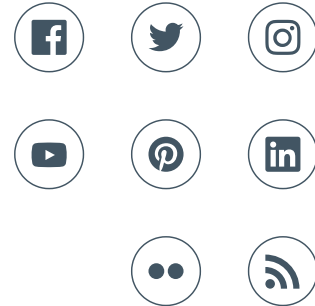
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Graduate Catalog

Environmental Plant Science and Natural Resources Courses

Agricultural Natural Resources (AGN) courses

AGN 605 Soil Fertility and Plant Nutrition

Prerequisite: AGN 215.

Theoretical and applied aspects of soil fertility emphasizing ion transport, nutrient availability, and root absorption in soils-plant environments. May be taught concurrently with AGN 405. Cannot receive credit for both AGN 605 and AGN 405.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGN 635 Soil Conservation and Water Management

The history and policies surrounding management of soil and water resources will be considered, but the majority of class time will be used addressing the processes of erosion and nutrient loss, and the practices used to conserve natural resources and sustain productivity/function of cropland, pasture, urban, and wild landscapes. May be taught concurrently with AGN 335. Cannot receive credit for both AGN 635 and AGN 335.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

AGN 643 Silviculture

This course will examine natural tree and stand development, as well as fundamentals of forest stand dynamics, site productivity, stand density and tree growth. As such, this course will provide a scientific and practical basis for concepts such as regeneration techniques, density management, wildlife habitat management and other silvicultural principles. May be taught concurrently with AGN 543. Cannot receive credit for both AGN 543 and AGN 643.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGN 655 Soil Genesis, Morphology and Classification

Recommended Prerequisite: AGN 465. Pedogenetic processes, macromorphology, micromorphology, redoximorphic features, and classification as related to soil taxonomy, with GIS applications for use of soil survey information discussed, if time allows. May be taught concurrently with AGN 455. Cannot receive credit for both AGN 655 and AGN 455.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

AGN 665 Environmental Soil Science

Recommended Prerequisite: AGN 215. Application of soil physical, chemical, and biological properties influencing agriculture, natural resources, and environmental science. Students will determine site suitability for agricultural and engineering purposes using information from onsite evaluations, soil survey, and other appropriate resources. May be taught concurrently with AGN 465. Cannot receive credit for both AGN 465 and AGN 665.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

AGN 699 Special Topics in Natural Resources

Special study in an identified area of natural resources not treated in other courses. Recent advances and new research techniques will be discussed. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGN 725 Advanced Soils Interpretations

Recommended Prerequisite: AGN 465. Field interpretation of physical and chemical properties, water relationships, and soil landscape relationships.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Upon demand |

AGN 730 Advanced Topics in Natural Resources

Prerequisite: permission of instructor.

An advanced topic in natural resources will be addressed via faculty lectures and student projects. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

Agricultural Plant Science (AGP) courses

AGP 603 Suburban Horticulture

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Horticultural concepts and their application to the growth and maintenance of fruit, vegetables and ornamentals common to most homes. Will not count toward the Environmental Plant Science major or Horticulture minor. May be taught concurrently with AGP 303. Cannot receive credit for both AGP 603 and AGP 303.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

AGP 611 Viticulture

Grapevine growth, development and adaptation of grape species and hybrids is covered. Focus is on vineyard establishment and management for wine production. Concepts relate to all wine growing regions with emphasis

on grape production in the Midwest and Eastern United States. May be taught concurrently with AGP 511. Cannot receive credit for both AGP 611 and AGP 511.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 613 Insects Affecting Horticulture and Forestry Crops

Prerequisite: permission of instructor.

Identification, life histories and control methods of insects affecting gardens, ornamental plants, orchards and forests. May be taught concurrently with AGP 513. Cannot receive credit for both AGP 613 and AGP 513.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

AGP 625 Hydroponic Systems

Recommended Prerequisite: AGP 103 and AGP 104 and AGN 405 and AGP 453. This course focuses on the "growing" industry of hydroponics, and includes the different methods and systems used to grow plants without soil, and the science of plant nutrition and production. In the hands-on lab, students plan, build, and manage hydroponic systems for growing plants and apply entrepreneurial strategies for associated business plans. Field trips include visiting local hydroponic growers. May be taught concurrently with AGP 425. Cannot receive credit for both AGP 625 and AGP 425.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

AGP 633 Crop Physiology

Recommended Prerequisite: AGP 103 or BIO 101 and 111; 3 hours additional AGP or BIO plant courses. General, stress-related and post-harvest physiology of horticulture and agronomic crops in relationship to their environments. May be taught concurrently with AGP 453. Cannot receive credit for both AGP 453 and AGP 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 641 Vegetable Production

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Methods of commercial vegetable production with an emphasis on using sustainable production techniques to optimize yield and quality of vegetables. The purpose of this course is to expand knowledge in commercial vegetable production. May be taught concurrently with AGP 441. Cannot receive credit for both AGP 641 and AGP 441.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 644 High Tunnel Crop Production

Recommended Prerequisite: AGP 103 or AGN 115 or BIO 101 and 111 or BIO 121. Site selection, design, construction, management, and production methods of crops grown in high tunnels. Sustainable production methods are emphasized. May be taught concurrently with AGP 444. Cannot receive credit for both AGP 444 and AGP 644.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 653 Turf Science

Recommended Prerequisite: AGP 103 or BIO 101 and 111 or BIO 121. A scientific approach to the physiology of turfgrass in response to the environment, and the selection, establishment, maintenance and pest management relevant to utility, lawn and sports turf. Field trips required. May be taught concurrently with AGP 353. Cannot receive credit for both AGP 353 and AGP 653.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 660 Site Specific Techniques in Agriculture and Natural Resources

Recommended Prerequisite: 12 hours of AGN or AGP courses. An overview of the theory and application of site-specific techniques used in agriculture and natural resources with emphasis on precision agronomy. Techniques will include: guidance systems, remote sensing, drone operation, variable rate application, and yield monitoring. May be taught concurrently with AGP 460. Cannot receive credit for both AGP 460 and AGP 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

AGP 663 Greenhouse Production

Recommended Prerequisite: AGP 103. Factors involved in site-selection, construction and management of greenhouses and other controlled-environment structures for production of floriculture and food crops. Sustainable production methods are emphasized. May be taught concurrently with AGP 543. Cannot receive credit for both AGP 663 and AGP 543.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 665 Grain Crops for Food, Feed and Energy

Adaptation, production, and utilization of the major grain crops for human and animal (livestock and wildlife) consumption and energy production. May be taught concurrently with AGP 365. Cannot receive credit for both AGP 665 and AGP 365.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

AGP 670 Forage Crops for Animals and the Environment

Prerequisite: AGP 103 or AGN 115 or equivalent.

Adaptation, production and utilization of the major forage crops for grazing, hay, and silage production, as well as their effects on environmental quality and wildlife. May be taught concurrently with AGP 370. Cannot receive credit for both AGP 670 and AGP 370.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

AGP 673 Plant Propagation

Recommended Prerequisite: AGP 103; and AGN 115 or BIO 121; and CHM 107 or CHM 116 or CHM 160. Practices employed by fruit and ornamental plant producers in propagation of plants, including seeds, cuttings, layerings,

grafting and micropropagation. May be taught concurrently with AGP 573. Cannot receive credit for both AGP 673 and AGP 573.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

AGP 675 Plant Breeding and Genetics

Recommended Prerequisite: AGP 103 or AGN 115. Application of genetic principles to the improvement of crop plants. Includes self-pollinated, cross-pollinated, and asexually-propagated crops. May be taught concurrently with AGP 575. Cannot receive credit for both AGP 675 and AGP 575.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

AGP 676 Plant Breeding and Genetics Lab

Prerequisite: AGP 575 or AGP 675 or concurrent enrollment.

Laboratory activities related to plant breeding and genetic improvement of crop plants. May be taught concurrently with AGP 576. Cannot receive credit for both AGP 676 and AGP 576.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

AGP 680 Plant Biotechnology

This course provides lecture and hands-on exposure to more in-depth concepts in plant biotechnology, including DNA and RNA extraction, cloning and sequence analysis of DNA fragments, detection of plant viruses by polymerase chain reaction (PCR) and generation of genetically-modified plants. May be taught concurrently with AGP 580. Cannot receive credit for both AGP 580 and AGP 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

AGP 683 Plant Pathology

Recommended Prerequisite: 9 hours of plant science (AGP). Continued study into diseases and physiological disorders of fruit, vegetables, agronomic crops and ornamental plants. Emphasis is placed on the interactions between plants and pathogenic organisms, on environmental factors that cause plant diseases, and on disease control methods that reduce or eliminate the need for chemical applications. Students will gain insight into the techniques to manage plant diseases, and the impact plant diseases have on humans and the environment. May be taught concurrently with AGP 583. Cannot receive credit for both AGP 683 and AGP 583.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

AGP 685 Weed Ecology and Management

Prerequisite: AGP 103 or AGN 115; and BIO 101 or BIO 121; and CHM 107 or CHM 116 or CHM 160.

Recommended Prerequisite: AGP 353 or AGP 365 or AGP 370 or AGP 393 or AGP 441. Ecology, physiology and impacts of invasive plants and crop weeds and methods for their control in natural and agroecosystems. May be taught concurrently with AGP 585. Cannot receive credit for both AGP 685 and AGP 585.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

AGP 693 Fruit Production

Prerequisite: permission of instructor.

The culture and management of perennial fruit crops adapted to temperate climates. Physiology, technology, and research as it applies to modern production practices will be emphasized. May be taught concurrently with AGP 393. Students cannot receive credit for both AGP 693 and AGP 393.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

AGP 699 Special Topics in Plant Science

Special study in an identified area of plant science not treated in other courses. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGP 700 Plant Science Colloquium

Prerequisite: permission of graduate coordinator.

A series of oral presentations on new developments in plant science. Presentations to be made by faculty members, students, and guest speakers from industry and academe. May be repeated, but not more than two hours may be counted toward the MS degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

AGP 721 Enology

Recommended Prerequisite: BIO 310. The course will study the chemistry, microbiology, and technology of modern wine production.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 722 Enology Lab

Prerequisite: AGP 721.

Laboratory techniques in assessing wine production methods and quality.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall |

AGP 730 Advanced Topics in Plant Science

Prerequisite: permission of instructor.

An advanced topic in plant science will be addressed via faculty lectures and student projects. Examples of proposed topics include: Improved Disease Resistance in Viticulture, and Application of Field Collected Data to Computer Analysis. Variable content course. May be repeated to a maximum of nine hours provided the same topic is not duplicated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

AGP 731 Plant Genetic Engineering

Prerequisite: permission of instructor.

Principles, methodology, and commercial applications of plant biotechnology. Includes brief introduction to nucleic acid structure, gene regulation, and genome organization in eukaryotic and prokaryotic organisms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

AGP 753 Plant Stress Physiology

Prerequisite: permission of instructor.

The effects of environmental stresses on plant physiological functions and plant growth, plus cultural methods to help plants adapt to stress.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

AGP 773 Plant Growth Regulation

Prerequisite: permission of instructor.


The role of natural and synthetic plant hormones and related compounds in the growth, reproduction and cultivation of plants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |



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Missouri State

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Graduate Catalog

Plant Science



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Graduate programs

Master of Science, Plant Science

Chin-Feng Hwang, Program Director

Karls Hall, Room 224; Phone 417-836-5088

[ChinFengHwang@missouristate.edu](mailto:ChinFengHwang@MissouriState.edu) (mailto:ChinFengHwang@MissouriState.edu)

Program description

This program is designed to prepare students to work in a wide range of jobs related to the production and economic uses of plants. Employment opportunities include the areas of crop, fruit and vegetable production, biotechnology, nursery and seed production, landscape management, wine production, environmental preservation, agribusiness, teaching, research, and extension education. Students may also continue their education in a doctoral program.

The Master of Science in Plant Science is offered as an interdepartmental major from the departments of Environmental Plant Science, Biology or Chemistry. Together with the plant science program coordinator, the

student selects an advisor from one of the four departments. The student and advisor design an individual program of study, selecting courses which will help the student to achieve his/her career goals.

During the first semester, the student declares an area of specialization and begins to pursue a research problem (project) with close supervision of a graduate faculty advisory committee. Research areas include fruit production, soils and plant nutrition, ornamental plants and landscaping, plant physiology, enology and viticulture, crop management systems, plant genetics, and economic botany.

Most course work is usually completed by the end of the second or third semester, and the research and thesis completed after four or five semesters. A comprehensive exam is taken during the second year.

Graduate assistantships

Evaluation of applications for assistantships begins on March 1 (fall assistantships) and October 1 (spring assistantships), and will continue until positions are filled. Applicants must first be accepted into the program, and files must be complete to be considered.

Retention requirements

To remain in the program, students must maintain a GPA of 3.00 and make satisfactory progress on the thesis research.

Admission requirements

Students admitted to the plant science program in full standing must meet the following requirements.

1. The student must meet all Graduate College Admission requirements. Students who do not meet the grade point standards outlined, but are admitted on the basis of their GRE scores, will be required to complete a minimum of 9 hours of specified graduate courses with a GPA of at least 3.00 before being approved for an Advisory-approved Program of Study in the program.
2. The student must submit Graduate Record Examination (GRE) scores from the General Test portion.
3. International applicants are also required to submit a score for the Test of English as a Foreign Language (TOEFL) of not less than 79 on the internet-based test.
4. The student must possess an undergraduate degree with a background in an appropriate natural or applied science including one semester of genetics and one semester of organic chemistry or equivalents thereof. Applicants lacking the background courses may be admitted, but will be required to complete any of these deficiencies with appropriate course work.
5. The student must receive a positive evaluation from the Graduate Coordinator of the Plant Science program before being recommended to the Graduate College for admittance into the program.

Accelerated Master's Degree option

Missouri State University majors in Agriculture, Biology, and Chemistry have the option to apply for preliminary acceptance into the MS in Plant Science program if they meet the requirements of the accelerated master's option. This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Environmental Plant Science, Biology or Chemistry at Missouri State University. Students who are accepted to the accelerated program will be able to count a maximum of 12 credit hours of 600-or higher level course towards both their undergraduate and graduate degrees. The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or

ornamental plants and landscaping. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology or Chemistry majors to potentially meet the requirements for the MS in Plant Science degree within two semesters following the completion of the undergraduate degree. Contact the Plant Science Program Director for details and additional information.

To be allowed to enroll in a course which is counted toward both the undergraduate and graduate degree, the student must be accepted as an advisee by a graduate faculty member and must be admitted into the accelerated program and have the permission of his/her undergraduate advisor, the Plant Science Program Director and the Dean of the Graduate College. These signature approvals are shown on the Mixed Credit Form which is required prior to the end of the Change of Schedule Period for the selected semester.

Admission Requirements for the Accelerated Master's option

1. Junior or senior standing and a GPA of 3.25 or higher.
2. A minimum of 25 credit hours of undergraduate hours relevant to plant biology (as determined by the undergraduate advisor, the student's research mentor, and the Plant Science Program Director) with a GPA of 3.50 or higher.
3. Laboratory research experience relevant to plant science under the direction of a faculty member in Agriculture, Biology or Chemistry at Missouri State University.
4. Acceptance of the student as an advisee by a member of the MS in Plant Science Graduate Faculty.
5. Approval by the MS in Plant Science Graduate Advisory Committee.

Degree requirements (32 hours)

1. **Graduate Advisory Committee.** Initially, each admitted student will be advised by the graduate coordinator of the Plant Science program. As soon as possible, the student, in conjunction with the graduate coordinator, will select a graduate faculty member from one of the four participating departments to chair a graduate advisory committee. Together with the student, the chairperson of the graduate advisory committee will select a minimum of two additional graduate faculty members from one or more of the participating departments. This committee will supervise the remainder of the candidate's program.
2. **Program of Study.** If not a part of the student's previous academic experience, courses in plant physiology ([BIO 644](#)) and biometry ([BIO 650](#)) or applied statistics ([MTH 645](#)) must be completed within the first year of the program. The remainder of the candidate's program will be structured by the advisory committee in consultation with the student. Academic background, professional experience, and career objectives will be considered in establishing the individual's program.
3. **Course Requirements.** The student is required to successfully complete a minimum of 32 hours. Course work taken from the Departments of Agriculture, Biology, Chemistry, Fruit Science, or Mathematics must total at least 23 hours with a minimum of 16 hours from courses numbered 700 through 799 inclusive.
4. **Colloquium.** Two hours of credit must be earned in [AGP 700](#), Plant Science Colloquium.
5. **Electives.** Upon approval of the advisory committee, graduate courses from related fields may be selected to a maximum of 9 hours within the 32-hour degree requirement.
6. **Research Requirement.**

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree. An oral defense of the thesis is required.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report Form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.




7. **Qualifying Examination.** A written qualifying examination will be administered after most of the course work has been completed. This examination must be passed by the candidate before a degree will be given.



Missouri State

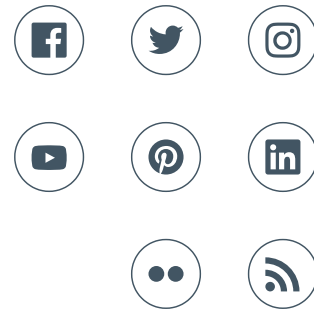
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Missouri State


Graduate College

Graduate Catalog

Judith Enyeart Reynolds College of Arts and Letters

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Applied Second Language Acquisition \(MASLA\)](#) 

[Communication \(MA\)](#) 


[Dramatic Writing \(MFA\)](#)

[English \(MA\)](#)

[Fine Arts, Visual Studies \(MFA\)](#)


[Music \(MM\)](#)

[Professional Studies: Applied Communication](#)

[Option \(MPS\)](#) 

[Professional Studies: Producing and Screenwriting](#)
[Option \(MPS\)](#)

[Secondary Education: Art Area of Emphasis \(MSEd\)](#)

[Secondary Education: English Area of Emphasis](#)
(MSEd) 

[Writing \(MA\)](#) 

Certificates


[Applied Communication \(Certificate\)](#) 

[Choral Studies \(Certificate\)](#)

[Conflict and Dispute Resolution](#) (Certificate) 

[Foreign Language Teaching \(non-certifiable\)](#)
(Certificate)

[French](#) (Certificate)

[Music Education](#) (Certificate) 

[Music Performance](#) (Certificate)

[Screenwriting for Television and Film](#) (Certificate)



[Spanish](#) (Certificate)

[Teaching English to Speakers of Other Languages](#)

[\(TESOL\)](#) (Certificate) 

[Teaching of Writing K-12](#) (Certificate)

[Technical and Professional Writing](#) (Certificate) 

Centers for Research and Service

Center for Dispute Resolution

The [Center for Dispute Resolution](http://www.missouristate.edu/cdr/) (<http://www.missouristate.edu/cdr/>) provides and supports several services and programs: Basic and Advanced Mediation Trainings; Presentations, Workshops, and Consultations; Facilitation Services; Certificate Programs in Conflict and Dispute Resolution; Mediation Referrals and Services; Victim-Offender Mediation Programs; Educational/Research Services; and Community Programs.

Center for Writing in College, Career and Community

The mission of the Missouri State University Center for Writing in College, Career, and Community (CWCCC) is to support instructors in all grade levels (Kindergarten through University) and across all disciplines to improve student writing through innovative, engaged, and meaningful professional learning, youth programs, and workshops in partnership with schools, universities, and community partners.

Missouri Fine Arts Academy

The [Missouri Fine Arts Academy](http://www.missouristate.edu/mfaa/) (<http://www.missouristate.edu/mfaa/>) is a three-week summer residential program for highly motivated student artists in visual arts, theatre, dance, creative writing, and music. The Academy offers an intensive schedule of classes in interdisciplinary and discipline-specific arts, and a wide range of co-curricular activities. The Academy is conducted with the support and cooperation of Missouri State University, and is funded through program fees, endowments, scholarships, and private donations.

Contact

Dean

Sean Wahl

Associate dean

Jason Jolley

Linda Moser

Mary Jane Pardue

D. Jake Simmons

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Phone

417-836-5247

Fax

417-836-6940

Email

CollegeofArtsandLetters@missouristate.edu

(<mailto:CollegeofArtsandLetters@missouristate.edu>)

Website

Ozarks Studies Institute

The [Ozarks Studies Institute](http://ozarksstudies.missouristate.edu/) (<http://ozarksstudies.missouristate.edu/>) seeks to preserve the heritage of the Ozarks, its culture, environment, and history by fostering a comprehensive knowledge of Ozarks' peoples, places, characteristics and dynamics. The Institute publishes *OzarksWatch* magazine; supports the Ozarks Studies Program and academic minor; and sponsors a major annual festival, the Ozarks Celebration, as well as speakers, professional conferences, and workshops.

coal.missouristate.edu
[\(https://rcoal.MissouriState.edu/\)](https://rcoal.MissouriState.edu/)





School of Communication Studies

The School of Communication Studies encompasses the Department of Communication and Department of Media, Journalism & Film. The heads of these departments serve as co-directors of the school to facilitate a number of joint ventures and activities in which both departments participate.



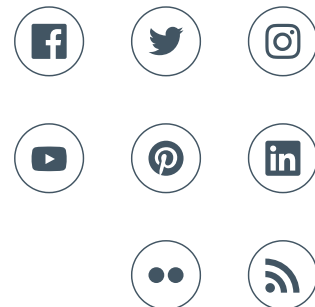
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Missouri State


Graduate College

Graduate Catalog

Department of Art and Design

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Fine Arts, Visual Studies \(MFA\)](#)

[Secondary Education: Art Area of Emphasis \(MSEd\)](#)

Accreditation

- Missouri Department of Elementary and Secondary Education – Art and Design (BSEd), and Secondary Education/Art (MSEd)
- Council for the Accreditation of Educator Preparation – Art and Design (BSEd), and Secondary Education/Art (MSEd)

General Information

Facilities and Resources

Contact

Department head

Vonda Yarberry

Office

Brick City, 327 W. Mill Street 101

Phone

417-837-2330

Missouri State University's MFA program is designed to build upon the strengths of the University, the College of Arts and Letters, and the Art and Design Department to develop candidates' studio art and/or design practice in contemporary media-specific or interdisciplinary approaches. Complementing the MFA program, the MEd, Secondary Education, Art area of emphasis helps to further the education of K-12 teachers who can specialize in art education, studio, or art history. The Art and Design Department provides studio facilities and equipment for animators, ceramicists, digital and video artists, graphic designers, drawing students, illustrators, jewelers, metalsmiths, painters, photographers, printmakers, and sculptors.

The Department of Art and Design has twenty-seven full-time professors and nearly fifty faculty members in total. There are 500+ graduate and undergraduate art and design majors, which makes this the largest publicly supported visual arts program in Missouri.

The department resides in an 88,000 square foot facility located in downtown Springfield which provides studios, smart classrooms, experimental student galleries and critique spaces, two professional galleries, seven computer labs, a visual resource library, art supply store, and administrative and support offices.

The downtown location of the Department of Art and Design is unique in its ability to provide Art and Design students an interface with thriving industries, important research partnerships, including the Innovation, Design, Entrepreneurial, Art (IDEA) Commons and Marlin Graphic Design Studios next door. These entities provide working models of invention and practical applications, with opportunities to share in research and employment, and in carrying out the Public Affairs Mission of the institution.

Exhibitions at Brick City Galleries, located in the downtown arts complex, change monthly during the school year. Each year the exhibition schedule includes work by nationally and internationally-recognized artists and designers. Faculty exhibitions are scheduled bi-annually.

The university also supports the Student Exhibition Center located near campus on historic Walnut Street and John Q. Hammons Parkway, this converted Victorian two-story building contains exhibitions of student work that change monthly during the school year. Each year the exhibition schedule also includes a Foundations Show and Senior Design Show. Additional shows may vary from year to year.

Study Away programs abroad in Florence, London, Arles and faculty/student exchanges in Korea, China, and Taiwan, provide opportunities for Art and Design students to further enrich their cultural studies. A diverse international faculty brings different perspectives and engages students in deepening world-wide views.

Fax

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Website




art.missouristate.edu
(<https://art.missouristate.edu/>)



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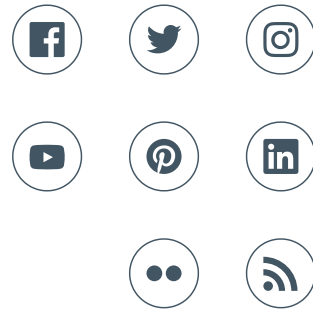
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Missouri State

Graduate College

Graduate Catalog

Art and Design Graduate Faculty

Distinguished Professors

Steve C. Willis

Professors

Keith A. Ekstam

Billie J.A. Follensbee

Catherine Jolivette

Mitzi Kirkland-Ives

Eric Pervukhin

Gwen Walstrand

Vonda Yarberry

Associate professors

Jacek Fraczak

Marcus Howell

Kevin Hughs

Bryan Colby Jennings

Sean Lyman

Sarah Williams

Assistant professors

Joshua Albers

Deidre Argyle

Fatih Benzer

Cole Closser

Jin A. Seo





Amanda Smith

Emeritus professors

- Carolyn Cardenas
- Dwaine Crigger
- Judith Fowler
- Rodney S. Frew
- Sharon Harper
- Sarah Perkins
- Wade Thompson
- Bruce J. West

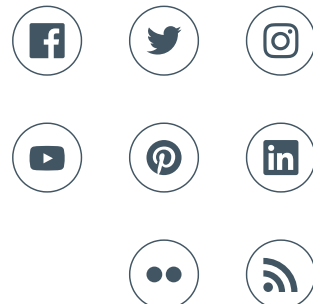


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Missouri State

Graduate College

Graduate Catalog

Art and Design Courses

Art (ART) courses

ART 672 Medieval Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

Painting, sculpture, and architecture of Europe from the fourth century through the fourteenth century. The course emphasizes the development of a distinctly European art and culture. May be taught concurrently with ART 472. Cannot receive credit for both ART 672 and ART 472.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 675 Art of the Renaissance

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

A survey of painting, sculpture, and architecture in Europe from 1300-1575. May be taught concurrently with ART 475. Cannot receive credit for both ART 675 and ART 475.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 678 Baroque Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

The major figures and developments in art and architecture from Mannerism through the Rococo in Italy and Northern Europe. May be taught concurrently with ART 478. Cannot receive credit for both ART 678 and ART 478.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 680 Modern Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

A study of the objects, artists, ideas, and movements which are a part of the modern and late modern tradition from the mid 19th Century through the period following the Second World War. May be taught concurrently with ART 480. Cannot receive credit for both ART 680 and ART 480.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ART 684 Contemporary Art

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

This course will emphasize the issues raised during the transition to "Post-Modern" culture in the last decades of the 20th Century and the beginning years of the 21st Century. The approach and the assignments will employ theoretical and critical as well as historical thinking. May be taught concurrently with ART 484. Cannot receive credit for both ART 684 and ART 484.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 685 Art of Mesoamerica

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

The art and architecture of Mesoamerica and the cultures that produced it. May be taught concurrently with ART 685. Cannot receive credit for both ART 685 and ART 485.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 690 Art Studio Workshops for Art Educators

Focused study in specific studio area, emphasis on upgrading skills and extending understanding of aesthetic and visual qualities. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 590. Cannot receive credit for both ART 590 and ART 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-3 | | | Fall, Spring |

ART 692 Art and Theory

Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.

This course will introduce students to a range of critical art theories from the late 19th Century through the 21st Century, addressing what has been thought and written about art from various perspectives. May be taught concurrently with ART 492. Cannot receive credit for both ART 692 and ART 492.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ART 698 Seminar in Art Education

In-depth study of specific topics and/or interaction with leaders in the fields of aesthetics, art criticism, art history, art making, and art education. Variable content course. May be repeated to a maximum of six hours. May be taught concurrently with ART 598. Cannot receive credit for both ART 598 and ART 698.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Summer |

ART 699 Exploratory Graduate Studio

Prerequisite: permission of instructor.

Students enrich their individual research by improving their current technical proficiencies and/or by implementing new artistic methods in an exploratory setting. In this studio, students add innovative approaches to their practice while accessing the skills of graduate faculty. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Upon demand |

ART 700 Historical Perspectives in Art Education

A history of ideas in art education and the individuals who have made significant contributions to the field; overview of beliefs, values, and practices and the role of art and art education in society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ART 701 Directed Graduate Studio I

Prerequisite: admission to the MFA in Visual Studies program and permission of instructor.

Mentored graduate research in visual art/design in preparation for thesis development. Students work one-on-one with faculty who supervise their research through the development of theory, technique, and/or concepts. Course content to be determined by the student under the supervision of a graduate faculty member.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

ART 702 Directed Graduate Studio II

Prerequisite: ART 701 and permission of instructor.

Continuation of ART 701. Mentored graduate research in visual art/design in preparation for thesis development. Students work one-on-one with faculty who supervise their research through the development of theory, technique, and/or concepts. Course content to be determined by student under the supervision of a graduate faculty member.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

ART 703 Directed Graduate Studio III

Prerequisite: ART 702 and permission of instructor.

Continuation of ART 702. Mentored graduate research in visual art/design in preparation for thesis development. Students work one-on-one with faculty who supervise their research through the development of theory, technique, and/or concepts. Course content to be determined by student under the supervision of a graduate faculty member.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

ART 704 Directed Graduate Studio IV

Prerequisite: ART 703 and permission of instructor.

Continuation of ART 703. Mentored graduate research in visual art/design in preparation for thesis development. Students work one-on-one with faculty who supervise their research through the development of theory, technique, and/or concepts. Course content to be determined by student under the supervision of a graduate faculty member.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

ART 705 Interdisciplinary Graduate Critique

Prerequisite: permission of instructor.

Interdisciplinary graduate critique class that emphasizes the development of individual studio research. Students discuss and develop conceptual, technical, and aesthetic practices in an interdisciplinary critique forum that nurtures cross-disciplinary awareness and approaches. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ART 710 Professional Practices

Prerequisite: permission of instructor.

A comprehensive study in theoretical and practical aspects of succeeding as a practicing artist or designer both inside and outside the academic setting. Students will survey the procedure and common practices expected of

the artist or designer as a productive member of the professional community and educator in the field. This course should be taken before the Thesis course at the end of the student's graduate career.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ART 760 Contemporary Issues and Current Trends in Art Education

Critical examination of current issues and theories concerning the teaching of art; analysis of relationships between historical purposes and current practice; interpretation and evaluation of recent research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ART 783 Practicum in Art Education and Educational Workshops

Prerequisite: ART 360 and ART 366 and 30 hours of studio art.

Observation and classroom teaching experiences; writing unit and lesson plans; classroom motivation, management and discipline; educational seminar workshops; and exhibition of K-12 student artworks.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Fall |

ART 785 Independent Study

Prerequisite: portfolio review of work in selected studio area.

Independent work in one studio area, directed and critiqued by studio advisor. May be repeated to a maximum of nine hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

ART 794 Independent Study in Art History

Prerequisite: permission of instructor (granted only in special circumstances).

Individual projects and special problems in Art History. May be repeated to a maximum of nine hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ART 795 Graduate Internship in Art History

Prerequisite: permission of instructor.

Student will complete various duties as assigned with art history-related organizations. These include local museums, galleries, and/or various resource-media collections. May be repeated to a maximum of six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ART 797 Teaching Practicum

Prerequisite: permission of instructor.

This course will address topics unique to university art and design faculty and professional practices in various fields teaching visual studies. Successful completion of this course is needed to participate in Missouri State University's Teaching Assistant Program or to become a Per Course (or adjunct) instructor while enrolled in the MFA program. Students will survey topics pertaining to effective university level instruction through the exploration of course development, organization and public communication skills. Topics such as how and why students learn, where to find teaching resources and how to refine a learning environment will be discussed through a variety of formats and activities in the class. A mentor/mentee program will also be a component of this course to allow students to shadow experienced professors and learn through observation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

ART 798 Graduate Studio Seminar

Prerequisite: permission of instructor.

Seminar exploration of current formal and conceptual problems in visual art/design through discussion and critique of study research. May be repeated to a maximum of six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

ART 799 Graduate Studio Thesis

Prerequisite: permission of instructor.


Concentrated activity in the major field of study in preparation for the thesis exhibition/presentation. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | | | Fall, Spring |





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Fine Arts, Visual Studies



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Graduate programs

Master of Fine Arts, Visual Studies

Sarah Williams, Graduate Program Director

Brick City, room 201 (327 W. Mill St)

Phone: (417) 837-5785

SarahWilliams@MissouriState.edu (mailto:SarahWilliams@MissouriState.edu)

Program description

Advanced study in Visual Arts and Design with an emphasis placed on the student's individual research. The curriculum is specifically designed to be flexible to meet the individual research needs within contemporary, traditional and interdisciplinary approaches and media. The Department of Art and Design offers a wide range of facilities including graduate studios.

A variety of students with differing backgrounds and research interests is considered an important factor in the development of a scholarship community with an interest in developing original research.

Admission requirements

Admission requires approval of a departmental entrance committee who will examine the applicant's potential for further professional success in Visual Art and/or Design and the ability of the department to support the applicant's stated path of study. For priority consideration deadlines, contact the department office.

Admission to the program is based on the following:

1. A bachelor's degree with extensive preparation in the Visual Arts or Design and at least 9 hours in art history, art theory/criticism, or a related discipline (other options exist, see notation below);
2. A completed Missouri State University Graduate Application; and
3. The following materials must be submitted:
 - portfolio should document a mature body of work presented in an appropriate digital format (pdf is preferred for still images);
 - information list for each work in the portfolio including title, dimensions, materials, and year created;
 - a 300 to 800-word statement describing the reasons and goals behind the applicant's interest in graduate study and the direction of intended research;
 - at least three letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
 - a completed Graduate Assistantship Application if prospective student would like to be considered for this award (submitted directly to the Art and Design department).

Applicants will be notified by mail once their application is complete. Students who do not meet requirement 1 listed above, but show high promise, may be admitted conditionally. Conditions for such admission may require additional coursework.

Degree Requirements (Minimum of 60 hours)

A minimum of 60 hours of coursework is required, ordinarily distributed over six semesters and three years.

Core Courses

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------------|--------------|
| ART 692 | Art and Theory | 3 hrs |
| ART 699 | Exploratory Graduate Studio | 3-9 hrs |
| ART 701 | Directed Graduate Studio I | 3 hrs |
| ART 702 | Directed Graduate Studio II | 3 hrs |
| ART 703 | Directed Graduate Studio III | 3 hrs |
| ART 704 | Directed Graduate Studio IV | 3 hrs |
| ART 705 | Interdisciplinary Graduate Critique | 12 hrs |
| ART 710 | Professional Practices | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------|--------------|
| ART 798 | Graduate Studio Seminar | 6 hrs |
| ART 799 | Graduate Studio Thesis | 12 hrs |
| ART 797 | Teaching Practicum | 0-3 hrs |
| | Approved Elective | 0-3 hrs |

In addition to the above, select 3-6 hours from the following Art History courses:

| Course Code | Course Title | Credit Hours |
|-------------------------|------------------------|--------------|
| ART 672 | Medieval Art | 3 hrs |
| ART 675 | Art of the Renaissance | 3 hrs |
| ART 678 | Baroque Art | 3 hrs |
| ART 680 | Modern Art | 3 hrs |
| ART 684 | Contemporary Art | 3 hrs |
| ART 685 | Art of Mesoamerica | 3 hrs |

Students are encouraged to incorporate coursework from other departments in the university as appropriate to their research. Courses that could be considered as substitutes for ART 699 and an art history elective, pending advisor approval, are listed below. Note that prerequisites may apply. Other courses could be considered on an individual basis, pending Graduate Coordinator approval.

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| LIS 634 | Introduction to Storytelling | 3 hrs |
| MED 661 | Sound Mixing | 3 hrs |
| MED 662 and/or MED 697 | Digital Filmmaking and/or Advanced Studies in Media | 3 hrs |
| LIS 602 | History of Books and Libraries | 3 hrs |
| MED 681 | Issues in Media Ethics | 3 hrs |
| MED 670 and/or MED 680 | Film Theory and/or Media in Politics | 3 hrs |

Additional degree requirements

A student's Program of Study is subject to the approval of the Graduate Coordinator in consultation with the major professor or faculty from the area of directed research. Additional coursework may be required to accommodate undergraduate deficiencies.

A probationary review will be conducted at the end of the third semester (during ART 703) evaluating a student's progress toward his or her thesis development and a unified body of work. A less than satisfactory review could result in dismissal or additional coursework with a follow up review to assess progress.

The thesis requirement consists of the following:

1. the graduate exhibition/presentation of a substantial and accomplished body of original works of art of design during the final semester of the student's program;
2. a written document pertaining to the work exhibited/presented, the character of which is determined by the area of study;
3. a final oral examination will be taken when the student has completed the program of study and the graduate exhibition/presentation, and a copy of the written document has been distributed to each member of the supervisory committee;
4. approved documentation of the graduate exhibition/presentation is to be submitted for the record to be kept by the Art and Design department.


For the awarding of the MFA degree, the following is required:

1. satisfactory completion of all coursework (no grades lower than a "B" in any graduate course);
2. thesis requirements, as above;
3. positive recommendation by the thesis committee.




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Secondary Education: Art Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Art Area of Emphasis

Contact area of emphasis advisor Fatih Benzer.

MSEd, Secondary education, Art is not accepting applications at this time.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Prerequisites and admission requirements

Admission requirements include a Bachelor's degree from an accredited art program, with a major equivalent to certification by a state agency to teach Art (K-12); a minimum of 9 hours in art history with significant exposure to

non-western art; a course in modern or contemporary art history; and approval of departmental entrance committee.

Program requirements in Art

A minimum of 15 hours of course work in art is required. With permission of their advisor, students may apply 1-6 additional hours of art electives (21 total) to the 32-hour degree minimum.


| Course Code | Course Title | Credit Hours |
|-------------------------|--|------------------|
| ART 700 | Historical Perspectives in Art Education | 3 hrs |
| ART 760 | Contemporary Issues and Current Trends in Art Education | 3 hrs |
| | Art Electives | 9 hrs |
| | Optional course work (generally in Art) chosen in consultation with the advisor | 0-6 hrs |
| | Total | 15-21 hrs |

Students may choose a concentration in art education, art history, or art studio. A minimum of 6 hours is required in art education, and students may select additional course work in art education, art history, or art studio to total 15 hours. In the studio area, students may choose from a series of workshops dealing with various studio areas, independent study in one studio area, or a combination of the two. Portfolio review of work in the chosen studio area will be required.





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Missouri State


Graduate College

Graduate Catalog

School of Communication Studies: Department of Communication

Programs


 Includes accelerated master's option

 Program can be completed online

Master's programs

[Communication \(MA\)](#) 

[Professional Studies: Applied Communication](#)

[Option \(MPS\)](#) 

Certificates

[Applied Communication](#) (Certificate) 

[Conflict and Dispute Resolution](#) (Certificate) 

Mission statement

Contact

The mission of the Department of Communication is to advance knowledge and practice of effective and ethical communication through teaching, scholarship, and engagement. Six themes unite the various disciplinary specialties represented by our faculty: communication competence, ethical discourse, diversity, leadership and participation, advocacy, and issues analysis.

General information

Student activities

Missouri State boasts a tradition of excellence in debate. The [debate program](http://debate.missouristate.edu/) (<http://debate.missouristate.edu/>) is one of the oldest in the country - as old as the university itself - and has consistently been one of the top 20 debate programs in the nation. Missouri State is also the only school in the nation to have hosted both the Cross-Examination Debate Association (CEDA) National Tournament and the National Debate Tournament (NDT). Missouri State students participate in NDT/CEDA policy debate. In 1992, Missouri State won first place at the CEDA National Tournament. Missouri State students have appeared in the "Sweet Sixteen" of college debate eleven times in the last twenty years, including a second place finish and three additional final four appearances (the latest in 2008.) In 2006 and 2008, the team secured one of 16 prestigious "First Round At Large" bids to the NDT. Within this tradition of competitive excellence lies a commitment to the education of the individual student. Missouri State debaters are consistently admitted to top graduate programs and law schools. The Holt V. Spicer Debate Forum features a national and regional travel schedule designed to offer each student the optimum level of participation.

Interim Department head

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Communications Graduate Faculty

Professors

Charlene A. Berquist

John S. Bourhis

Randy K. Dillon

Gloria J. Galanes

Shawn T. Wahl

Kelly S. Wood

Associate professors

Isabelle Bauman

LeAnn Brazeal

Elizabeth Dudash-Buskirk

Samuel C. Dyer

Eric Morris

Daniel Jake Simmons

Assistant professors

Christopher Collins

Carrisa Hoelscher

Stephen Spates

Erin Wehrman

Emeritus professors

Herbert W. Jackson

Russell M. Keeling

Janis L. King

Ralph R. Smith

Holt V. Spicer


Donal J. Stanton




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Missouri State

Graduate College

Graduate Catalog

Communications Courses

Communication (COM) courses

COM 600 Service Learning in Communication Graduate Study

Prerequisite: permission of instructor and concurrent enrollment in a communication, media, or journalism course designated as a service learning offering.

This service component for an existing course incorporates community service with classroom instruction in communications to provide an integrative learning experience that addresses the practice of citizenship and promotes an awareness of and participation in public affairs. Includes 40 hours of service that benefits an external community organization, agency, or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with COM 500. Cannot receive credit for both COM 600 and COM 500.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

COM 604 Health Communication and Culture

The examination of intercultural communication concepts in the health care context. Emphasis will be on understanding the health needs of diverse populations, Western health practices, non-Western health practices, and the conflicts that can emerge when cultures collide. May be taught concurrently with COM 507. Cannot receive credit for both COM 604 and COM 507.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

COM 607 Family Communication

This course is intended to provide students with an in-depth examination of communication as it functions in family systems. May be taught concurrently with COM 506. Cannot receive credit for both COM 506 and COM 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 608 Patient-Provider Communication

This course explores the nature of patient-provider interactions in health care contexts. Emphasis is placed on traditional and non-traditional health care providers, their patients, and interpersonal communication theories specific to health care interactions. May be taught concurrently with COM 508. Cannot receive credit for both COM 608 and COM 508.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

COM 611 Conflict and Communication

Equips students to understand the dynamics of interpersonal conflict and its resolution in a variety of community settings. Students will learn to analyze their own conflict styles and to develop self-regulation strategies for collaborative outcomes. The course covers conflict theory and research and applies these ideas to current community and organizational settings and diverse populations. Lectures/discussions by scholars, community leaders, and/or agency personnel who deal with conflict as well as simulations of conflict situations will be provided. May be taught concurrently with COM 511. Cannot receive credit for both COM 511 and COM 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 617 Communication and Diversity in the Workplace

Exploration of current theory and research regarding communication and diversity in the workplace. Study of practical applications for the assessment and training of communication skills relative to culture, race, sex, age, disability, sexual orientation and other diversity issues. Emphasis is placed on improving understanding of communication similarities and differences among diverse population groups. Includes readings, class discussion, observation, and/or class projects about assessment and training in communication skills in a diverse workplace. May be taught concurrently with COM 512. Cannot receive credit for both COM 512 and COM 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 619 Ethical Issues in Communication

Ethical theories and justification models are studied and then related to ethical decision making in a variety of communication contexts, including interpersonal communication, group communication, organizational communication, and public communication. The course will examine the components of good ethical decision making in communication, as well as obstacles that can stand in the way of responsible choices. May be taught concurrently with COM 513. Cannot receive credit for both COM 513 and COM 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 621 Communication, Mediation, and Negotiation

Explores the communicative foundation for understanding the processes of mediation and negotiation as methods for resolving conflict, with an emphasis on interpersonal and organizational conflict. The course covers theories and concepts pertaining to mediation and negotiation, particularly alternative dispute resolution, and provides students the opportunity to apply concepts through a variety of experiential activities. May be taught concurrently with COM 521. Cannot receive credit for both COM 521 and COM 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

COM 623 Contemporary Topics in Conflict

An in-depth exploration of a specific topic in conflict. Topics will vary from semester to semester and may include but are not limited to the following: Dialogue and Facilitation, Conflict and Communication Coaching, Advanced Mediation, Family Conflict, Communication and Restorative Processes, Conflict Management in Schools, and Peace and Conflict. Variable content course. May be repeated to a maximum of nine hours with permission of the department. May be taught concurrently with COM 523. Cannot receive credit for both COM 523 and COM 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

COM 631 Teaching Debate

This course prepares the student to teach various forms of debate in a high school setting. It will explore all major forms of high school debate, including CX Policy Debate, L/D Debate, parliamentary, and Public Forum debate. May be taught concurrently with COM 532. Cannot receive credit for both COM 532 and COM 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 633 Teaching Individual Events

This course prepares the student to teach various individual events common in a high school setting. It will explore all major high school individual events, including Foreign and Domestic Extemporaneous Speaking, Original Oratory, Poetry, Prose, Dramatic Interpretation, Humorous Interpretation, Radio Speaking, Storytelling, and Student Congress. May be taught concurrently with COM 534. Cannot receive credit for both COM 534 and COM 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

COM 635 Directing Forensics

Problems in coaching and conducting forensic contests. May be taught concurrently with COM 536. Cannot receive credit for both COM 536 and COM 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Upon demand |

COM 650 Political Communication

Examination of the communication process in modern political campaigns. Emphasis is placed on the role of communication strategies and tactics in political organization, message formation, fund raising, and mass media usage. May be taught concurrently with COM 550. Cannot receive credit for both COM 550 and COM 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 652 Communication Technology and Politics

This course focuses on how communication technology contributes to the political process including campaigns, discourse, and information gathering. Heavy emphasis is placed on the distribution, reception, and process of political information through all communication technology, including social media, in terms of both theory and practice. May be taught concurrently with COM 552. Cannot receive credit for both COM 652 and COM 552.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

COM 654 Presidential Rhetoric

Examination of rhetoric used in governance, with a primary focus on presidential rhetoric. Emphasis is placed on history of presidential address, genre expectations for common presidential topics, political speechwriting, and rhetorical norms for legislative and judicial rhetoric. May be taught concurrently with COM 554. Cannot receive credit for both COM 554 and COM 654.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

COM 660 Social Movement Communication

Examination of social movement communication with emphasis on functionalist, dramatic, and symbolic convergence theories. Study of movements' use of communication to generate discontent, mobilize and coordinate support, defend themselves and attack opponents, and negotiate with external groups. Critical analysis of collective actions such as student, civil rights, identity, labor, religious, feminist, lesbian/gay, and utopian movements. May be taught concurrently with COM 566. Cannot receive credit for both COM 566 and COM 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

COM 698 Studies in Communication Theory and Practice

In-depth examination of a specific communication topic. May vary from semester to semester and, with permission of the department, may be repeated to a total of 12 hours. Variable content course. May be taught concurrently with COM 597. Cannot receive credit for both COM 597 and COM 698.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 701 Introduction to Graduate Studies

Introduction to graduate study in communication. Topics include an overview of the field, introduction to relevant journals, library skills, professional associations, planning a program of study, and how to satisfy the research requirement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 702 Theory and Research in Communication

Survey of communication theory, models, and research. Topics include perception, construction of meaning, language and symbol systems, interpersonal discourse, relationships, small group interaction, and organizational communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 705 Health Communication

Examination of communication theory in the health care context. Emphasis will be on communication effectiveness in health care professional/client relationships, in addition to message practices in small group, organizational, and mediated health campaign settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 706 Rhetorical Theory

The study of rhetorical theories from the pre-Socratic period to the contemporary period.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

COM 710 Contemporary Communication Education

Examination of current practices and trends in Communication Education. Graduate teaching assistants in communication are required to take this course during the first semester of the assistantship. Course is only open to graduate teaching assistants in the Department of Communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

COM 712 Quantitative Research Methods in Communication

Quantitative research methodology in human communication. This course is designed to teach students how to read, interpret, and conduct research that uses numerical data. Some descriptive and inferential statistical analysis included. Students will design and carry out communication research using the methods they have learned.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 713 Public Relations Campaigns

This course is designed to provide students with an opportunity to explore the interface of profit and non-profit organizations with television, radio, newspapers and the internet to enhance organizational effectiveness. The course is project based focusing on developing specific media resources to meet strategic organizational communication goals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 714 Qualitative Research Methods in Communication

Qualitative research methodology in human communication. This course is designed to teach students how to read, interpret, and conduct various types of qualitative research. Students will design and carry out communication research using the methods they have learned.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

COM 716 Rhetorical Research Methods in Communication

Rhetorical criticism methodologies in human communication research. This course is designed to teach students how to read, interpret, and conduct various types of rhetorical criticism. Students will develop and complete a rhetorical criticism using the methods they have learned.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 718 Applied Communication Research Methods

Prerequisite: permission of instructor.

In-depth examination of a specific applied communication research methodology including: survey research, media criticism, communication audits, in-depth interviewing, and focus group interviewing. Topic will vary semester to semester. May be repeated but only 3 hours will count toward the degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 722 Argumentation as Communication

Argumentation as related to decision making, conflict resolution and negotiation in business, industry, government, and education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 724 Theories of Interpersonal Communication

Topics include theories, concepts, models of interpersonal communication, interpersonal discourse, relationships, resolving conflicts, verbal message analysis, interpreting nonverbal message.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 732 Theories and Concepts of Small Group Communication

Survey of theories and concepts related to communication in small groups. Topics include group development, roles, norms, leadership, cohesiveness, decision making, conflict, interaction analysis, and research approaches to small group communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 736 Concepts and Analysis of Communication in Organizations

Advanced study of communication in organizations. Application of traditional and contemporary theories of communication and organizations in current research and practice. Particular attention is given to the symbolic nature of organizing and to the analysis of organizational culture.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 739 Concepts and Analysis of Public Relations

Examination of concepts which underlie practices in public relations. Analysis of current practices and issues important in public relations for corporations, not-for-profit organizations, government agencies, and educational institutions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 794 Conflict Internship

Prerequisite: 6 hours of conflict courses; admission to the graduate certificate in Conflict and Dispute Resolution; and permission.

This course allows students an applied opportunity to integrate theoretical material on conflict and dispute resolution in a variety of contexts and settings in which conflict occurs. May be taught concurrently with COM 494. Cannot receive credit for both COM 794 and COM 494.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

COM 795 Communication Internship

Prerequisite: 12 graduate hours in Communication; and permission of department.

Independent projects in the various areas of communication. May be repeated to a maximum of 6 hours with permission of the department.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

COM 796 Independent Study

Prerequisite: permission of advisor.

Study may be reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |

COM 797 Seminar: Communication Theory

Special topics in history, theory and criticism of communication. Topic may vary from semester to semester. With permission, may be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COM 799 Masters Thesis

Prerequisite: completion of 9 graduate hours in communication; and permission of the Director of Graduate Studies and admission to the thesis option; and complete 3 graduate hours in research methods or be concurrently enrolled in one of the following courses: COM 712, COM 714, COM 716, or COM 718.





Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |



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Master of Arts, Communication

Carrisa Hoelscher, Graduate Director

Craig Hall, Room 361, Phone 417-836-4423

CHoelscher@MissouriState.edu (mailto:CHoelscher@MissouriState.edu)

Entrance requirements

1. The applicant must have received an undergraduate degree from a regionally accredited college or university.
2. The applicant must hold an undergraduate degree with an academic major in communication (speech or mass communication, journalism, rhetorical studies) or a related discipline (e.g., anthropology, English, history, psychology, or sociology), or have completed a minimum of 15 hours of undergraduate course work in communication to demonstrate an adequate background for graduate work in the field of communication. Additional undergraduate courses may be required as prerequisites to the student's graduate program. Prerequisites are determined by the Department of Communication and relayed to the Graduate College as conditions of admission.

3. The applicant must have attained a GPA of at least 3.00 on a 4.00 scale for the last 60 credit hours of academic work.
4. Applicants who do not meet the standard entrance requirements, but who show an indication of high promise, will be considered for admission on a case by case basis.
5. The applicant must submit a 500-700 word letter of application. This letter should address the following questions:
 - Why are you interested in pursuing a graduate degree in Communication?
 - Why did you choose to apply for graduate study in the Department of Communication at Missouri State University?
 - How does your background (educational and otherwise) prepare you for graduate study?
 - What professional goals do you hope this degree will help you achieve?
6. The applicant must submit at least two letters of recommendation, of which one is from an assistant professor, associate professor, or professor who has had the student in class. Applicants more than six years out of their bachelor's degree must submit a letter of recommendation from a supervisor or another person adequately qualified to evaluate the student's suitability for graduate study.
7. Acceptance decisions for fall semester will begin in early February. All application materials must be submitted by February 1.
8. Meeting the above entrance requirements does not guarantee admission to the Master of Arts in Communication. The decision to accept a graduate student is competitive and complex. It is based on multiple factors, only one of which is meeting the entrance requirements listed above.
9. All other University and Graduate College requirements for admission to a degree program will also apply. Please refer to the requirements given in this catalog.

Enrollment requirements

To enroll in graduate courses in the Department of Communication, a student must satisfy one of the following two conditions:

1. Be admitted to a graduate program in Communication, **or**
2. Have permission to enroll into the Communication course from the Instructor of Record.

Degree requirements (minimum of 33 hrs)

1. **Theory.** Must complete 9 hours in Theory as follows:

| Course Code | Course Title | Credit Hours |
|-------------------------|--------------------------------------|--------------|
| COM 701 | Introduction to Graduate Studies | 3 hr |
| COM 702 | Theory and Research in Communication | 3 hrs |
| COM 706 | Rhetorical Theory | 3 hrs |

2. **Methodology.** Must select two courses, 6 hours, in the Methodology of Inquiry:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| COM 712 | Quantitative Research Methods in Communication | 3 hrs |
| COM 714 | Qualitative Research Methods in Communication | 3 hrs |
| COM 716 | Rhetorical Research Methods in Communication | 3 hrs |
| COM 718 | Applied Communication Research Methods | 3 hrs |

3. **Additional course work.** Students are required to complete a minimum of 18 additional hours selected by advisement and approved by the Graduate Director, consistent with their professional, educational, and/or personal objectives. No more than 9 hours may be selected from departments other than Communication and Media, Journalism and Film. It is possible to complete all 18 credits in the Department of Communication.
4. **Teaching Assistants.** In addition to the above listed requirements, anyone applying for a graduate assistantship in the Department of Communication must include a writing sample as part of the admission process. All graduate teaching assistants (TAs) must enroll in [COM 710](#) during the first semester of their assistantship. See course description of [COM 710](#) for additional information.
5. **Research.** Complete one of the following three research options.
 - Option I:** Completion of a thesis that is approved by committee, the Graduate Director and the Graduate College. The department further requires a public presentation of the thesis. A maximum of 6 credit hours of COM 799 may be used for the purpose of completing a thesis.
 - Option II:** Complete a seminar paper approved by a seminar paper advisor, a departmental committee on seminar papers, and the Graduate Director. The department further requires a public presentation of the seminar paper. A maximum of 3 credit hours of [COM 796](#) may be used for the purpose of completing the seminar paper.
 - Option III:** Complete a professional project approved by a professional project advisor, a departmental committee on professional projects, and the Graduate Director. The department further requires a public presentation of the professional project. A maximum of 3 credit hours of [COM 796](#) may be used for the purpose of completing the professional project.
6. **Comprehensive Examination.** A comprehensive examination must be passed by the candidate before a degree will be granted.
7. **Non-class Instruction.** A maximum of eight credit hours of non-class instruction ([COM 795](#) Communication Internship, [COM 796](#) Independent Study and/or [COM 799](#) Master's Thesis hours) may be counted toward the minimum 33 hours necessary for graduation.

Accelerated Master's Degree option

Eligible undergraduate majors in the School of Communication Studies may apply for early admission to the Master of Arts in Communication during the second semester of their junior year. Once accepted for early admission, students will be able to take up to 12 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs. Students MUST enroll in [COM 701](#) (https://graduate.missouristate.edu/catalog/CommStudies_courses.htm#COM701) during the fall semester of their senior year as part of the accelerated program. Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated master's program AND receive prior approval from the Director of Graduate Studies, the Department Head, and the Dean of the Graduate College (on a Mixed Credit Form).





Admission requirements for the Accelerated Master's option

1. The applicant must be of junior standing with a cumulative GPA of 3.25.
2. The applicant must have a declared major in the School of Communication Studies or the equivalent, having completed 15 hours in the major department, including at least six hours at the 300-level or above, with a GPA in the major of 3.50 or better.
3. The applicant must submit three letters of recommendation, two of which must be written by a graduate faculty member in the School of Communication Studies.
4. The applicant must submit a letter of application of no more than 2 pages. This letter should address the following questions:
 - Why are you interested in pursuing an accelerated graduate degree in Communication?
 - Why did you choose to apply for accelerated graduate study in the Department of Communication at Missouri State University?
 - How does your background (educational and otherwise) prepare you for accelerated graduate study?
 - What professional goals do you hope this degree will help you achieve?
5. The applicant must submit a sample of sole-authored academic writing of no less than 3 pages.
6. Admission decisions will be made by the Graduate Faculty in the Department of Communication. Meeting the above entrance requirements does not guarantee admission to the Master of Arts in Communication Accelerated Program. The decision to accept an accelerated graduate student is competitive and complex. It is based on multiple factors, only one of which is meeting the admission requirements listed above.
7. Acceptance decisions for fall semester will begin in early February. Date for first consideration for applications is February 1.



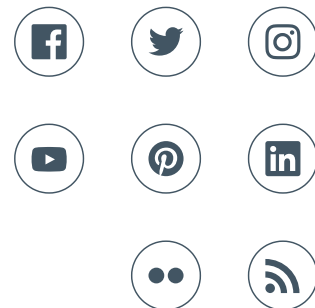
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Professional Studies: Applied Communication Option



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Professional Studies: Applied Communication Option

The Department of Communication participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(/Catalog/professionalstudies.htm\)](/Catalog/professionalstudies.htm) for more information.

Applied Communication Option required courses (choose any four from list below):





| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| COM 611 | Conflict and Communication | 3 hrs |
| COM 617 | Communication and Diversity in the Workplace | 3 hrs |
| COM 619 | Ethical Issues in Communication | 3 hrs |
| COM 732 | Theories and Concepts of Small Group Communication | 3 hrs |
| COM 713 | Public Relations Campaigns | 3 hrs |



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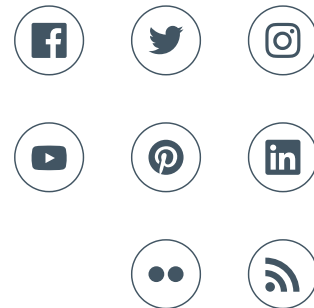
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Graduate programs

Certificate in Applied Communication

Carrisa Hoelscher, Graduate Director

Craig Hall, Room 361, Phone 417-836-4423

CHoelscher@MissouriState.edu (mailto:CHoelscher@MissouriState.edu)

Program description

The Graduate Certificate in Applied Communication is designed for individuals who are highly motivated to develop applied communication skills for a professional environment. Admission is competitive and meeting the minimum standards for admission will not guarantee acceptance into the certificate program.

Admission process

Admission to the certificate program requires all of the following:

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A GPA of 2.75 on a 4.00 scale for the last 60 hours of undergraduate course work or completion of 9 credit hours of graduate course work with a minimum GPA of 3.00.
3. Admission application (all materials) deadline is 35 days prior to the start of the desired beginning semester.
4. All additional University and Graduate College requirements for admission to a certificate program.

Required courses - 12 hours total

Choose 4 courses (12 hours) from the list below:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| COM 611 | Conflict and Communication | 3 hrs |
| COM 617 | Communication and Diversity in the Workplace | 3 hrs |
| COM 619 | Ethical Issues in Communication | 3 hrs |
| COM 713 | Public Relations Campaigns | 3 hrs |
| COM 732 | Theories and Concepts of Small Group Communication | 3 hrs |





Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.



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Conflict and Dispute Resolution



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Graduate programs

Certificate in Conflict and Dispute Resolution

Charlene Berquist, Certificate Advisor

Park Central Office Building, Room 212

Phone 417-836-8831

CharleneBerquist@MissouriState.edu (mailto:CharleneBerquist@MissouriState.edu)

Program description

The Certificate in Conflict and Dispute Resolution provides an 18 hour graduate-level experience for students, educators, health care workers, business people, managers, workers, or community members who are interested in dispute resolution and conflict processes. The program provides for the acquisition of knowledge and skills necessary for understanding conflict and resolving disputes. The certificate is interdisciplinary in nature and has two required components: a theory skill component and an applied component. The 6 hours of electives allow the student to pursue study of conflict and its resolution in the context of their specific discipline or profession.

Admission criteria

To be considered for the program, a student must have a 3.00 grade point average as well as submit a Graduate Application. Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for admission to the certificate. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses - 18 hours total

Required courses vary depending on if the student has previously earned Missouri State's Undergraduate Certificate in Conflict and Dispute Resolution.; The requirements for those with and without the Undergraduate Certificate are described below.

Requirements without the Undergraduate Certificate

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| COM 611 | Conflict and Communication | 3 hrs |
| COM 621 | Communication, Mediation and Negotiation | 3 hrs |
| COM 623 | Contemporary Topics in Conflict | 3 hrs |
| COM 794 | Conflict Internship | 3 hrs |
| | Electives in Conflict or Cognate Area* | 6 hrs |

* The electives component of the certificate allows students to focus on conflict processes that are specific to their professional area. These courses allow a more discipline-specific focus, and there are elective options in most disciplines. Electives will be approved by the Program Director.

Requirements with the Undergraduate Certificate

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| COM 623 | Contemporary Topics in Conflict | 6 hrs |
| COM 794 | Conflict Internship | 3 hrs |
| BUS 650 | Negotiation, Mediation, and Arbitration in Business | 3 hrs |
| | Electives in Conflict or Cognate Area* | 6 hrs |

* The electives component of the certificate allows students to focus on conflict processes that are specific to their professional area. These courses allow a more discipline-specific focus, and there are elective options in most disciplines. Electives will be approved by the Program Director.

Completion requirements


Courses must be completed with a 3.00 GPA for successful completion of certificate.



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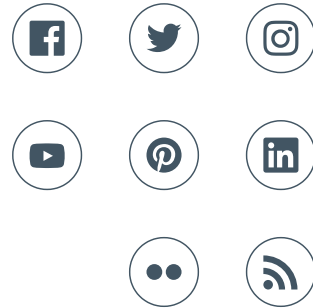
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Department of English

Programs

 Includes accelerated master's option


 Program can be completed online

Master's programs

[Applied Second Language Acquisition \(MASLA\)](#)

[English \(MA\)](#)

[Secondary Education: English Area of Emphasis](#)

(MSEd) 

[Writing \(MA\)](#) Accelerated Master's option available
in Technical/Professional Writing Track

Certificates

[Teaching English to Speakers of Other Languages](#)

(Certificate) 

[Teaching of Writing K-12](#) (Certificate)

[Technical and Professional Writing](#) (Certificate) 

Mission statement

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Interim Department head

The MA in English seeks to impart advanced skills in writing, critical reading, and the analysis of language, as well as a broad, general knowledge of literature. Varying with students' interests, the MA prepares graduates for doctoral study and for careers in writing, teaching, and other professions.

Linda Moser

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Joel Chaston

Professors

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Lanette Cadle

Marcus Cafagna

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Keri Franklin

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Etta Madden

Linda Trinh Moser

Yili Shi

Margaret Weaver

Shannon Wooden

Associate professors

Michael Czyzniejewski

Catherine English

Lyn Gattis

Rachel Gholson

Kenneth Gillam

Andrea Hellman

Marianthe Karanikas

Lanya Lamouria

Leslie Seawright

Rhonda Stanton

Alan Tinkler

Assistant professors

Heidi Hadley

Jonathan Newman

Suneeta Thomas

Mary Baumlin

Christina Biava

Phyllis Bixler

Clark Closser

Carter Cramer

Michael Ellis

Donald Holliday

Richard Neumann

Mark Trevor Smith

Jean Stringam

Kristene Sutliff

Myron Taylor

Visiting Assistant professor

Angela Bell

Senior instructors

Sara Burge

Jennifer Murvin

John Turner

Instructor

Joel William Coltharp





Judy Tarbox

Emeritus professors



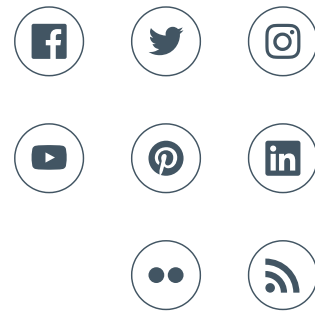


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Missouri State

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English Courses

English (ENG) courses

ENG 601 Advanced Writing: Fiction

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 501. Cannot receive credit for both ENG 501 and ENG 601.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 604 Advanced Writing: Nonfiction

Group discussion and criticism. Individual writing projects. May be organized around one or more of the following non-fiction genres: creative nonfiction, magazine writing, stylistics, and popular science writing. May be repeated for a total of 6 hours. May be taught concurrently with ENG 500. Cannot receive credit for both ENG 500 and ENG 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 605 Methods in Teaching English to Speakers of Other Languages (TESOL)

Contemporary approaches to teaching grammar, reading, writing, listening, and speaking for students who are learning English as a second language. Includes material design, development, and evaluation; student assessment; integration of all components into a unified TESOL curriculum. May be taught concurrently with ENG 505. Cannot receive credit for both ENG 505 and ENG 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 606 Advanced Writing: Drama

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 506. Cannot receive credit for both ENG 506 and ENG 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 607 Advanced Writing: Poetry

Group discussion and criticism. Individual writing projects. May be repeated to a total of 6 hours. May be taught concurrently with ENG 503. Cannot receive credit for both ENG 503 and ENG 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 609 Creative Writing Project

Prerequisite: permission of instructor.

Directed development of a substantial work of poetry, fiction, or non-critical prose, prepared for publication. May be taught concurrently with ENG 508. Cannot receive credit for both ENG 508 and ENG 609.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 613 Shakespeare

Selected plays and poems of Shakespeare, representative criticism, and Shakespeare's theatre and milieu. May be taught concurrently with ENG 513. Cannot receive credit for both ENG 513 and ENG 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 614 British Drama

Representative British plays from pre-Renaissance times to present, including such authors as Marlowe, Congreve, Wilde, and Shaw. May be taught concurrently with ENG 514. Cannot receive credit for both ENG 514 and ENG 614.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 615 Chaucer

The Canterbury Tales and other works by Chaucer; social, historical, literary, and linguistic background of late Middle Ages. May be taught concurrently with ENG 510. Cannot receive credit for both ENG 510 and ENG 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 617 The American Novel

Works by major figures in the development of the American Novel, such as Twain, James, Howells, Dreiser, Lewis, Hemingway, Faulkner, and Warren; major criticism of the genre. May be taught concurrently with ENG 517. Cannot receive credit for both ENG 517 and ENG 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 618 The British Novel

Works by major figures in the development of the British novel, such as Fielding, Austen, Dickens, George Eliot, Hardy, Lawrence, and Woolf; major criticism of the genre. May be taught concurrently with ENG 512. Cannot

receive credit for both ENG 512 and ENG 618.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 619 American Drama

Development of American Drama to the present; emphasis on 20th century, including such authors as O'Neill, Wilder, Hellman, Williams, Miller, and Albee; major criticism of the genre. May be taught concurrently with ENG 519. Cannot receive credit for both ENG 519 and ENG 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 623 Writing Center Theory and Practice

Collaborative workshop designed to prepare individuals for teaching one-to-one in a writing center environment. May be taught concurrently with ENG 523. Cannot receive credit for both ENG 523 and ENG 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 627 History of Rhetoric

Study of historical trends important to the development of written discourse and writing instruction. Survey of theory from classical antiquity through the nineteenth century. May be taught concurrently with ENG 525. Cannot receive credit for both ENG 525 and ENG 627.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 628 Modern Rhetorical Theory

A continuation of ENG 627. Study of twentieth-century rhetorical theory and its applications in literary criticism, literacy, technical writing, and/or composition. May be taught concurrently with ENG 526. Cannot receive credit for both ENG 526 and ENG 628.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 629 Composition and Rhetoric in High School and Junior College

Prerequisite: teacher certification students must be admitted to the Teacher Education Program.

A survey of current writing and evaluation practices. Training in the teaching and evaluating of oral and written composition. The student will have an opportunity to examine methods currently taught in area high schools. May be taught concurrently with ENG 520. Cannot receive credit for both ENG 629 and ENG 520.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 631 Writing for Teachers

A course intended to develop the writing of prospective and in-service teachers and to explore the means by which writing can be encouraged, developed, and assessed. May be taught concurrently with ENG 521. Cannot receive credit for both ENG 631 and ENG 521.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 633 Studies in Children's Literature

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as children's poetry, the picture book, and the literary folktale and historical fiction) in literature for the young. May be repeated when content varies. May be taught concurrently with ENG 533. Cannot receive credit for both ENG 533 and ENG 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 634 Historical Perspectives in Children's Literature

Study of one or more periods in the historical development of children's literature, such as the Golden Age of children's classics, twentieth-century British children's literature, and the novels for children since 1950. Variable content course. May be repeated when content varies. May be taught concurrently with ENG 534. Cannot receive credit for both ENG 534 and ENG 634.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 636 Young Adult Novel

Study of various kinds of novels written for young people; includes historical perspectives; emphasizes developments since the "New Realism" of the 1960s. May be taught concurrently with ENG 536. Cannot receive credit for both ENG 536 and ENG 636.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 639 Advanced Writing for Children and Young Adults

Group discussion and criticism. Individual writing projects. May be taught concurrently with ENG 539. Cannot receive credit for both ENG 539 and ENG 639.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 641 Renaissance Literature

Sidney, Spenser, Donne, Milton, and other major non-dramatic writers; literary developments, 1500-1660. May be taught concurrently with ENG 541. Cannot receive credit for both ENG 541 and ENG 641.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 642 British Romantic Literature

Blake, Wollstonecraft, Dorothy Wordsworth, William Wordsworth, Coleridge, Byron, Mary Shelley, Percy Bysshe Shelley, Keats; cultural backgrounds and literary developments, 1798-1837. May be taught concurrently with ENG 544. Cannot receive credit for both ENG 544 and ENG 642.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 643 Restoration and 18th Century Literature

Dryden, Swift, Pope, Johnson, and other significant writers; literary developments, 1660-1798. May be taught concurrently with ENG 543. Cannot receive credit for both ENG 543 and ENG 643.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 645 Modern British Literature

Significant works from several genres by authors such as Conrad, Yeats, Greene, Lessing, and Stoppard; literary developments, 1901-present. May be taught concurrently with ENG 547. Cannot receive credit for both ENG 547 and ENG 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 646 Victorian Literature

Tennyson, Browning, the Rossettis, Hardy, and other British Victorian writers; literary developments, 1837-1901. May be taught concurrently with ENG 546. Cannot receive credit for both ENG 546 and ENG 646.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 649 Major British Authors

Study of several major works by one or two British writers, such as Marlowe and Jonson, Johnson and Boswell, George Eliot and Hardy, Yeats and T.S. Eliot, Amis and Larkin; the intellectual milieu of their works. May be taught

concurrently with ENG 548. Cannot receive credit for both ENG 548 and ENG 649.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 651 Literary Publication

Practical experience with the literary publication process, including the editing work that goes into literary journals and the process of submitting and publishing creative work. Students will be introduced to various aspects of the literary market and other opportunities for creative writers, such as conferences and writing workshops. Students will learn about the publishing process through University publications projects such as the English Department's Moon City Press. May be taught concurrently with ENG 551. Cannot receive credit for both ENG 651 and ENG 551.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 652 American Romantic Literature

Significant works from several genres by authors such as Cooper, Poe, Irving, Thoreau, Emerson, Hawthorne, Melville, and Whitman; literary developments to 1855. May be taught concurrently with ENG 553. Cannot receive credit for both ENG 553 and ENG 652.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 654 Topics in Ethnic American Literature

Focus on one or more of the following: African American literature, Asian American literature, Latina/o literature, Native American literature, the literatures of European American immigrant groups, and relevant literary criticism. May be repeated up to 6 hours if content varies. May be taught concurrently with ENG 554. Cannot receive credit for both ENG 654 and ENG 554, for the same course content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

ENG 656 American Realism

Significant works from several genres by authors such as Twain, Howells, James, Crane, and Frost; literary developments, 1855-1914. May be taught concurrently with ENG 557. Cannot receive credit for both ENG 557 and ENG 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 659 Modern American Literature

Significant works from several genres by authors such as Fitzgerald, Hemingway, Lowell, Roethke, Bellow, and O'Connor; literary developments, 1914-present. May be taught concurrently with ENG 559. Cannot receive credit for both ENG 559 and ENG 659.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 661 Major American Authors

Study of several major works by one or two writers, such as Emerson and Thoreau, Frost and Dickinson, Sexton and Lowell; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 558. Cannot receive credit for both ENG 558 and ENG 661.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 662 Contemporary American Poetry/Fiction

A survey of contemporary American poetry or fiction, which encompasses a selection of significant authors and traces the history and development of various literary theories, schools and movements, from new Criticism through more recent trends in both narrative and lyric modes (poetry) and Post-Modern narrative techniques (fiction). Variable content course. May be repeated up to 6 hours if topic is different. May be taught concurrently with ENG 562. Cannot receive credit for both ENG 562 and ENG 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 663 Literature and Medicine

This course examines literary representations of health and illness, ability and disability, and cultural practices of healing. Drawing on major theoretical movements in medical humanities, students will situate literary texts within the ethical situations and institutional structures of their community and culture. May be taught concurrently with ENG 563. Cannot receive credit for both ENG 563 and ENG 663.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 664 Place-Conscious Reading and Writing

This course emphasizes the study of place, specifically, enacting literacy practices focused upon the cultural, economic, and environment sustainability of a learning locale. Students will also explore local networking strategies and ways of spurring public action to improve their own literacy and the literacy of their students at the local or regional level. May be taught concurrently with ENG 564. Cannot receive credit for both ENG 664 and ENG 564.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

ENG 665 Literature and Language Workshop

Prerequisite: permission of instructor.

Variable topics related to the use of writing and literature in the classroom. Number of class hours determined by length of workshop. May be repeated for a total of 6 hours. May be taught concurrently with ENG 565. Cannot receive credit for both ENG 665 and ENG 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

ENG 668 Major World Authors

Study of several major works by one or two writers, such as Aristophanes and Sophocles; Ibsen and Strindberg; the intellectual milieu of their works. May be repeated when content varies. May be taught concurrently with ENG 568. Cannot receive credit for both ENG 568 and ENG 668.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 672 Writing Grant Proposals

Studying and applying basic elements of grant-proposal writing, including identifying potential funding sources, aligning projects with goals of funders, writing a compelling statement of need, and establishing a credible method of accomplishing goals as well as a reasonable budget and timeline. Emphasis on tailoring proposals to prospective funders in concise, persuasive writing. May be taught concurrently with ENG 572. Cannot receive credit for both ENG 572 and ENG 672.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 678 Writing in the Health Professions

Rhetorical analysis and production of a broad range of document genres, including public health campaigns, grant proposals, medical reports, and patient information materials. Students research and present their findings on current issues in the field. Emphasis on audience analysis, document design principles, and ethical considerations. May be taught concurrently with ENG 570. Cannot receive credit for both ENG 570 and ENG 678.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 679 Writing for the Web

Explores the professional writer's role in creating web pages and sites designed to deliver information. Topics include planning, user analysis, organization, structure, presentation, content development, writing style, and accessibility accommodation. May be taught concurrently with ENG 573. Cannot receive credit for both ENG 573 and ENG 679.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 682 Gender Issues in Language and Literature

Consideration of gender issues from the standpoint of literary history, genre, composition/rhetoric, linguistics, or feminist theory. May be repeated to a total of 6 hours if topic is different. May be taught concurrently with ENG 580. Cannot receive credit for both ENG 580 and ENG 682.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 683 Themes in Folkloristics

A topical course investigating the relationship of folklore and daily life through reading and examination of the field and its genres as a global discipline. Consideration of lived-environments such as occupational, educational, and popular culture settings or themes. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 583. Cannot receive credit for both ENG 583 and ENG 683.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 684 Topics in Professional Writing

Covers a single topic within the field of professional writing. The subject will vary according to student demand and faculty availability. Examples include writing for the legal profession, writing proposals, regulatory writing, developing training materials, and ethics in professional writing. May be repeated to a total of 6 hours when the topic varies. Variable content course. May be taught concurrently with ENG 575. Cannot receive credit for both ENG 575 and ENG 684.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 688 Sociolinguistics for Language Teaching

Various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language attitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. May be taught concurrently with ENG 592. Cannot receive credit for both ENG 592 and ENG 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 689 Studies in Linguistics

Topics in linguistics including history of linguistics, language acquisition, or transformational grammars. May be repeated to a total of 9 hours if topic is different. May be taught concurrently with ENG 593. Cannot receive credit for both ENG 593 and ENG 689.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 690 Grammatical Analysis

Advanced study of English morphology and syntax using a variety of current approaches, including phrase-structure, transformational, discourse-based, and semantic-based grammars. May be taught concurrently with ENG 590. Cannot receive credit for both ENG 590 and ENG 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 691 Linguistic Theory

A specialized survey of linguistics intended for graduate and advanced undergraduate students. Areas covered include, but are not limited to, phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Students cannot receive credit for both ENG 296 and ENG 691. May be taught concurrently with ENG 591. Cannot receive credit for both ENG 591 and ENG 691.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 694 Technical Writing Internship

Projects in technical writing, combining academic training and supervised work experience in business, industry, government, academia, or nonprofit organizations. Students are required to work a minimum of 135 hours. May be taught concurrently with ENG 574. Cannot receive credit for both ENG 574 and ENG 694.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 695 Principles of Second Language Acquisition

The processes of both first and second language acquisition, with an emphasis on Teaching English to Speakers of Other Languages (TESOL) and bilingualism. Includes the theory behind and history of TESOL methodologies, as well as contemporary theoretical issues in TESOL. May be taught concurrently with ENG 595. Cannot receive credit for both ENG 595 and ENG 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 696 Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL)

Practical and theoretical perspectives in specific areas in TESOL, including speaking, grammar, composition, and critical reading. Consideration of material design and student assessment. May be taught concurrently with ENG 596. Cannot receive credit for both ENG 596 and ENG 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 697 Practicum in Teaching English to Speakers of Other Languages (TESOL)

Application of coursework in TESOL with individualized experience based on students' needs and background, especially in composition, grammar, and pronunciation. May be taught concurrently with ENG 597. Cannot receive credit for both ENG 597 and ENG 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

ENG 698 Early English Language and Literature

Special topics in Old and Middle English language and literature, including an understanding of the linguistic structure of early English, experience in working with a variety of medieval English texts, and application of various linguistic and literary theories to the study of Old and Middle English writing. May be repeated to 6 hours if topic is different. Will not count toward any teacher certification requirement. May be taught concurrently with ENG 598. Cannot receive credit for both ENG 598 and ENG 698.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 700 Introduction to Research Methods in English

Provides an introduction to research methods and writing within the broadly defined discipline of English Studies. It focuses on ways of developing research problems and questions, designing studies, and conducting, reading and evaluating research. Students will also learn to present their research in verbal and written formats including the abstract, proposal, conference presentation, and publishable essay.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 701 Graduate Fiction Workshop

Prerequisite: ENG 601 or permission of instructor.

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 702 Service Learning in English II

Prerequisite: concurrent enrollment in an English course designated as a service-learning offering.

This service component for an existing course incorporates community service with classroom instruction. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes a minimum of 40 hours of service that benefits an external community organization or public-service provider. Approved service placements and assignments will vary depending on the course topic. May be taken once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

ENG 703 Practicum in Teaching Composition

Writing, evaluation of student essays, discussion of current theory and practice in teaching college composition. Credit from this course will not count toward the MA in English or the MS in Ed (ENG) degrees. Required of graduate teaching assistants their first two semesters of appointment. May be repeated up to 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

ENG 704 Teaching Writing Online

An intensive study of the theory and practice associated with teaching composition online. Students will examine key ideas in the field as well as the benefits and challenges of online pedagogy. Students will have the opportunity to study and design online instructional materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------------------------|
| 3 | 3 | 0 | Summer, Spring (odd-numbered years) |

ENG 707 Graduate Poetry Workshop

Prerequisite: ENG 607 or permission of instructor.

Group discussion and criticism. Individual writing projects. Intensive reading and writing assignments designed to enhance students' ability to compete in the publishing world and in application to further graduate study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 708 Creative Writing Project II

Prerequisite: permission of instructor.

Directed development of a substantial work of poetry, fiction, or non-critical prose. This work may be submitted as a degree paper in partial fulfillment of the research requirement in English.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 710 Seminar: Fiction

Significant genres, authors, and developments in prose fiction. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 711 Seminar: Poetry

Significant genres, authors, and developments in poetry. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 712 Seminar: Drama

Detailed study of selected plays and dramatists. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 720 Seminar: Composition Theory

Detailed study of contemporary composition theory in university freshman writing. Open to all graduate students. Graduate teaching assistants must take ENG 720 during their first year of appointment, unless they have taken ENG 520 as undergraduates.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 721 Theory of Basic Writing

Study of issues, problems, and pedagogical strategies appropriate to teaching composition to students with limited English proficiency.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 722 Literacy Theory and Composition

An introduction to literacy theory and its application to the teaching of composition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 725 Seminar: Composition and Rhetoric

Topics in the application of rhetorical theory to the teaching of writing. May be repeated up to 9 hours if the content is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

ENG 726 Issues in Professional Writing

Study of some aspect of professional writing not ordinarily offered in the curriculum. Students read, discuss, and write about selected books or other documents related to the field. May be repeated to a total of 6 hours if topic is different. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 730 Ozarks Writing Project

Prerequisite: permission of instructor.

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. May be repeated for up to six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

ENG 732 Seminar: Issues and Trends in English Education

Study of some aspects of English Education not ordinarily in the curriculum. Students read, discuss, and write about selected books and articles related to the field. Variable content course. May be repeated for a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 735 Seminar: Children's Literature

Detailed study of selected works, authors, or themes in children's/young adult literature. May be repeated to a total of 9 hours if topic is different. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 744 Seminar: English Literature Before 1798

Detailed study of selected works, authors, or themes in English literature up to the Romantic Movement. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 748 Seminar: English Literature After 1798

Detailed study of selected works, authors, or themes in English literature since 1798, including the Romantic Movement. May be repeated to a total of 9 hours if the topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 757 Seminar: Early American Literature

Detailed study of selected works, authors, or themes in American Literature to 1900. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 758 Seminar: 20th Century American Literature

Detailed study of selected works, authors, or themes in American Literature, 1900 to the present. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 770 The Teaching of Technical and Professional Writing

Theory and practice of teaching college courses in technical and professional writing. Some consideration of in-service writing courses for business, science, industry, and government.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 771 Professional Writing

Theory and practice of writing and analyzing documents in business, science, and industry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 772 Introduction to Technical Writing

Theory and practice in technical communication and workplace writing. Students will write and analyze documents in business, science, and industry. Using primary and secondary research, students solve problems by developing employment materials, brochures, instructions, graphics, manuals, or other professional

documents. Practice in document design, usability testing, planning and managing projects, and/or communication in management and leadership. Emphasis on audience analysis, including multicultural considerations, as well as on presenting information clearly, concisely, and ethically in both prose and visuals. Recommended for students who do not have a background or undergraduate degree in Technical/Professional Writing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 773 Writing for the Computer Industry

Study and practice in developing user-centered computer system documentation. Topics include working with workplace and user communities to develop content; formatting, organizing, and designing information; and user analysis and testing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 774 Professional Writing Internship

Prerequisite: permission of instructor.

Projects in technical and professional writing, combining academic training and supervised work experience in business and industry. Students are required to work a minimum of 150 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 775 Designing Technical Documents

Producing, analyzing, and adapting technical documents to meet the needs of diverse clients.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 777 Professional Editing

Current practices in editing and publishing in hard-copy and electronic formats. Group and individual projects involving diverse fields, audiences, and formats; topics include copyediting, content editing, usability editing, author-editor relations, and the production process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 780 Seminar: Intellectual Backgrounds of Literature in English

Relation of basic intellectual and social ideas to the form, content, production/publication, and distribution of selected literary works or genres. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 781 Rhetorical Criticism

Study of rhetorical and metalinguistic approaches to analyzing literature, with applications of theory to particular works.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ENG 785 Seminar: Critical Theories

Literary criticism, with emphasis upon modern, critical practice; application of theory to particular problems. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 786 Seminar: Form and Theory of Poetry and Prose

Designed for creative writers. Detailed study of traditional literary forms in poetry, drama, or fiction and the new forms that have grown out of them. Discussion of interaction between structure and content. Variable Content

Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENG 792 Linguistics in Rhetoric and Composition

Applications of linguistic models to rhetorical theory and/or the teaching of composition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ENG 793 Seminar: Linguistics

Topics in historical, theoretical, or applied linguistics. May be repeated to a total of 9 hours if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 796 Seminar: Assessment in Teaching English to Speakers of Other Languages (TESOL)

Prerequisite: ENG 605 and ENG 695.

Advanced course on assessment issues as they affect English language learners. Includes regulations related to the assessment and testing of English learners, language proficiency assessment, classroom-based assessment, and the creating and evaluation of language testing instruments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ENG 797 Advanced Practicum in Teaching English to Speakers of Other Languages (TESOL)

Prerequisite: ENG 605 and ENG 695.

Application of coursework in TESOL with individualized teaching experience with English learners. Includes reflective practice and the implementation of a culminating project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

ENG 799 Thesis


Prerequisite: permission of the Director of Graduate Studies in English.

Independent research and study connected with preparation of thesis.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |




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Master of Applied Second Language Acquisition

Dr. Luciane Maimone, Program Director

Siceluff Hall, Room 139

Phone 417-836-5869

LucianeMaimone@missouristate.edu

Program description

The Master of Applied Second Language Acquisition (MASLA) is a flexible degree program that combines training in topics pertinent to second language acquisition theory and practice, including linguistics, research and teaching methods, and materials and assessment design, with advanced discipline-specific coursework focused on the areas of TESOL, Spanish and French. It is designed for anyone with an interest in teaching one of these languages, including currently certified teachers. MASLA graduates will be well qualified to teach languages in a variety of settings, both in the United States and abroad.

Admission requirements

In addition to the general requirements outlined in the Admission to Graduate Study section of the Graduate Catalog, applicants for admission to the MASLA program must fulfill the following requirements:

1. Hold a bachelor's degree in English, French, or Spanish, or a bachelor's degree in another field and significant course work and/or experience relating to the focus areas of this program (linguistics, language teaching, foreign language proficiency, etc.);
2. Have a minimum overall GPA of 3.00 in all previous university-level course work;
3. Submit a completed Missouri State University Graduate Application;

All candidates must apply to one of the following language tracks:

Teaching English to Speakers of Other Languages (TESOL)

Candidates wishing to pursue the TESOL track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the English department);
- A personal statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in TESOL);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A writing sample (a 10-12 page academic paper written in English).

French

Candidates wishing to pursue the French track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the Modern and Classical Language Department);
- A personal statement in the target language (an essay of at least 350 words addressing the reasons and goals behind the applicant's interest in graduate studies in French language learning and teaching);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A rating of at least Intermediate High on the ACTFL Writing Proficiency Test dated within the past three years;
- A rating of at least Intermediate High on the ACTFL Oral Proficiency Test dated within the past three years.

Spanish

Candidates wishing to pursue the Spanish track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the Modern and Classical Language Department);
- A personal statement in the target language (an essay of at least 350 words addressing the reasons and goals behind the applicant's interest in graduate studies in Spanish language learning and teaching);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A rating of at least Intermediate High on the ACTFL Writing Proficiency Test dated within the past three years;
- A rating of at least Intermediate High on the ACTFL Oral Proficiency Test dated within the past three years.

Applicants will be notified once their application is complete. Students who do not meet GPA and/or language proficiency requirements but who show high promise may be admitted conditionally. As conditions of admission, they may be required to take extra courses to make up deficiencies (including weaknesses in writing) or they may have other requirements stipulated.

Transferred Courses

Candidates may transfer up to nine hours in course work taken at other regionally accredited institutions into the MASLA program. However, any decision regarding credit for transferred courses is subject to the terms of the Transfer Credit policy outlined in the Graduate Catalog.

Double counting of course work

MASLA student may double count toward the MASLA all 15 hours of course work taken as part of the Graduate Certificate in TESOL. Up to nine hours of course work may double count toward the MASLA and the M.A. in English or Writing.

Teacher Certification/TESOL Endorsement

The MASLA is not a teacher certification program and does not contain a certification or endorsement option. One of the purposes of the program is to allow presently certified foreign language teachers to pursue a master's degree in their fields. Prospective MASLA candidates who are not certified to teach in Missouri but who wish to seek certification in Spanish or French or to add an ELL endorsement to an existing certification should speak with an advisor in the Department of English or in the Department of Modern and Classical Languages.

Accelerated Master's Degree Option

Missouri State University Bachelor of Science in Modern Language majors who meet all MASLA admissions requirements may apply for preliminary acceptance into the program. If accepted, they may apply up to 9 hours in graduate course work toward both their undergraduate degree and the MASLA.

Accelerated option students may only count one MASLA core course ([MCL 691](https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL691) (https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL691) or [MCL 710](https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL710) (https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL710)) toward both degree programs. The other two courses must be language track required or elective courses with the same course prefix as their BSML concentration. Accelerated master's students must use a mixed-credit permission form to obtain approval for the courses they wish to count toward both degree programs.

Students interested in the accelerated master option should meet with their undergraduate advisor and with the MASLA program director to determine eligibility and apply during the second semester of their junior year.

Program requirements (33 hours)

In consultation with the program director and faculty advisors, all degree candidates complete the 15-hour Second Language Acquisition core and one of the three 12-hour language tracks, for a total of 27 hours of coursework. a 6-hour research requirement brings the total program hours to 33.

Second language acquisition core

All candidates must complete the following 15-hour core:

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| ENG 691 OR MCL 691 | Linguistics Theory OR Principles of Linguistics | 3 hrs |
| ENG 695 OR MCL 695 | Principles of Second Language Acquisition OR Principles of Second Language Acquisition | 3 hrs |
| ENG 700 OR MCL 710* | Introduction to Research Methods in English OR Research Methods in Second Language Acquisition | 3 hrs |
| ENG 605 OR MCL 700* | Methods in TESOL OR Advanced Teaching Methods and Technology | 3 hrs |
| ENG 696 OR MCL 706* | Materials and Assessment in TESOL OR Materials and Assessments in Foreign Language Teaching | 3 hrs |

*Candidates pursuing the TESOL track are encouraged to enroll in the ENG-coded classes, whereas those pursuing tracks in French or Spanish should enroll in the MCL-coded classes. However, with advisor approval, candidates may take either ENG- or MCL-coded classes in the core regardless of the track. Students seeking the Missouri K-12 ELL endorsement must enroll in the ENG-coded core courses. MCL-coded courses will not count toward ELL certification.

Language Track

All candidates must complete one of the following 12-hours language tracks:

Teaching English to Speakers of Other Languages (TESOL)

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| ENG 690 | Grammatical Analysis | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| ENG 793 | Seminar: Linguistics (may be repeated with different topics. | 3 hrs |
| ENG 792 | Linguistics in Rhetoric and Composition | 3 hrs |
| ENG 689 | Studies in Linguistics | 3 hrs |
| 700-level ENG course | Any advisor-approved 700-level English course in literature, composition, rhetoric, foreign language teaching, or literacy and special education. | 3 hrs |

French

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| FRN 690 | Advanced French Grammar | 3 hrs |
| FRN 725 | Seminar in Francophone Literature and Culture | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|---|---|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| FRN 624 | Advanced Topics in Francophone Linguistics | 3 hrs |
| MCL 688 | Sociolinguistics for Language Teachers | 3 hrs |
| MCL 650 | Advanced Study Abroad | 3-6 hrs |
| MCL 697 | Topics for Teachers of Foreign Languages | 1-6 hrs |
| MCL 701 | Applied Foreign Language Practicum | 1-3 hrs |
| MCL 724 | Seminar in Linguistics for Foreign Languages | 3 hrs |
| RDG 660 | Diversity Issues in Literacy and Content Area Instruction | 2 hrs |
| 700-level FRN or MCL course | Any advisor-approved 700-level FRN or MCL course | 3 hrs |

Spanish

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SPN 690 | Advanced Spanish Grammar | 3 hrs |
| SPN 725 | Seminar in Hispanic Literature and Culture | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |

| Course Code | Course Title | Credit Hours |
|---|--|---------------------|
| MCL 688 | Sociolinguistics for Language Teacher | 3 hrs |
| MCL 650 | Advanced Study Abroad | 3-6 hrs |
| MCL 697 | Topics for Teachers of Foreign Languages | 1-6 hrs |
| MCL 701 | Applied Foreign Language Practicum | 1-3 hrs |
| MCL 724 | Seminar in Linguistics for Foreign Languages | 3 hrs |
| SPN 610 | Advanced Translation | 3 hrs |
| SPN 624 | Advanced Topics in Hispanic Linguistics | 3 hrs |
| 700-level SPN or MCL course | Any advisor-approved 700-level SPN or MCL course | 3 hrs |

Research requirement

All candidates complete a 6-hour research requirement. They may either write a thesis and enroll in 6 thesis supervised hours (ENG 799 or MCL 799) or complete 1 degree paper and 6 hours of advisor-approved electives. For non-TESOL track candidates, one of those courses must be MCL 798. Further details regarding the procedures for proposing and writing degree papers are available in the MASLA Student Handbook.

Examination requirement/comprehensive examination

All candidates will take a comprehensive examination consisting of two sections, one focused on issues related to second language acquisition theory and practices and another relating to their chosen language track. Further details regarding the content and format of the comprehensive are available in the MASLA Student Handbook.

Language proficiency requirement

TESOL Track Candidates. TESOL track candidates must provide evidence of intermediate-level proficiency in a language other than English. The language proficiency requirement may be met through one of the following options: (a) completion of 12 hours of undergraduate coursework in a foreign language with at least a C average; (b) completion of the second intermediate foreign language college course with a grade of C or higher; or (c) passing a reading competency test equivalent to the level of the second intermediate foreign language college course administered by the Department of Modern and Classical Languages. A TESOL track candidate whose native language is not English will be considered to have met the language requirement.


French and Spanish Track Candidates. French and Spanish track candidates must demonstrate speaking and writing proficiency consistent with the Advanced level on the ACTFL scale by presenting official ratings of at least Advanced Low on the ACTFL OPI and WPT dated within two years of their anticipated graduation date or through successful completion of MCL 735.




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Lanette Cadle, Graduate Director

Siceluff Hall, Room 234

Phone 417-836-5107

LLCadle@MissouriState.edu (<mailto:LLCadle@MissouriState.edu>)

Mission

The MA in English seeks to impart advanced skills in writing, critical reading, and the analysis of language, as well as a broad, general knowledge of literature. Varying with students' interests, the MA prepares graduates for doctoral study and for careers in writing, teaching, and other professions.

Program description

Students complete a core of 18 hours and specialize in one of three tracks: (1) literature, (2) creative writing, or (3) TESOL.

Admission requirements

Due Dates: Admission applications are reviewed year-round, but applicants who are also applying for Graduate Assistantship positions in the English Department should make sure to submit all required application materials, for both admission and an assistantship, by March 1. (Review of English Department assistantship applications typically takes place in March, and the assistantship awards themselves typically begin during the following August.)

Admission to the program is based on the following components and Application Requirements/Deadlines:

1. A bachelor's degree with undergraduate preparation in English or, in the case of applicants interested in TESOL, course work in language and linguistics;
2. A minimum GPA of 3.00 overall;
3. A completed Missouri State University Graduate Application; and
4. The following materials must be submitted:
 - A personal statement (a 200- to 250-word description of the reasons and goals behind your interest in English graduate studies);
 - At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
 - A 10-15 page writing sample or a set of writing samples totaling 10 to 15 pages;
 - Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the English Department).

Applicants will be notified by mail once their application is complete. Students who do not meet 1 and 2, above, but show high promise, may be admitted conditionally. As conditions of admission, they may be required to take extra courses to address deficiencies (including weaknesses in writing) or they may have other requirements stipulated.

Core requirements (18 hours)

All students in the MA program in English must complete the following 18-hour core:

- 3 hours - [ENG 700](#) Introduction to Research Methods in English
- 3 hours - Early English Literature ([ENG 613](#), [615](#), [641](#), [643](#), [698](#), [744](#))
- 3 hours - Linguistics ([ENG 688](#), [689](#), [690](#), [691](#), [695](#), [698](#), [792](#), [793](#))
- 6 hours - Seminar ([ENG 710](#), [711](#), [712](#), [720](#), [721](#), [722](#), [725](#), [735](#), [744](#), [748](#), [757](#), [758](#), [780](#), [785](#), [786](#), [792](#), [793](#), [796](#))
- 3 hours - Theory Component ([ENG 627](#), [628](#), [687](#), [688](#), [689](#), [690](#), [691](#), [695](#), [720](#), [721](#), [722](#), [725](#), [781](#), [785](#), [786](#), [792](#), [793](#))
- **18 hours - Total**

Additional degree requirements (minimum of 15 hours)

1. **Track Options & Requirements.** The different tracks described below outline 15 additional hours of graduate-level course work. Students should choose electives with an awareness that at least half the credit hours applied toward the 33 hour requirement must be in courses numbered 700 or above.
2. **Language Proficiency.** The language requirement may be met through one of the following options:
 - (a) completion of 12 hours of undergraduate course work in a foreign language with at least a "C" average;
 - (b) completion of the second intermediate foreign language college course with a grade of "C" or higher; (c)

completion of 6 hours of undergraduate course work in one foreign language with at least a "C" average and completion of 6 hours of undergraduate course work in a second foreign language with at least a "C" average; (d) passing a reading competency test equivalent to the level of the second intermediate foreign language college course administered by the Department of Modern and Classical Languages; or with advisor's permission; (e) completion of an additional 3 hours of graduate-level linguistics course work (raising the student's degree minimum to 36 hours). M.A., English student in the TESOL track must meet this requirement through a, b, c, or d above. Any M.A., English student whose native language is not English will be considered to have met the language requirement.

3. **Research Requirement.**

Thesis: The thesis will ordinarily involve research on an original subject or an original approach to a subject. When appropriate, the thesis may be a creative work. Credit for the thesis ([ENG 799](#)), up to 6 hours, may apply to the minimum 33 hours required for the degree. A student must submit, and have approved, a formal thesis proposal before embarking on a thesis project and enrolling in [ENG 799](#), Thesis.

Degree Papers: The paper may be a critical, interpretive, or investigative study of an original topic or an original treatment of a subject, based on primary sources. When appropriate, the paper may be creative work. The project must derive from a course taken to satisfy a degree requirement

4. **Colloquia.** Students are expected to attend and participate in academic and professional activities. These may be scheduled by the department or may include university and community events (scholarly conferences, professional workshops, lectures, and presentations).

5. **Comprehensive Examination.** The graduate student in English takes the comprehensive examination during the last semester of course work or later.

The comprehensive examination for the MA in English is based on reading lists that reflect the student's particular degree emphasis. Each student will prepare for two examination areas, and write two, two-hour essays. Students should begin preparing for the examination early in their graduate studies.

Creative Writing track

In addition to the core and degree requirements listed above, students choosing the graduate track in creative writing must complete the following courses:

- 6 Hours - Advanced writing ([ENG 601](#), [604](#), [606](#), [607](#), [701](#), [707](#), [708](#))
- 3 Hours - [ENG 651](#)
- 6 Hours - [ENG 799](#) Thesis or alternative 700-level course work and a degree paper

Literature track

In addition to the core and degree requirements listed above, students choosing the graduate track in literature must complete the following courses:

- 9 Hours - Electives in literature, linguistics, theory, writing
- 6 Hours - [ENG 799](#) Thesis or alternative 700-level course work and a degree paper

TESOL track

Students choosing the graduate track in TESOL (Teaching English to Speakers of Other Languages) must satisfy the following course work as part of their core requirements: [ENG 688](#), [691](#), [695](#), [793](#) and [796](#). In addition to the core and degree requirements listed above, these students must also complete the following courses:

- 9 Hours - Courses in linguistics and TESOL
 - [ENG 688](#)
 - [ENG 605](#)
 - 1 from or [ENG 690](#) or [ENG 792](#) or [ENG 689](#)
- 6 Hours - [ENG 799](#) Thesis or alternative 700-level course work and a degree paper





For descriptions of the TESOL graduate certificate program and the Missouri DESE ELL (English Language Learners) K-12 Endorsement requirements, see the [TESOL Certificate](#) (<https://english.missouristate.edu/TESOLCertificate/default.aspx>) website. Students may also consult with the Coordinator of the TESOL program, Dr. Yili Shi.



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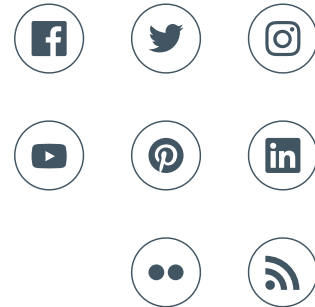
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Secondary Education: English Area of Emphasis



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Master of Science in Education, Secondary Education: English Area of Emphasis

Contact area of emphasis advisor Heidi Hadley.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Accelerated Master's Degree Option - MSEd, Secondary Education, English

The MSEd, Secondary Education, English accelerated master's degree option provides exceptional MSU undergraduate students the opportunity to enroll in a combined baccalaureate and master's degree program.

Eligible BSEd majors may apply for preliminary acceptance into the MEd, Secondary Education, English program after admission requirements for the accelerated master's degree option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level English courses that apply to both their undergraduate and graduate programs. Before enrolling in courses for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the English Education Program Coordinator, the ENG Department Head, and the Graduate College. This is done by using a mixed credit form. A student will be fully admitted to the Graduate College upon completion of the requirements for the baccalaureate degree, provided the student meets all other requirements for admission to the Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Requirements for Accelerated Master's Degree Option - MEd, Secondary Education, English

1. Junior standing, with an overall GPA of 3.25
2. Proclaimed BSEd major
3. For middle education majors: Accepted into the teacher education program
4. For secondary education majors: Accepted into the teacher education program
5. Other BSEd majors: Contact the graduate English Education program coordinator
6. Recommendation of a faculty member in the English department

Graduate Coursework in English Taken by Undergraduates and Accepted into the Accelerated Master's Option:

Once accepted, students will be able to take up to 12 hours of graduate-level English courses that apply to both their undergraduate and graduate programs. Students will choose from the following:

1. [ENG 613](#) (3 hrs)
2. [ENG 631](#) (3 hrs)
3. [ENG 629](#) (3 hrs)
4. [ENG 636](#) (3 hrs)
5. [ENG 665](#) (3 hrs)
6. [ENG 672](#) (3 hrs)

Undergraduate prerequisites for regular admission to MEd, Secondary Education, English

The applicant must be certified or certifiable in English in the state of Missouri upon completion of the minimum 15 hours in English. Before beginning the MEd (English) program, the applicant should have completed (and attained a minimum 3.00 GPA in) at least one composition course beyond freshman level, one course in the English language, and 12 hours of survey or period courses in British and American literature.

Program requirements in English

(15-21 hours of graduate course work)

1. **ENG 629 Composition (3 hrs).** Students who have used ENG 520/629 as part of their undergraduate degree course work will substitute another course approved by the Graduate Director or English Education advisor.





2. **ENG 613 Shakespeare (3 hrs)** or another single-author course. Undergraduate course work may **not** be applied.
3. **One course in a literary genre (3 hrs)** such as fiction, poetry, or drama.
4. **English Electives (6-12 hrs)** chosen with a student's advisor. Including at least 3 hours of 700-level course work, students must complete a minimum of 15 total hours in English graduate courses. With permission of the advisor, a student may apply 3-6 additional hours in English electives (21 total) to the 33 hour degree minimum.
5. **Research Requirement.** Candidates for the MEd (English) may satisfy their research requirement by completion of either a thesis or a degree paper. The subject of their research may derive from course work in education or English, and, when appropriate, may feature creative work.
6. **Comprehensive Examination.** This exam is taken the semester course work is completed, or later. The examination is based on reading lists that reflect English and education content areas. Each student will prepare for two examination areas, writing two 60-minute essays and three 30-minute essays. Students should begin preparing for the examination early in their graduate studies.



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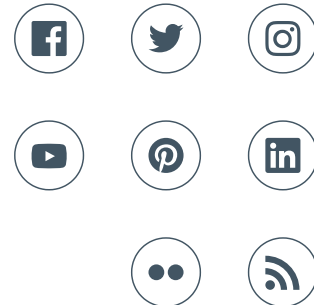
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Master of Arts, Writing

Lanette Cadle, Graduate Director

Siceluff Hall, Room 234

Phone 417-836-5107

LLCadle@MissouriState.edu (<mailto:LLCadle@MissouriState.edu>)

Mission

The MA in Writing pursues several objectives: to develop research methods used to study the teaching of writing or the practice of writing in business and industry; to improve students' professional writing skills; to train effective writing teachers and professional writers; to collaborate with area schools, businesses, and industry on issues related to written communication and literacy.

Program description

The 33-hour program includes a core of 9 hours and one of two tracks: (1) rhetoric and composition or (2) technical and professional writing.

Admission requirements

Due Dates: For students applying for Summer and Fall semester, priority consideration will be given to applications received by March 1; for Spring, by October 1.

Admission to the program is based on the following components and Application Requirements/Deadlines:

1. A bachelor's degree with extensive preparation in English (the course work equivalent of an English minor);
2. A minimum GPA of 3.00 overall;
3. A completed Missouri State University Graduate Application; and
4. The following materials must be submitted:
 - a. Personal Statement (a 200- to 250-word description of the reasons and goals behind your interest in English graduate studies);
 - b. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
 - c. A writing sample (a 10-15 page critical paper in English or portfolio of writing samples);
 - d. Graduate Assistantship application if the prospective student would like to be considered for this award (submitted directly to the English Department).

Applicants will be notified by mail once their application is complete. Students who do not meet 1 and 2, above, but show high promise, may be admitted conditionally. As conditions of admission, they may be required to take extra courses or make up deficiencies (including weaknesses in writing) or they may have other requirements stipulated.

Core requirements (9 hours)

All students in the MA program in Writing must complete the following 9-hour core:

- [ENG 700](#) Introduction to Research Methods in English (3 hrs)
- [ENG 604](#) Advanced Writing: Nonfiction (3 hrs)
- [ENG 628](#) Modern Rhetorical Theory or [ENG 684](#) Topics in Professional Writing (3 hrs)
- **Total 9 Hours**

Additional degree requirements

(A minimum of 24 hours)

1. **Track Options and Requirements.** The tracks described below outline a minimum of 24 additional hours of graduate-level course requirements and electives. Students should choose electives with an awareness that at least half the credit hours applied toward the 33-hour minimum must be in courses numbered 700 or above. Students must choose a program track before filing a Program of Study.
2. **Language Proficiency.** The language requirement may be met through a number of options: (a) completion of 12 hours of undergraduate course work in a foreign language with at least a "C" average; (b) completion of a second intermediate college course in a foreign language with a grade of "C" or higher; (c) passing a reading competency test administered by the Department of Modern and Classical Languages; (d) completion of 3 hours in graduate-level linguistics courses (in addition to any linguistics counted in the

track); (e) completion of 6 hours of undergraduate course work in computer languages with at least a "C" average). A student whose native language is not English will be considered to have met the language requirement.

3. **Research Requirement.** A student may satisfy the research requirement by completing a thesis or by completing a degree paper deriving from an appropriate course taken to satisfy a degree requirement.
4. **Colloquia.** Students are expected to attend and participate in academic and professional activities. These may be scheduled by the department or may include university and community events (scholarly conferences, professional workshops, lectures, and presentations).
5. **Comprehensive Examination.** Graduate students in the MA in Writing take the comprehensive examination during the last semester of course work or later. The exam is administered in two parts: written and oral. During the written examination the student answers two questions (one in each of two 90-minute sessions). Students must pass both written essays in order to pass the written examination. During the oral examination, the student will respond to questions based on the student's writing portfolio.
6. **Writing Portfolio.** All candidates for the MA in Writing must submit a portfolio of writing projects (which should include thesis or degree papers) developed during their studies. This portfolio will be evaluated and discussed as part of the oral component of the student's comprehensive examination.

Accelerated Master's requirements - available only for the MA, Writing, Technical and Professional Writing track

Admission Requirements:

1. Junior standing, with an overall GPA of 3.25 or higher;
2. Undergraduate major in Professional Writing;
3. A minimum GPA of 3.25 in all Professional Writing courses, and a minimum of 9 hours in Professional Writing with no grade below B in Professional Writing courses;
4. Recommendation from two Professional Writing faculty members.

Once accepted, students may take up to 12 credit hours at the 600 level that will apply to both their undergraduate and graduate degrees in Professional Writing. Before enrolling in a course to be counted as both undergraduate and graduate credit, undergraduate students must be accepted into the accelerated master's program and complete a Mixed Credit Form. Acceptance into the program and all approvals must be completed before the end of the Change of Schedule Period for the course(s) to apply to the accelerated degree.

Technical and Professional Writing Track

In addition to the core and degree requirements listed above, students choosing the Technical and Professional Writing track must complete the following courses:

- [ENG 771](#) Professional Writing (3 hrs)
- [ENG 774](#) Professional Writing Internship (3 hrs)
- [ENG 775](#) Designing Technical Documents (3 hrs)

And 15 hrs from the following:

- [ENG 672](#) Writing Grant Proposals (3 hrs)
- [ENG 678](#) Writing for the Health Professions (3 hrs)
- [ENG 679](#) Writing for the Web (3 hrs)
- [ENG 694](#) Technical Writing Internship (3 hrs)
- [ENG 726](#) Issues in Professional Writing (3 hrs)

- [ENG 770](#) Teaching of Technical and Professional Writing (3 hrs)
- [ENG 773](#) Writing for the Computer Industry (3 hrs)
- [ENG 777](#) Professional Editing (3 hrs)
- [ENG 799](#) Thesis (6 hrs)
- Graduate-level courses in ENG or approved cognate (3 hrs)

Rhetoric and Composition track

In addition to the core and degree requirements listed above, students choosing the Rhetoric and Composition track must complete the following courses:

- [ENG 627](#) History of Rhetoric (3 hrs)
- [ENG 720](#) Seminar: Composition Theory (3 hrs)
- [ENG 721](#) Theory of Basic Writing (3 hrs)

And 15 hours from the following:

- [ENG 623](#) Writing Center Theory and Practice (3 hrs)
- [ENG 629](#) Composition and Rhetoric in High School and Junior College (3 hrs)
- [ENG 722](#) Literacy Theory and Composition (3 hrs)
- [ENG 725](#) Seminar: Composition and Rhetoric (3 hrs)
- [ENG 792](#) Linguistics in Rhetoric and Composition (3 hrs)
- Graduate-level courses in ENG or approved cognate area (3-9 hrs)



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Missouri State

Graduate College

Graduate Catalog

Teaching English to Speakers of Other Languages (TESOL)



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Graduate programs

Certificate in Teaching English to Speakers of Other Languages (TESOL)

Yili Shi, Certificate Advisor

Siceluff Hall, Room 201; Phone 417-836-4795

YiliShi@MissouriState.edu (<mailto:YiliShi@MissouriState.edu>)

Andrea Hellman, i-ELTS Certificate Advisor

Siceluff Hall, Room 205; Phone 417-836-4846

AndreaBHELLman@missouristate.edu (<mailto:AndreaBHELLman@missouristate.edu>)

Program description

The Graduate Certificate in TESOL provides a 15-hour graduate-level experience for people who already hold a bachelor's degree (or higher) in some area and who are interested in teaching English to adults, either abroad or in the U.S. The program includes courses in applied linguistics as well as in pedagogical concerns. (The certificate is not Missouri Department of Elementary And Secondary Education (DESE) K-12 endorsement for teaching in state-funded schools but will provide a foundation for those credentials. For information on the DESE requirements, see below).

Admission criteria

To be considered for the program, a student must have a bachelor's degree from a regionally accredited college or university, with at least a 3.00 undergraduate grade point average and no grade lower than a "B" in any graduate courses (if any have been taken). The student must submit a Graduate Application. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program. Students who are already graduate students at MSU may apply to the certificate program as well (except for students in the M.A. in English with an emphasis in TESOL program).

Required courses (15 hours total)

| Course Code | Course Title | Credit Hours |
|--------------------------|---|--------------|
| ENG 691* | Linguistic Theory | 3 hrs |
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| ENG 695 | Principles of Second Language Acquisition | 3 hrs |

* If a student has already taken an introduction to linguistics at the undergraduate level, he/she may, with the approval of the certificate advisor, substitute a different course for ENG 691 from the list of elective courses below, or another graduate course in linguistics with the consent of the certificate advisor.

Two courses from:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ENG 605 | Methods in Teaching English to Speakers of Other Languages (TESOL) | 3 hrs |
| ENG 690 | Grammatical Analysis | 3 hrs |
| ENG 696 | Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL) | 3 hrs |

Transferred course work

Students may transfer one course taken from a different regionally-accredited institution into the certificate program, with the approval of the certificate advisor and following MSU's policy on transfer credit. (See the Graduate College section on Transfer Credit for these policies).

Double counting courses

Students may not count the same course more than once within the certificate program itself. Students may count toward the graduate certificate in TESOL any of the courses listed above that have been taken as part of the M.A. in English or the M.A. in Writing. Double counting in other programs may be allowed with the consent of the certificate advisor and the student's major advisor.

Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.

DESE English Language Learners (ELL) Endorsement

A student can receive the Missouri Department of Elementary and Secondary Education (DESE) English Language Learners (K-12) endorsement (sometimes known as TESOL certification):

1. Completing a bachelor's degree;
2. Holding a Missouri teaching certificate in any other area (e.g. elementary education, secondary English);
3. Completing the following professional education requirements (may be taken as part of bachelor's degree):
[SPE 310](#) or [SPE 715](#); [RDG 474](#) or [RDG 710](#); [RDG 574](#) or [RDG 640](#);
4. Completing the course requirements outlined below. It is recommended, though not required, that the student have course work in a foreign language or have a foreign cultural experience.

DESE ELL Endorsement requirements (21 hours)




| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| ENG 690 | Grammatical Analysis | 3 hrs |
| ENG 691 | Linguistic Theory | 3 hrs |
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| ENG 695 | Principles of Second Language Acquisition | 3 hrs |
| ENG 696 OR ENG 796 | Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL) OR Seminar: Assessment in Teaching English to Speakers of Other Languages (TESOL) | 3 hrs |
| ENG 605 | Methods in Teaching English to Speakers of Other Languages (TESOL) | 3 hrs |
| ENG 697 OR ENG 797 | Practicum in Teaching English to Speakers of Other Languages (TESOL) OR Advanced Practicum in Teaching English to Speakers of Other Languages (TESOL) | 3 hrs |

NOTE: All students must have a 2.75 GPA or higher (Missouri State and transfer grades combined) in the certification subject area. Students must earn a "C" or higher in all courses counting toward state certification.



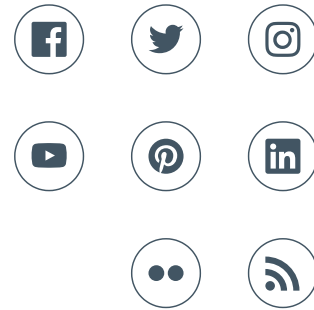


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Graduate Catalog

Teaching of Writing K-12



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Graduate programs

Certificate in Teaching of Writing K-12

Keri Franklin, Program Coordinator

Linda Trinh Moser, Program Advisor

Department of English

215 Sicheluff

Phone 417-836-5107

kfranklin@missouristate.edu (mailto:kfranklin@missouristate.edu)

[lmoser@missouristate.edu](mailto:LMoser@MissouriState.edu) (mailto:LMoser@MissouriState.edu)

Program Description

The Graduate Certificate in the Teaching of Writing K-12 provides a 15-hour graduate-level experience for educators (postbaccalaureate or those who already have a MA or are enrolled in MA degree programs) wishing to meet professional development requirements in the teaching of writing. Students will gain a deep understanding of the teaching of writing through a combination of working on their own writing, reflecting on

their teaching practices, and reading current research in writing pedagogy, composition, and literacy. Following the National Writing Project model of “teachers teaching teachers,” participants will share successful writing activities through demonstrations and develop and implement curriculum. They will formulate research questions about their teaching practices and document the effects of their instruction by collecting and analyzing student work. Upon completion of the certificate, educators are ideally suited to fulfill leadership roles in collaborative teaching projects and in professional development offerings related to improving writing instruction.

This certificate is a Missouri State University Certificate and **does not** meet DESE Certification requirements for teaching.

Admission Criteria

To be considered for the program, a student must submit a Graduate Application; have successfully completed the Invitational Summer Institute ([ENG 730](https://www.missouristate.edu/registrar/catalog/courses_en.htm#ENG370) (https://www.missouristate.edu/registrar/catalog/courses_en.htm#ENG370) or the equivalent at a National Writing Project site) with a “B” grade or better; and hold a Bachelor’s degree in English or related field. Students who hold a Bachelor’s degree in a discipline other than English may be admitted to the GCTW program if they can demonstrate a commitment to teaching writing within their own discipline as a central component of their pedagogy. Such a commitment can be demonstrated in the statement of purpose or letters of recommendation.

The following additional required application materials must also be submitted:

- A Statement of Purpose, approximately 500-750 words describing academic and/or professional objectives, teaching philosophy, approach and demonstrating a commitment to teaching writing; and
- Two letters of recommendation from people who can speak to your academic and/or professional experience and expertise.

Required Courses: 15 hours total

Core Courses: Choose 9 hours from:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ENG 730 | Invitational Summer Institute | 3-6 hrs |
| ENG 631 | Writing for Teachers | 3 hrs |
| ENG 720 | Composition Theory | 3 hrs |
| ENG 732 | Seminar: Issues and Trends in English Education | 3 hrs |

Additional Courses: Choose 6 hours from:

| Course Code | Course Title | Credit Hours |
|-------------------------|------------------------------------|--------------|
| ENG 604 | Advanced Writing: Non-Fiction | 3 hrs |
| ENG 623 | Writing Center Theory and Practice | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--------------------------|--|--------------|
| ENG 629 | Composition & Rhetoric in High School and Junior College | 3 hrs |
| ENG 631* | Writing for Teachers | 3 hrs |
| ENG 639 | Advanced Writing for Children and Young Adults | 3 hrs |
| ENG 665 | Literature and Language Workshop | 3 hrs |
| ENG 672 | Writing Grant Proposals | 3 hrs |
| ENG 678 | Writing in the Health Professions | 3 hrs |
| ENG 679 | Writing for the Web | 3 hrs |
| ENG 684 | Topics in Professional Writing | 3 hrs |
| ENG 704 | Teaching Writing Online | 3 hrs |
| ENG 720* | Composition Theory | 3 hrs |
| ENG 721 | Theory of Basic Writing | 3 hrs |
| ENG 725 | Seminar: Composition and Rhetoric | 3 hrs |
| ENG 732* | Seminar: Issues and Trends in English Education | 3 hrs |
| ENG 770 | The Teaching of Technical & Professional Writing | 3 hrs |

* Cannot be counted as an “additional course” if taken as a core class.


Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.




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Technical and Professional Writing



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Certificate in Technical and Professional Writing

Lanette Cadle, Graduate Director

Siceluff Hall, Room 234

Phone 417-836-5107

LLCadle@MissouriState.edu (<mailto:LLCadle@MissouriState.edu>)

Program description

The graduate-level certificate is a 12-hour program for anyone with an undergraduate degree in any discipline who is interested in strengthening their writing skills and ability to analyze audiences and communicate complex information.

Admission criteria

- Bachelor's degree and a 3.00 GPA.
- All additional University and Graduate College requirements for admission to a certificate program.

Required courses: 12 hours total

Required courses: 6 hours

| Course code | Course title | Credit hours |
|-------------------------|----------------------|--------------|
| ENG 771 | Professional Writing | 3 hrs |
| ENG 777 | Professional Editing | 3 hrs |

Electives: 6 hours

| Course code | Course title | Credit hours |
|--|---|--------------|
| ENG 604 | Advanced Writing: Non-Fiction | 3 hrs |
| ENG 672 | Writing Grant Proposal | 3 hrs |
| ENG 678 | Writing in the Health Professions | 3 hrs |
| ENG 679 | Writing for the Web | 3 hrs |
| ENG 773 | Writing for the Computer Industry | 3 hrs |
| ENG 775 | Designing Technical Documents | 3 hrs |
| ENG 627 OR ENG 628 | History of Rhetoric OR Modern Rhetorical Theory | 3 hrs |


Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.





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Missouri State


Graduate College

Graduate Catalog

School of Communication Studies: Department of Media, Journalism and Film

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Dramatic Writing](#) (MFA)

[Professional Studies: Producing and Screenwriting
Option](#) (MPS)

Certificates

[Screenwriting for Television and Film](#) (Certificate)



General information

Contact

Student activities

An integral part of the Department of Media, Journalism & Film, the mass media program provides a wide range of activities for students. The department maintains an instructional television studio, which provides student programming on Springfield's Cable Channel 22 and KOZL - Channel 27, HEC-TV in St. Louis, and Time Warner Cable 17 in Kansas City. The department also serves in arks Public Television and Springfield's Cable Channel 24. The department also serves in an advisory capacity for the university newspaper, The Standard, and is associated with KSMU-FM (91.1 MHz), the University's National Public Radio affiliate. Our students can gain valuable experience working in each of these areas, as journalists for the newspaper, as producers of television programming, or as student interns at KSMU, the area's FM source of fine arts and informational programming. The student-run Film Society, the Japanese Film Society, and the Academic Media Production Guild are also affiliated with the department. The department maintains a strong internship program with local and regional news organizations, providing an opportunity for students to acquire professional experience at a variety of radio and television stations and newspapers, as well as independent production facilities.

Department head

Mary Jane Pardue

Office

Craig Hall, Room 377

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Andrew Cline

Mary Jane Pardue

Mark Paxton

Associate professors

Richard Amberg

Timothy White

Weiyang Wang

Assistant professors

Holly Holladay

Bobby Lewis

Jonathan Mabee

Andrew Twibell

Senior instructor

Jack Dimond

Instructors

Leonard Horton, III

Cristina Pippa

Emeritus professors

Mark Biggs

Arlen Diamond

Thomas Dickson



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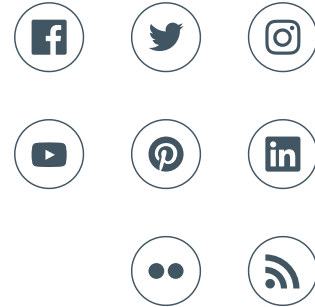
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Graduate Catalog

Media, Journalism, and Film Courses

Journalism (JRN) courses

JRN 607 Media Law

History and application of the speech and press clause of the First Amendment; libel law, privacy law, copyright and other legal matters relating to mass media; relation of media law to journalistic ethics. May be taught concurrently with JRN 407. Cannot receive credit for both JRN 407 and JRN 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

JRN 690 Issues in Journalism

A variable content course addressing topics of current interest as well as timeless issues. May be repeated to a total of 6 hours with permission if topic is different. May be taught concurrently with JRN 590. Cannot receive credit for both JRN 590 and JRN 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

JRN 695 Journalism Internship

Prerequisite: permission of instructor.

Work experience with news organizations. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated for a total of 6 hours. May be taught concurrently with JRN 595. Cannot receive credit for both JRN 595 and JRN 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

Media (MED) courses

MED 610 Playwriting I

An introduction to the craft of playwriting with a focus on process. Students learn dramatic structure, complete writing assignments, and analyze their scripts in workshops before ultimately writing and revising a 20-30 minute one-act play.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 660 Beginning Screenwriting

An introduction to the fundamental craft of writing for film and television. Students will learn format, structure, and the principles of character-based storytelling, as well as the basics of the film and television industry. Combining lectures and workshops, students will focus on scene work before outlining and completing a short film script. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 360. Cannot receive credit for both MED 360 and MED 660 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 661 Sound Mixing

An in-depth exploration of the art of sound design for digital film and TV. Students will learn how to carry out the aesthetic considerations of sound through the mixing process. Emphasis will be placed on advanced sound editing for sub- and final mixing, mix engineering, sound-effect processing and surround-sound practice. Students will learn how to mix a movie's dialogue, sound effects, ambience and music into stereo and surround tracks. May be taught concurrently with MED 561. Cannot receive credit for both MED 661 and MED 561.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Fall |

MED 662 Digital Filmmaking

Prerequisite: MED 461 or MED 462 or MED 465.

A film-style production class in high-definition digital filmmaking. Students will form small production teams to plan, design, and produce short narrative films. May be taught concurrently with MED 562. Cannot receive credit for both MED 662 and MED 562.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

MED 663 Writing Adaptations for Television and Film

Study and practice in adapting material for television or film. During the course, students will select a source to adapt and will outline and begin writing their script. Variable content course. May be repeated when project changes. May be taught concurrently with MED 463. Cannot receive credit for both MED 663 and MED 463 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 664 Genre Writing for Television and Film

An overview of the expectations and requirements of various genres in both film and television. Students will study past, present and possible future trends of each genre in the professional marketplace. The course will focus on what defines audience expectations as students write for different genres. Variable content course. May be repeated when project changes. May be taught concurrently with MED 664. Cannot receive credit for both MED 664 and MED 464 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 667 Intermediate Screenwriting

Writing the feature film screenplay. Students will study format, structure, and the effective tools of screenwriting. The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film. Variable content course. May be repeated when project changes. May be taught concurrently with MED 565. Cannot receive credit for both MED 667 and MED 565 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 668 Writing for Television

This course will focus on the foundations of structure, character, conflict, dialogue, and setting, and how to apply these elements to storytelling on the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series. Variable content course. May be repeated when project changes. May be taught concurrently with MED 566. Cannot receive credit for both MED 668 and MED 566 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 669 Rewriting Film and Television Scripts

Prerequisite: permission of instructor.

An examination of the many phases of rewriting television or feature length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace. Variable content course. May be taught concurrently with MED 567. Cannot receive credit for both MED 669 and MED 567 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 670 Film Theory

An analysis of the art of film by using classical and contemporary film theory to investigate such aspects as the relationship between form and content, visual style, and the nature of pictorial motion. Weekly screenings and discussions of short film excerpts, complete classics and contemporary films. May be taught concurrently with MED 570. Cannot receive credit for both MED 570 and MED 670.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Spring |

MED 671 Writing the Web Series

An advanced practicum in conceiving and collaboratively writing an original episodic series for the web. Students will work together in an intimate writers' room atmosphere to develop original web series for future production at Missouri State. Emphasis will be on sustainable premises, filmable budgets, and compelling character-based conflicts. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 568. Cannot receive credit for both MED 568 and MED 671 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 672 Advanced Screenwriting

Prerequisite: MED 667 or MED 668 or permission of Instructor.

Focus on group discussion and criticism. Students either build on past work to complete a feature length screenplay or else write a new television pilot and series bible. Variable content course. May be repeated up to 6 hours when project changes. May be taught concurrently with MED 569. Cannot receive credit for both MED 672 and MED 569 for the same project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 674 History of Film I

An examination of the evolution of film technique and theory from 1895 to World War II. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required. May be taught concurrently with MED 374. Cannot receive credit for both MED 674 and MED 374.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Fall |

MED 675 History of Film II

An examination of the evolution of film technique and theory from World War II to the present. Emphasis is placed on the social impact of film and on the artistic and technical aspects of the medium. Viewing of selected films outside of class may be required. May be taught concurrently with MED 375. Cannot receive credit for both MED 675 and MED 375.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 680 Media in Politics

An in-depth examination of the role of print and electronic media in American politics. Emphasis is placed on media coverage of government, social issues, and political campaigns. The course examines both the strategies of paid media and the media's coverage of politics as news. May be taught concurrently with MED 580. Cannot receive credit for both MED 580 and MED 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MED 681 Issues in Media Ethics

An investigation of fundamental ethical issues and their implications for media practitioners. Responsibilities of media practitioners to the public, advertising agencies, the government, and special interest groups will be examined. Special attention will be paid to the possibility of conflict between the business of media and general ethical considerations. May be taught concurrently with MED 581. Cannot receive credit for both MED 581 and MED 681.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MED 683 Advanced Television Production

Prerequisite: MED 383.

Principles, skills, and techniques involved in advanced television production. Practical experience in writing, producing, directing and editing non-fiction television content for a video-magazine, news show, and/or promotions. May be taught concurrently with MED 583. Cannot receive credit for both MED 683 and MED 583.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

MED 684 Advanced Producing

This course will present the essential components of entrepreneurial producing, including obtaining investors, pre-sales, international co-financing and production, business negotiations, collaborating with unions and film commissions, procuring A-List talent, and others. Students will workshop an existing feature film with the intentions of "pitching" a modern remake to ideal investors and distribution outlets. Students will design a comprehensive package - including financing, budgeting, marketing and distribution strategy - that is realistic in the contemporary marketplace. May be taught concurrently with MED 582. Cannot receive credit for both MED 684 and MED 582.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 695 Media Internship

Prerequisite: permission of instructor.

Work experience with a professional media organization. The student will be provided an educational opportunity not available through classroom experience. The instructor must approve all necessary paperwork before the student may begin the internship. May be repeated to a total of 6 hours. May be taught concurrently with MED 595. Cannot receive credit for both MED 595 and MED 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

MED 697 Advanced Studies in Media

Prerequisite: permission of instructor.

In-depth examination of a special topic in media. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with MED 597. Cannot receive credit for both MED 597 and MED 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MED 704 Theory and Research in Mass Communication

Survey of theories, models and research in mass communication. Topics include propaganda, attitude change, agenda setting and media effects research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 711 Fundamentals of Screenwriting

An introduction to the fundamental craft of writing for film, television, and the web. Students learn format, structure, and the principles of character-based storytelling, as well as some basics of the film and television industry. Combining lectures and workshops, students focus on scene work before outlining and completing a short film script.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Fall |

MED 712 Feature Film Writing I

The course will include discussion of feature films and their screenplays, as well as the business of professional screenwriting. Students will create a premise, outline their projects, and write the first act of a feature-length film.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Fall |

MED 713 Feature Film Writing II

Prerequisite: MED 712.

Students workshop and complete the scripts for the feature films begun in MED 712.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Spring |

MED 714 Writing Episodic Television

Prerequisite: MED 711.

Focus on the television industry and how to apply the fundamentals of screenwriting to episodic storytelling for the small screen. Students will learn to pitch their ideas effectively to writer-producers and then outline, write, and polish a spec script for a currently running television series.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Spring |

MED 715 Rewriting

Prerequisite: MED 713.

An examination of the many phases of rewriting feature-length screenplays for professional submission. Students will rewrite and workshop their scripts with an eye toward the current marketplace.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Summer |

MED 716 Writing Episodic Pilots

Prerequisite: MED 714 or permission of instructor.

Students will analyze successful series pilots and learn about the process and demands of creating an original television or web series. After selecting an original premise, students then design a series bible, and write a completed pilot episode for a unique television or web series.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Fall |

MED 717 Thesis Script I

Prerequisite: permission of instructor.

Intensive workshop in developing a feature film script aimed for the current marketplace. Class will cover premise selection, outlining, and writing a significant portion of the first draft.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MED 718 Thesis Script II

Prerequisite: MED 717.

Continuation and completion of the screenplay begun in MED 717. Students will complete their first draft and undergo multiple rewrites and polishes to get the script into shape for professional submission.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 719 Portfolio Review

Prerequisite: MED 718 or permission of instructor.

Students will prepare their professional writing portfolio, completing multiple rewrites and polishes to get all components (two features, two shorts, a pilot and spec TV script, and a one-act play) ready for professional submission.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MED 762 TV/Film Producing and Marketing

An in-depth examination of the producer's various roles in television and film production. Practical experience with grant writing, script breakdowns, scheduling, budgets, and business plan development will provide the student with an understanding of the various aspects of production and how the development and structure of the script can affect the production's outcome.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MED 764 Visual Storytelling

An introductory course in cinematic storytelling. Students will write, shoot, and edit short video production projects, analyzing and discussing them in class.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

MED 765 Directing for Film and Stage

An examination of the basic principles, skills, and techniques of directing for both film and the stage. Students will explore techniques for successful script/scene analysis, visualization, collaboration with cast and crew, and set management. They will also learn procedures in selecting, analyzing, casting, and producing a play. Through hands-on assignments students will gain practical experience in both areas of directing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

MED 766 Pre-Production Practicum for Stage and Screen

Prerequisite: MED 682 and MED 762.

Practicum in pre-production for both web series and stage projects.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

MED 767 Staged Production

Prerequisite: MED 766.

Practicum in staging productions for web series and theater.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

MED 781 Producing the Short Film

Prerequisite: permission of instructor.

Practicum in producing a short narrative film. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 782 Producing the Web Series

Prerequisite: permission of instructor.

Practicum in producing a narrative scripted web series. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 783 Producing the Multicam Show

Prerequisite: permission of instructor.

Practicum in producing multicamera studio projects. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 784 Producing the Documentary

Prerequisite: permission of instructor.

Practicum in producing either short or feature documentary project. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 785 Producing the Longform Narrative

Prerequisite: permission of instructor.

Practicum in producing components of feature films. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 786 Producing the Stage Play

Prerequisite: permission of instructor.

Practicum in theater producing. Students will work closely with faculty supervisor. Variable topic course. May be repeated to a total of six hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 792 Independent Study in Media

Prerequisite: permission of instructor.

Supervised independent study in research of theories or application of learning through a creative project. Variable content course. May be repeated to a total of 6 hours if the content of the research or the project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 793 Practicum in Producing or Production

Students will work closely with faculty supervisor to produce and create film, television, or internet projects. Particular focus on leadership and communication skills, as well as using technology appropriate to the professional workplace. Variable topic course. May be repeated to a total of 6 hours with permission of the department when project is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MED 794 Practicum in Playwriting

Prerequisite: permission of instructor.

Supervised independent writing project in playwriting. Variable content course. May be repeated to a total of six hours if the content of the research or the project is different.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |




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Dramatic Writing



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Master of Fine Arts, Dramatic Writing

Cristina Pippa, Program Director

Craig Hall, room 376

Phone: (417) 836-3266

CristinaPippa@missouristate.edu (mailto:CristinaPippa@missouristate.edu)

Program description

Advanced study in Dramatic Writing for film, television, web, and the stage. The curriculum is designed to prepare students for a wide variety of professional writing outlets. While completing the program, students will not only learn crucial story skills and writing tools, but also become comfortable expressing their unique voices within the screenwriting and playwriting formats. They will create a strong and diverse portfolio across a variety of media. In addition to learning the craft of writing, students will focus on how to create material designed for independent production.

To complement this education, the curriculum also focuses on teaching skills that will empower writers to bring their own dramatic work to life. Students will gain fundamental skills of film and theatre producing, as well as above-the-line video production skills. They will also have opportunities for expanding their knowledge through either academic study, hands-on-experience, or a mixture of both. This program ultimately aims to empower future writers by teaching them not only the craft of writing, but also the professional expectations of the

industry. Students will gain hands-on experience in a variety of contexts in order to prepare for professional writing opportunities in the future.

Admission requirements

Admission requires approval of a departmental entrance committee, who will examine the applicant's potential for program success. Our goal is to create a well-balanced cohort of students.

Admission to the program is based on the following:

1. A completed Missouri State University Graduate Application in the GradCAS admission system. All university-wide requirements for graduate study must be met.
2. The following supplementary material:
 - A **Writing Sample** (maximum 10 pages) of the applicant's best work. This may be in either screenplay format, stage play format, or prose;
 - A 300- to 800-word **Statement of Purpose**, describing the reasons and goals behind the applicant's interest in graduate study and the direction of intended research;
 - At least one **Letter of Recommendation** from an individual able to speak of the applicant's academic achievements and potential;
 - The name, title, and contact information of at least two other **References** (either academic or professional) willing to support the applicant's candidacy.

All matters relating to admission are the applicant's responsibility.

Degree requirements (minimum of 60 hours)

A minimum of 60 hours of coursework is required.

Writing core courses (30 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------|--------------|
| MED 610 | Playwriting | 3 hrs |
| MED 711 | Fundamentals of Screenwriting | 3 hrs |
| MED 712 | Feature Film Writing | 3 hrs |
| MED 713 | Feature Film Writing II | 3 hrs |
| MED 714 | Writing Episodic Television | 3 hrs |
| MED 715 | Rewriting | 3 hrs |
| MED 716 | Writing Episodic Pilots | 3 hrs |
| MED 717 | Thesis Script I | 3 hrs |
| MED 718 | Thesis Script II | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|------------------|--------------|
| MED 719 | Portfolio Review | 3 hrs |

Producing core courses (12 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| MED 684 | Advanced Producing | 3 hrs |
| MED 762 | TV/Film Producing and Marketing | 3 hrs |
| MED 766 | Pre-Production Practicum for Stage and Screen | 3 hrs |
| | Choose 3 hours from the following: | |
| MED 781 | Producing the Short Film | 1-6 |
| MED 782 | Producing the Web Series | 1-6 |
| MED 783 | Producing the Multicam Show | 1-6 |
| MED 784 | Producing the Documentary | 1-6 |
| MED 785 | Producing the Longform Narrative | 1-6 |
| MED 786 | Producing the Stage Play | 1-6 |

Production Core Courses (9 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|------------------------------|--------------|
| MED 764 | Visual Storytelling | 3 hrs |
| MED 765 | Directing for Film and Stage | 3 hrs |
| MED 767 | Staged Production | 3 hrs |

Electives (9 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| | Choose 9 hours from the following: | |
| | | |
| | History and Theory Electives | 3 hrs |
| MED 670 | Film Theory | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>MED 674</u> | History of Film | 3 hrs |
| <u>MED 675</u> | History of Film II | 3 hrs |
| <u>MED 704</u> | Theory & Research in Mass Communication | 3 hrs |
| | | |
| | Industry/Professional Electives | |
| <u>MED 695</u> | Media Internship | 1-6 hrs |
| <u>MED 697</u> | Advanced Studies in Media | 1-6 hrs |
| | | |
| | Producing Electives | |
| <u>MED 781</u> | Producing the Short Film | 1-6 hrs |
| <u>MED 782</u> | Producing the Web Series | 1-6 hrs |
| <u>MED 783</u> | Producing the Mutlicam Show | 1-6 hrs |
| <u>MED 784</u> | Producing the Documentary | 1-6 hrs |
| <u>MED 785</u> | Producing the Longform Narrative | 1-6 hrs |
| <u>MED 786</u> | Producing the Stage Play | 1-6 hrs |
| | | |
| | Production Electives | |
| <u>MED 662</u> | Digital Filmmaking | 3 hrs |
| <u>MED 683</u> | Advanced Television Production | 3 hrs |
| <u>MED 792</u> | Independent Study in Media | 1-6 hrs |
| <u>MED 793</u> | Practicum in Producing and Production | 1-6 hrs |
| | | |
| | Writing Electives | |
| <u>MED 663</u> | Writing Adaptations | 3 hrs |
| <u>MED 664</u> | Genre Writing | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|--------------------------|--------------|
| MED 671 | Writing the Web Series | 3 hrs |
| MED 794 | Practicum in Playwriting | 1-6 hrs |


Additional degree requirements

1. A student's Program of Study is subject to the approval of the Graduate Coordinator in consultation with the program faculty.
2. A probationary review will be conducted by the program faculty after the student completes MED 715 (usually the third semester) to evaluate the student's overall body of work. A less than satisfactory review could result in dismissal or additional coursework with a follow up review to assess progress.
3. All students will develop a Final Portfolio of their work, which the supervisory committee will review. These portfolios, developed in the final semester of graduate study in [MED 719](#), must have:
 - a. Multiple well-polished scripts across a diverse range of media (film, TV, web, stage); these works should highlight the student's strengths and be geared toward the current professional marketplace.
 - b. A clearly written overview of these projects.
 - c. A successful oral defense of the portfolio before the supervisory committee.





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Professional Studies: Producing and Screenwriting Option



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Graduate programs

Master of Professional Studies: Producing and Screenwriting Option

The Department of Media, Journalism and Film participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(/Catalog/professionalstudies.htm\)](/Catalog/professionalstudies.htm) for more information.

Producing and Screenwriting Option required courses:

Select four courses (12 hours from the following):





| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| MED 660 | Beginning Screenwriting | 3 hrs |
| MED 667 | Intermediate Screenwriting | 3 hrs |
| MED 668 | Writing for Television | 3 hrs |
| MED 669 | Rewriting Film and Television Scripts | 3 hrs |
| MED 671 | Writing the Web Series | 3 hrs |
| MED 672 | Advanced Screenwriting | 3 hrs |
| MED 762 | TV/Film Producing and Marketing | 3 hrs |
| MED 792 | Independent Study (with permission of Director & Coordinator) | 3 hrs |



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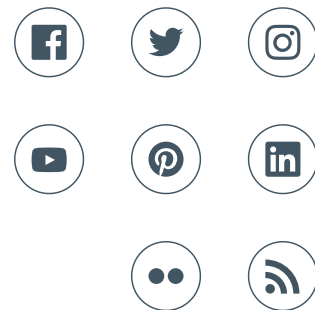
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Screenwriting for Television and Film



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Graduate programs

Certificate in Screenwriting for Television and Film

Richard Amberg III, Certificate Advisor

Craig Hall, Room 381B, Phone 417-836-8394

RichardAmbergIII@missouristate.edu (mailto:RichardAmbergIII@missouristate.edu)

Program description

The Graduate Certificate in Screenwriting for Television and Film provides a 12-hour graduate-level experience to prepare the student's script portfolio for professional submissions. The program is designed to teach students the screenwriting craft; to develop each student's potential and to help all students find their unique style; to expose students to the concept of "workshopping pages" and giving and receiving critical input on style, writing technique and structure; and to provide insight into today's film and television market. Graduate students will complete polished drafts on multiple treatments/outlines, a short or full-length screenplay, and one to two dramatic teleplays.

Admission criteria

To be considered for the program, a student must have a bachelor's degree with a 2.75 undergraduate GPA. Applicants must submit a writing sample of 5-10 script pages or 5-10 pages of prose.

Required courses: Complete at least four of the following courses (12 hours total)

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------|--------------|
| MED 660 | Beginning Screenwriting | 3 hrs |
| MED 667 | Intermediate Screenwriting | 3 hrs |
| MED 668 | Writing for Television | 3 hrs |
| MED 669 | Rewriting Film and TV Scripts | 3 hrs |
| MED 672 | Advanced Screenwriting | 3 hrs |


Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.





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Department of Modern and Classical Languages

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Applied Second Language Acquisition \(MASLA\)](#)

Certificates

[Foreign Language Teaching \(non-certifiable\)](#)
(Certificate)

[Spanish](#) (Certificate)

[French](#) (Certificate)

General Information

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

Contact

Department head

Jason Jolley

- [French](#) (FRN) courses
- [Greek](#) (GRK) courses
- [Language and Literature](#) (LLT) courses
- [Latin](#) (LTN) courses
- [Modern and Classical Languages](#) (MCL) courses
- [Spanish](#) (SPN) courses

Office

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 (mailto:jasonjolley@missouristate.edu)

Website


missouristate.edu/mcl
 (https://www.missouristate.edu/MCL/)




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Graduate College

Graduate Catalog

Modern and Classical Languages Graduate Faculty

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Associate professors

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Emeritus professors




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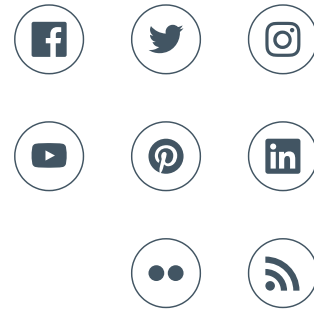


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Missouri State

Graduate College

Graduate Catalog

Modern and Classical Languages Courses

French (FRN) courses

FRN 624 Advanced Topics in Francophone Linguistics

Prerequisite: ENG 691 or MCL 691 or permission of instructor.

This graduate seminar focuses on specific issues in Francophone linguistics. Topics may include the study of French in its social and political contexts, French phonetics and phonology, French syntax and morphology, language variation and change in the French-speaking world, historical perspectives, and developments in theoretical and applied French linguistics. May be taught concurrently with FRN 524. Cannot receive credit for both FRN 524 and FRN 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

FRN 690 Advanced French Grammar

Prerequisite: permission of instructor.

Students improve their mastery of complex grammatical features in French through the analysis of authentic spoken and written texts. Through iterative processes of text development, they will produce advanced narratives on different themes. They will also explore theories pertaining to the acquisition of language structures, and related approaches to teaching grammar to second-language learners. May be taught concurrently with FRN 590. Cannot receive credit for both FRN 690 and FRN 590.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

FRN 725 Seminar in Francophone Literature and Culture

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Francophone tradition. Variable content course. May be repeated once with changed content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

FRN 735 Advanced French Proficiency

This course designation is used to grant credit for prior learning on the basis of established proficiency assessments. No more than three hours of FRN 735 credit may be applied toward the requirements of any master's program or certificate.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-12 | | | Upon demand |

Greek (GRK) courses

Language and Literature (LLT) courses

Latin (LTN) courses

LTN 625 Seminar in Latin Literature

Selected topics in Latin literature such as genre studies, period studies, or concentration on one or more authors. May be repeated once with changed content. Variable content course. May be taught concurrently with LTN 525. Cannot receive credit for both LTN 525 and LTN 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Modern and Classical Languages (MCL) courses

MCL 650 Advanced Study Abroad

Study in an area of the world where the target language is spoken. This may be taken through the Department's existing program or at any accredited institution. May be taught concurrently with MCL 550. Cannot receive credit for both MCL 550 and MCL 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Upon demand |

MCL 688 Sociolinguistics for Language Teaching

This course explores various sociolinguistic topics, with an emphasis on those relevant for language teaching, such as language attitudes; standard languages; literacy; language variation; multilingualism; language planning and policy; and language maintenance and loss. Cannot receive credit for MCL 688 and ENG 688 or ENG 592.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

MCL 691 Principles of Linguistics

This advanced survey of linguistics covers areas such as phonology, morphology, syntax, semantics, discourse, pragmatics, language change, and language variation. Cannot receive credit for both MCL 691 and ENG 691 or 591.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MCL 695 Principles of Second Language Acquisition

This course blends a historical overview of language acquisition theories with a focus on recent developments and their impact on second-language instructional methodologies. Cannot receive credit for both MCL 695 and ENG 695 or ENG 595.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MCL 697 Topics for Teachers of Foreign Languages

Topics of discipline-specific interest to foreign language teachers, e.g., specialized technological resources or contemporary cultural materials. Sections may be specific to a particular language or concern general pedagogical issues. May be repeated up to 6 hours. Variable Content Course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MCL 700 Advanced Language Teaching Methods and Technology

This course will acquaint language teachers with current second language research and teaching practice, with emphasis on the uses of technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MCL 701 Applied Foreign Language Practicum

Prerequisite: permission of instructor.

An independent studies option designed to allow students to work closely with a graduate faculty mentor to develop and implement a project that integrates principles and/or practices pertinent to second language acquisition or applied linguistics. Variable content course. May be repeated, as content changes, to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MCL 706 Materials and Assessments in Foreign Language Teaching

Prerequisite MCL 700. This course reviews theoretical perspectives in foreign language teaching and learning, addressing their practical applications for the development of classroom materials and assessments. Students design teaching activities to promote the development of language knowledge and skills that focus on speaking, listening, reading, pronunciation, grammar, vocabulary, pragmatics and cultural competence.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MCL 710 Research Methods in Second Language Acquisition

This course focuses on methods of conducting research in the area of second-language acquisition. Students will learn how to read, interpret, synthesize, and apply SLA research and how to design and conduct studies and disseminate results.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MCL 724 Seminar in Linguistics for Foreign Languages

Focused exploration of topics in linguistics, phonetics and phonology, semantics, grammar and syntax, language history, language variation and change, and language acquisition as they pertain to French and/or Spanish. May be repeated, as content changes, to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

MCL 730 Summer Invitational Institute

Prerequisite: permission of Program Coordinator or Department Head.

An intensive course in the writing process and the writing curriculum, designed for experienced K-16 teachers across the disciplines using the National Writing Project model. Readings of current theory and research will be related to participants' experiences as writers and as teachers. Cannot receive credit for both MCL 730 and ENG 730.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Spring |

MCL 735 Supervised Proficiency Development (Independent Study)

After an assessment of their language proficiency, students receive personalized guidance and complete assessments designed to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This class is open to students at the Intermediate Level on the ACTFL Proficiency Scale. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MCL 798 Degree Papers

Prerequisite: permission of Department Head or Program Coordinator.

Independent research and writing toward completion of degree papers. Consultation with a designated MCL/ENG graduate faculty member and topic approval from the Program Coordinator or the Department Head are required. Not open to students writing theses to satisfy the master's research requirement. May not be repeated. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MCL 799 Thesis

Prerequisite: permission of instructor.

In consultation with MCL and Education advisors, a student may elect to write a thesis on a topic within the discipline. May be repeated up to 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Spanish (SPN) courses

SPN 610 Advanced Translation

Builds on the translation and interpreting skills acquired in SPN 410. Students will be exposed to a variety of translation theories and methods and will increase their overall language proficiency as they gain further practical translation experience in a number of genres. May be taught concurrently with SPN 510. Cannot receive credit for both SPN 510 and SPN 610.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPN 624 Advanced Topics in Hispanic Linguistics

This course focuses on specific issues in Hispanic linguistics with an emphasis on their applicability to learning and teaching Spanish. Topics may include the study of Spanish in its social and political contexts, Spanish phonetics and phonology, Spanish syntax and morphology, language variation and change in the Spanish-speaking world, historical perspectives, and developments in theoretical and applied Spanish linguistics. May be taught concurrently with SPN 524. Cannot receive credit for both SPN 524 and SPN 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

SPN 690 Advanced Spanish Grammar

Students improve their mastery of complex grammatical features in Spanish through analysis of authentic written texts and spoken language and through practice and application. They will also explore theories pertaining to the acquisition of language structures and related approaches to teaching grammar to second language learners. May be taught concurrently with SPN 590. Cannot receive credit for both SPN 590 and SPN 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SPN 725 Seminar in Hispanic Literature and Culture

This course will enhance students' language proficiency and cultural competence through the interpretation and analysis of selected literary, philosophical, and cultural texts from the Hispanic tradition. Variable content course. May be repeated once with changed content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPN 735 Advanced Spanish Proficiency

This course designation is used to grant credit for prior learning on the basis of established proficiency assessments. No more than three hours of SPN 735 credit may be applied toward the requirements of any master's program or certificate.




| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-12 | | | Upon demand |



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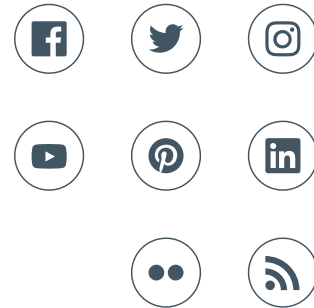
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Applied Second Language Acquisition



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Graduate programs

Master of Applied Second Language Acquisition

Dr. Luciane Maimone, Program Director

Siceluff Hall, Room 139

Phone 417-836-5869

LucianeMaimone@missouristate.edu

Program description

The Master of Applied Second Language Acquisition (MASLA) is a flexible degree program that combines training in topics pertinent to second language acquisition theory and practice, including linguistics, research and teaching methods, and materials and assessment design, with advanced discipline-specific coursework focused on the areas of TESOL, Spanish and French. It is designed for anyone with an interest in teaching one of these languages, including currently certified teachers. MASLA graduates will be well qualified to teach languages in a variety of settings, both in the United States and abroad.

Admission requirements

In addition to the general requirements outlined in the Admission to Graduate Study section of the Graduate Catalog, applicants for admission to the MASLA program must fulfill the following requirements:

1. Hold a bachelor's degree in English, French, or Spanish, or a bachelor's degree in another field and significant course work and/or experience relating to the focus areas of this program (linguistics, language teaching, foreign language proficiency, etc.);
2. Have a minimum overall GPA of 3.00 in all previous university-level course work;
3. Submit a completed Missouri State University Graduate Application;

All candidates must apply to one of the following language tracks:

Teaching English to Speakers of Other Languages (TESOL)

Candidates wishing to pursue the TESOL track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the English department);
- A personal statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in TESOL);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A writing sample (a 10-12 page academic paper written in English).

French

Candidates wishing to pursue the French track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the Modern and Classical Language Department);
- A personal statement in the target language (an essay of at least 350 words addressing the reasons and goals behind the applicant's interest in graduate studies in French language learning and teaching);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A rating of at least Intermediate High on the ACTFL Writing Proficiency Test dated within the past three years;
- A rating of at least Intermediate High on the ACTFL Oral Proficiency Test dated within the past three years.

Spanish

Candidates wishing to pursue the Spanish track must submit the following:

- A Graduate Assistantship Application if the prospective student would like to be considered for this award (submitted directly to the Modern and Classical Language Department);
- A personal statement in the target language (an essay of at least 350 words addressing the reasons and goals behind the applicant's interest in graduate studies in Spanish language learning and teaching);
- At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- A rating of at least Intermediate High on the ACTFL Writing Proficiency Test dated within the past three years;
- A rating of at least Intermediate High on the ACTFL Oral Proficiency Test dated within the past three years.

Applicants will be notified once their application is complete. Students who do not meet GPA and/or language proficiency requirements but who show high promise may be admitted conditionally. As conditions of admission, they may be required to take extra courses to make up deficiencies (including weaknesses in writing) or they may have other requirements stipulated.

Transferred Courses

Candidates may transfer up to nine hours in course work taken at other regionally accredited institutions into the MASLA program. However, any decision regarding credit for transferred courses is subject to the terms of the Transfer Credit policy outlined in the Graduate Catalog.

Double counting of course work

MASLA student may double count toward the MASLA all 15 hours of course work taken as part of the Graduate Certificate in TESOL. Up to nine hours of course work may double count toward the MASLA and the M.A. in English or Writing.

Teacher Certification/TESOL Endorsement

The MASLA is not a teacher certification program and does not contain a certification or endorsement option. One of the purposes of the program is to allow presently certified foreign language teachers to pursue a master's degree in their fields. Prospective MASLA candidates who are not certified to teach in Missouri but who wish to seek certification in Spanish or French or to add an ELL endorsement to an existing certification should speak with an advisor in the Department of English or in the Department of Modern and Classical Languages.

Accelerated Master's Degree Option

Missouri State University Bachelor of Science in Modern Language majors who meet all MASLA admissions requirements may apply for preliminary acceptance into the program. If accepted, they may apply up to 9 hours in graduate course work toward both their undergraduate degree and the MASLA.

Accelerated option students may only count one MASLA core course ([MCL 691](https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL691) (https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL691) or [MCL 710](https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL710) (https://graduate.missouristate.edu/catalog/MCL_courses.htm#MCL710)) toward both degree programs. The other two courses must be language track required or elective courses with the same course prefix as their BSML concentration. Accelerated master's students must use a mixed-credit permission form to obtain approval for the courses they wish to count toward both degree programs.

Students interested in the accelerated master option should meet with their undergraduate advisor and with the MASLA program director to determine eligibility and apply during the second semester of their junior year.

Program requirements (33 hours)

In consultation with the program director and faculty advisors, all degree candidates complete the 15-hour Second Language Acquisition core and one of the three 12-hour language tracks, for a total of 27 hours of coursework. a 6-hour research requirement brings the total program hours to 33.

Second language acquisition core

All candidates must complete the following 15-hour core:

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| ENG 691 OR MCL 691 | Linguistics Theory OR Principles of Linguistics | 3 hrs |
| ENG 695 OR MCL 695 | Principles of Second Language Acquisition OR Principles of Second Language Acquisition | 3 hrs |
| ENG 700 OR MCL 710* | Introduction to Research Methods in English OR Research Methods in Second Language Acquisition | 3 hrs |
| ENG 605 OR MCL 700* | Methods in TESOL OR Advanced Teaching Methods and Technology | 3 hrs |
| ENG 696 OR MCL 706* | Materials and Assessment in TESOL OR Materials and Assessments in Foreign Language Teaching | 3 hrs |

*Candidates pursuing the TESOL track are encouraged to enroll in the ENG-coded classes, whereas those pursuing tracks in French or Spanish should enroll in the MCL-coded classes. However, with advisor approval, candidates may take either ENG- or MCL-coded classes in the core regardless of the track. Students seeking the Missouri K-12 ELL endorsement must enroll in the ENG-coded core courses. MCL-coded courses will not count toward ELL certification.

Language Track

All candidates must complete one of the following 12-hours language tracks:

Teaching English to Speakers of Other Languages (TESOL)

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| ENG 690 | Grammatical Analysis | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| ENG 793 | Seminar: Linguistics (may be repeated with different topics. | 3 hrs |
| ENG 792 | Linguistics in Rhetoric and Composition | 3 hrs |
| ENG 689 | Studies in Linguistics | 3 hrs |
| 700-level ENG course | Any advisor-approved 700-level English course in literature, composition, rhetoric, foreign language teaching, or literacy and special education. | 3 hrs |

French

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| FRN 690 | Advanced French Grammar | 3 hrs |
| FRN 725 | Seminar in Francophone Literature and Culture | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|---|---|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |
| FRN 624 | Advanced Topics in Francophone Linguistics | 3 hrs |
| MCL 688 | Sociolinguistics for Language Teachers | 3 hrs |
| MCL 650 | Advanced Study Abroad | 3-6 hrs |
| MCL 697 | Topics for Teachers of Foreign Languages | 1-6 hrs |
| MCL 701 | Applied Foreign Language Practicum | 1-3 hrs |
| MCL 724 | Seminar in Linguistics for Foreign Languages | 3 hrs |
| RDG 660 | Diversity Issues in Literacy and Content Area Instruction | 2 hrs |
| 700-level FRN or MCL course | Any advisor-approved 700-level FRN or MCL course | 3 hrs |

Spanish

Complete the following 6 hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SPN 690 | Advanced Spanish Grammar | 3 hrs |
| SPN 725 | Seminar in Hispanic Literature and Culture | 3 hrs |

Complete 6 hours in electives from the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ENG 688 | Sociolinguistics for Language Teaching | 3 hrs |

| Course Code | Course Title | Credit Hours |
|---|--|---------------------|
| <u>MCL 688</u> | Sociolinguistics for Language Teacher | 3 hrs |
| <u>MCL 650</u> | Advanced Study Abroad | 3-6 hrs |
| <u>MCL 697</u> | Topics for Teachers of Foreign Languages | 1-6 hrs |
| <u>MCL 701</u> | Applied Foreign Language Practicum | 1-3 hrs |
| <u>MCL 724</u> | Seminar in Linguistics for Foreign Languages | 3 hrs |
| <u>SPN 610</u> | Advanced Translation | 3 hrs |
| <u>SPN 624</u> | Advanced Topics in Hispanic Linguistics | 3 hrs |
| 700-level <u>SPN</u> or <u>MCL</u> course | Any advisor-approved 700-level SPN or MCL course | 3 hrs |

Research requirement

All candidates complete a 6-hour research requirement. They may either write a thesis and enroll in 6 thesis supervised hours (ENG 799 or MCL 799) or complete 1 degree paper and 6 hours of advisor-approved electives. For non-TESOL track candidates, one of those courses must be MCL 798. Further details regarding the procedures for proposing and writing degree papers are available in the MASLA Student Handbook.

Examination requirement/comprehensive examination

All candidates will take a comprehensive examination consisting of two sections, one focused on issues related to second language acquisition theory and practices and another relating to their chosen language track. Further details regarding the content and format of the comprehensive are available in the MASLA Student Handbook.

Language proficiency requirement

TESOL Track Candidates. TESOL track candidates must provide evidence of intermediate-level proficiency in a language other than English. The language proficiency requirement may be met through one of the following options: (a) completion of 12 hours of undergraduate coursework in a foreign language with at least a C average; (b) completion of the second intermediate foreign language college course with a grade of C or higher; or (c) passing a reading competency test equivalent to the level of the second intermediate foreign language college course administered by the Department of Modern and Classical Languages. A TESOL track candidate whose native language is not English will be considered to have met the language requirement.


French and Spanish Track Candidates. French and Spanish track candidates must demonstrate speaking and writing proficiency consistent with the Advanced level on the ACTFL scale by presenting official ratings of at least Advanced Low on the ACTFL OPI and WPT dated within two years of their anticipated graduation date or through successful completion of MCL 735.




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Foreign Language Teaching (non-certifiable)



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Dr. Luciane Maimone, Program Director

Siceluff Hall, Room 139

Phone 417-836-5869

LucianeMaimone@missouristate.edu (mailto:LucianeMaimone@missouristate.edu)

Program description

The Graduate Certificate in Foreign Language Teaching is a 12-hour concentration in graduate studies focused on principles of non-native language acquisition and on pedagogical approaches to teaching foreign languages. It is designed for students interested in careers in foreign language teaching and for experienced language educators seeking professional development. This certificate does not lead to teaching certification, although classes may count toward different certification requirements. Seated courses are offered in the evening. Students may be able to complete the program entirely online.

Admission requirements

1. A bachelor's degree in a foreign language from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university or a bachelor's degree and a score of intermediate-high or higher on the OPI (or equivalent) in any foreign language.
2. A GPA of 2.75 on a 4.00 scale for the last 60 hours of undergraduate course work or completion of 9 credit hours of graduate course work with a minimum GPA of 3.00.
3. Admission application (all materials) deadline is 35 days prior to the start of the desired beginning semester.
4. All additional university and Graduate College requirements for admission to a certificate program.

Double counting of coursework

Graduate certificate programs must differ from one another by at least 2 courses or 40% of the total certificate credit hours.

Required courses


Choose 4 courses (12 hours) from the list below:

| Course code | Course Title | Credit hours |
|-------------------------|--|--------------|
| MCL 691 | Principles of Linguistics | 3 |
| MCL 695 | Principles Second Language Acquisition | 3 |
| MCL 700 | Advanced Teaching Methods and Technology | 3 |
| MCL 706 | Materials and Assessments in Foreign Language Teaching | 3 |
| MCL 724 | Seminar in Linguistics for Foreign Languages | 3 |





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French



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Certificate in French

Dr. Luciane Maimone, Program Director

Siceluff Hall, Room 139

Phone 417-836-5869

LucianeMaimone@missouristate.edu (mailto:LucianeMaimone@missouristate.edu)

Program description

The Graduate Certificate in French is a 12-hour concentration in French graduate studies with a focus on French communicative and cultural competence. It is designed for highly motivated students seeking professional development and opportunities to increase linguistic proficiency. This certificate does not lead to teaching certification, although classes may count toward different certification requirements.

Admission requirements

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A score of intermediate-high or higher in French on the OPI (or equivalent)
3. A GPA of 2.75 on a 4.00 scale for the last 60 hours of undergraduate course work or completion of 9 credit hours of graduate course work with a minimum GPA of 00.

4. All additional University and Graduate College requirements for admission to a certificate program.

Double counting of coursework

Graduate certificate programs must differ from one another by at least 2 courses or 40% of the total certificate credit hours.

Required courses

| Course code | Course Title | Credit hours |
|-------------------------|---|--------------|
| FRN 624 | Advanced Topics in Francophone Linguistics* | 3 |
| FRN 690 | Advanced French Grammar | 3 |
| FRN 725 | Seminar in Francophone Literature and Culture | 3 |
| FRN 735 | Advanced French Proficiency | 3 |


* ([#fn-return-1](#)) MCL 691 (or equivalent) is a prerequisite for FRN 624




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Spanish



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Certificate in Spanish

Dr. Luciane Maimone, Program Director

Siceluff Hall, Room 139, Phone: 417-836-5869

LucianeMaimone@missouristate.edu (mailto:LucianeMaimone@missouristate.edu)

Program description

The Graduate Certificate in Spanish is a 12-hour concentration in Spanish graduate studies with a focus on Spanish communicative and cultural competence. It is designed for highly motivated students seeking professional development and opportunities to increase linguistic proficiency. This certificate does not lead to teaching certification, although classes may count toward different certification requirements.

Admission requirements:

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A score of intermediate-high or higher in Spanish on the OPI (or equivalent)
3. A GPA of 2.75 on a 4.00 scale for the last 60 hours of undergraduate course work or completion of 9 credit hours of graduate course work with a minimum GPA of 3.00.
4. All additional university and Graduate College requirements for admission to a certificate program.

Double counting of coursework

Graduate certificate programs must differ from one another by at least 2 courses or 40% of the total certificate credit hours.

Required courses

Choose 4 courses (12 hours) from the list below:


| Course code | Course Title | Credit hours |
|-------------------------|--|--------------|
| SPN 610 | Advanced Translation | 3 |
| SPN 624 | Advanced Topics in Hispanic Linguistics* | 3 |
| SPN 690 | Advanced Spanish Grammar | 3 |
| SPN 725 | Seminar in Hispanic Literature and Culture | 3 |
| SPN 735 | Advanced Spanish Proficiency | 3 |

* ([#fn-return-1](#)) MCL 691 (or equivalent) is a prerequisite for SPN 624





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Missouri State


Graduate College

Graduate Catalog

Department of Music

Programs

 Includes accelerated master's option

 Program can be completed online


Master's programs

[Music \(MM\)](#)

Certificates

[Choral Studies](#) (Certificate)

[Music Performance](#) (Certificate)

[Music Education](#) (Certificate) 

Accreditation

- National Association of Schools of Music – Music (BA, MM), Music/Performance (BMus), Music/Composition (BMus), Music Education (BME), and Musical Theatre (BFA)
- Missouri Department of Elementary and Secondary Education – Music Education (BME), and Secondary Education/Music (MSEd)

Contact

Department head

Julie Combs

Office

Ellis Hall, Room 206

- Council for the Accreditation of Educator Preparation – Music Education (BME), and Secondary Education/Music (MSEd)

Phone

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Fax

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Email

Music@missouristate.edu
(mailto:Music@missouristate.edu)

Website

[missouristate.edu/music](https://www.missouristate.edu/music)
(<https://www.missouristate.edu/Music/>
)



Missouri State

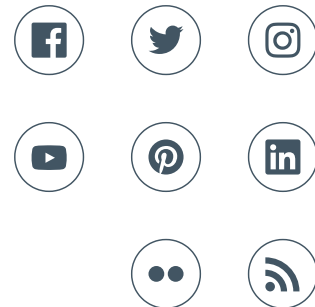
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Jeremy A. Chesman

Julia C. Combs

Randall Hamm

David R. Hays

Daniel Hellman

Jill Heyboer

Amy F. Muchnick

Michael F. Murray

Paula Patterson

Richard Todd Payne

Grant S. Peters

John S. Prescott

Allison M. Storochuk

Wei-Han Su

Chris Thompson

Associate professors

James S. Cameron

Carol Chapman

Minju Choi

Ann Marie Wilcox-Daehn

Jason Hausback

Hye-Jung Hong

Cameron LaBarr

Assistant professors

Jung Choi

Andrew Homburg

Christopher Kelts

Daniel Ketter

Erin Plisco

Donald Bradley Snow

John Zastoupil

Artist in Residence

Sam Oram

Per course instructor

Laurine Grace St Pierre

Emeritus professors

Michael R. Casey

Peter F. Collins

Wynne Harrell

Cynthia Libby

Mollie R. Molnar

Michael A. Murray

Rose Mary Owens


Belva W. Prather




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Missouri State

Graduate College

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Music



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Graduate programs

Master of Music

John Prescott, Graduate Director

Ellis Hall, Room 308

Phone 417-836-5748

JohnPrescott@missouristate.edu (mailto:JohnPrescott@missouristate.edu)

<https://graduate.missouristate.edu/catalog/prog-music.htm> (https://graduate.missouristate.edu/catalog/prog-music.htm)

Program objective

The Master of Music seeks to promote the continued development of individual talents, interests, and philosophies that can be used creatively to explore, preserve, and extend our cultural heritage. The degree will prepare students for the many and various challenges of the music profession.

Program description

The Master of Music degree will develop professional competence in the evaluation and dissemination of knowledge in such disciplines as conducting, pedagogy, music performance, theory and composition, and music education. Each student will complete a core of music courses and will select one of the five specific concentrations. A final research project will be required of each candidate. Missouri State University is an accredited institutional member of the National Association of Schools of Music.

Entrance requirements

Music Department Standards

The entering graduate student in music must meet all requirements for admission to graduate studies.

Conducting Concentration

To be admitted to the conducting program, students must satisfactorily meet the following conditions:

1. intensive interview with the faculty member from the conducting area with whom they will study;
2. submission of DVD or videotapes of ensemble conducting performances OR visitation of Missouri State University faculty to concert or classroom situations, OR observation of live performance by Missouri State faculty;

Music Education Concentration

To be admitted to the music education program, students must satisfactorily meet the following conditions:

1. Bachelor's degree from an accredited music program with a completed major equivalent to certification by a state agency to teach music (K-12);
2. Interview with a faculty member in the music education area;
3. A letter of intent containing teaching and professional goals, future plans, and background information;
4. Two letters of recommendation from professionals familiar with the candidate's academic abilities and teaching potential.

Music Pedagogy Concentration

Applicants must be prepared to perform a live audition consisting of at least three pieces of contrasting styles. Piano auditions must be memorized.

Music Composition Concentration

To be admitted to the composition program, students must submit at least three compositions to the composition faculty for their approval.

Performance Concentration

Applicants must be prepared to perform a live audition consisting of at least three pieces of contrasting styles. Piano auditions must be memorized. Vocal auditions should include five memorized selections in contrasting styles including pieces in French, German, and Italian.

Degree requirements

1. **Hours.** Candidate will complete a minimum of 32 hours of course work.
2. **Placement Exams.** Master of Music students are required to take placement exams in music history and music theory. Students who do not pass either or both exams may correct those deficiencies by passing

one or more MSU undergraduate courses as determined by the graduate coordinator. Alternatively, those students can retake either of both exams until they achieve passing scores. Remedial courses offered by other institutions, online or otherwise, are also acceptable subject to prior approval.

3. **Final Project.** A final project will be required of each candidate. See individual curriculum outline for specific requirements. The candidate will work with a major advisor to determine the precise scope of the project.
4. **Comprehensive Examination.** A written comprehensive examination must be passed before a degree will be granted. The written examination will be taken after the course work has been completed. The exam will be prepared and evaluated by a committee assigned for individual students.

Conducting curriculum outline

Required Core

| Course Code | Course Title | Credit Hours |
|------------------------------|---|---------------|
| MUS 700 | Introduction to Graduate Study in Music | 3 hrs |
| | Advanced Courses in Music Theory and Composition or Music History | 6 hrs |
| MUS 790, 798 | Final Project: Public performance and research document | *4 hrs |
| | Total | 13 hrs |

*Two hours of the final project will be devoted to a written research paper discussing and analyzing the pieces to be performed on the final public performance. The other 2 hours will be the preparation and conducting of the public performance.

Conducting Concentration

| Course Code | Course Title | Credit Hours |
|---|--|--------------|
| MUS 670, 671 | Conducting Seminar (Instrumental or Choral Conducting Seminar) | 6 hrs |
| MUS 781 | Score Reading and Analysis | 3 hrs |
| MUS 746, 747, 748 | Repertoire Course (Choose Wind, Orchestral, Choral) | 3 hrs |
| MUS 675, 678, 762, 768, 775, 776, 778 | Ensembles | 2 hrs |
| | Music Electives (some applied study, seminar conducting, language/diction recommended) | 5 hrs |
| | | |

| | | |
|--|--------------|---------------|
| | Total | 19 hrs |
|--|--------------|---------------|

Music Education curriculum outline

Required Core

| Course Code | Course Title | Credit Hours |
|------------------------------|---|---------------|
| MUS 700 | Introduction to Graduate Study in Music | 3 hrs |
| | Advanced Courses in Music Theory and Composition or Music History | 6 hrs |
| MUS 790, 799 | Final Project: Research Document | 4 hrs |
| | Total | 13 hrs |

Music Education Concentration

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------|
| MUS 725 | History and Philosophy of Music Education | 3 hrs |
| MUS 707 | Psychology of Music | 3 hrs |
| MUS 708 | Contemporary Music Education | 3 hrs |
| | Music Education Electives (some ensemble and applied recommended) | 10 hrs |
| | Total | 19 hrs |

Pedagogy curriculum outline

Required Core

| Course Code | Course Title | Credit Hours |
|------------------------------|---|--------------|
| MUS 700 | Introduction to Graduate Study in Music | 3 hrs |
| | Advanced Courses in Music Theory and Composition or Music History | 6 hrs |
| MUS 790, 798 | Final Project: Public performance and research document | 4 hrs |

| | | |
|--|--------------|---------------|
| | Total | 13 hrs |
|--|--------------|---------------|

Pedagogy Concentration

| Course Code | Course Title | Credit Hours |
|--|----------------------------------|---------------|
| <u>MUS 649, 651, 653, 655, 656, 657, 660, 749, 751, 753, 755, 756, 757</u> | Applied Music | 4 hrs |
| <u>MUS 675, 678, 682, 762, 768, 775, 776, 778, 792</u> | Ensembles | 2 hrs |
| <u>MUS 658</u> | Survey of Pedagogical Methods | 2 hrs |
| <u>MUS 738</u> | Survey of Pre-College Repertoire | 2 hrs |
| <u>MUS 739</u> | Pedagogy Practicum I | 3 hrs |
| <u>MUS 740</u> | Pedagogy Practicum II | 3 hrs |
| | Music Electives | 3 hrs |
| | Total | 19 hrs |

Composition curriculum outline

Required Core

| Course Code | Course Title | Credit Hours |
|--|---|---------------|
| <u>MUS 700</u> | Introduction to Graduate Study in Music | 3 hrs |
| | Advanced Courses in Music Theory and Composition or Music History | 6 hrs |
| <u>MUS 790, 798, 799</u> | Final Project: Original Composition | 4 hrs |
| | Total | 13 hrs |

Composition Concentration

| Course Code | Course Title | Credit Hours |
|--------------------------------|----------------------------------|--------------|
| <u>MUS 629</u> | Introduction to Commercial Music | 3 hrs |
| <u>MUS 728</u> | Pedagogy of Music Theory | 3 hrs |

| | | |
|-------------------------|----------------------|---------------|
| MUS 715 | Advanced Composition | 9 hrs |
| | Music Elective | 4 hrs |
| | Total | 19 hrs |

Performance curriculum outline

Required Core

| Course Code | Course Title | Credit Hours |
|------------------------------|---|---------------|
| MUS 700 | Intro to Graduate Study in Music | 3 hrs |
| | Advanced courses in Music Theory and Composition or Music History | 6 hrs |
| MUS 790, 798 | Final Project: Public performance and research document | 4 hrs |
| | Total | 13 hrs |

Performance Concentration




| Course Code | Course Title | Credit Hours |
|--|------------------------|---------------|
| MUS 749, 751, 753, 755, 756, 757, 760 | Advanced Applied Music | 8 hrs |
| MUS 661, 663, 762, 768, 772, 773, 774, 775, 776, 778, 792, 793 | Ensembles | 4 hrs |
| MUS 630, 658 | Pedagogy | 2 hrs |
| | Music Electives | 5 hrs |
| | Total | 19 hrs |

* Voice majors are expected to be proficient in German, French and Italian diction.



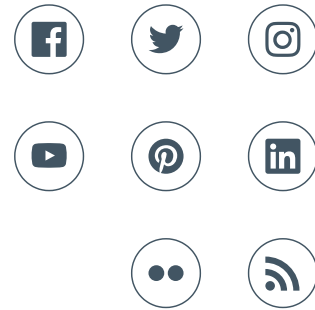


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Missouri State

Graduate College

Graduate Catalog

Music Courses

Music (MUS) courses

MUS 606 Band Administration and Materials

Practicum and experience in all aspects of the successful band program. Includes organizational strategies and review of large and small ensemble literature for marching band, stage band, jazz band, and concert band. May be taught concurrently with MUS 506. Cannot receive credit for both MUS 506 and MUS 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 1-3 | | | Fall (even-numbered years) |

MUS 609 Choral Literature and Materials for Secondary Levels

Survey and analysis of choral music for large and small ensembles including glee clubs, mixed choruses, and choirs of all levels of performance (7-12 grade). May be taught concurrently with MUS 510. Cannot receive credit for both MUS 510 and MUS 609.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

MUS 611 Music Education Workshop

Variable topics related to music education instruction. Number of credit hours determined by length of workshop and depth of topic. May be repeated for a maximum of five hours. May be taught concurrently with MUS 501. Cannot receive credit for both MUS 501 and MUS 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Summer |

MUS 613 Orff in the Classroom

A study of music education using the approach developed by Carl Orff. Will include creative techniques including instruments, singing, and movement. May be taught concurrently with MUS 503. Cannot receive credit for both MUS 503 and MUS 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MUS 616 Composition I

Prerequisite: permission of instructor.

Elementary composition of pieces in a variety of forms. Emphasis on works for piano, solo instruments, or voice. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 516. Cannot receive credit for both MUS 516 and MUS 616.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-4 | | | Fall, Spring |

MUS 617 Composition II

Prerequisite: permission of instructor.

Intermediate level composition. Emphasis on writing for small groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be taught concurrently with MUS 517. Cannot receive credit for both MUS 517 and MUS 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-4 | | | Fall, Spring |

MUS 618 Choral Arranging

Techniques of arranging for small and large choral ensembles; with attention given to the practical application in a teaching situation. May be taught concurrently with MUS 518. Cannot receive credit for both MUS 518 and MUS 618.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MUS 619 Composition III

Prerequisite: permission of instructor.

Composing for larger groups of instrumentalists or vocalists. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 520. Cannot receive credit for both MUS 520 and MUS 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-4 | | | Fall, Spring |

MUS 621 Composition IV

Prerequisite: permission of instructor.

Advanced composition. A wide variety of mediums and styles are possible including electronic music of all types. Adapted to meet the needs of the individual student. May be repeated. May be taught concurrently with MUS 521. Cannot receive credit for both MUS 521 and MUS 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-4 | | | Fall, Spring |

MUS 623 Keyboard Literature

Keyboard works from the 17th century to the present. May be taught concurrently with MUS 523. Cannot receive credit for both MUS 523 and MUS 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

MUS 624 Song and Opera Literature

Italian arias, German Lieder; representative songs by French, English, and American composers; standard operatic repertoire in relation to the composer's style and the period of theater and music history from which they emanate. May be taught concurrently with MUS 524. Cannot receive credit for both MUS 524 and MUS 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 2 | 2 | 0 | Fall (even-numbered years) |

MUS 626 Advanced Arranging

Prerequisite: permission of instructor.

Independent study or three hour seminar per week. Techniques of arranging for various choral or instrumental groups, suited to the need of the individual student. May be repeated to a total of 6 hours when topic varies. Variable content course. May be taught concurrently with MUS 526. Cannot receive credit for both MUS 526 and MUS 626.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

MUS 629 Introduction to Commercial Music

Prerequisite: permission of instructor.

A comprehensive survey of various aspects of music associated with the entertainment industry. Students will be exposed to a wide variety of topics including song and advertising jingle writing, scoring for film and video, negotiating contracts, and dealing with music publishers. May be taught concurrently with MUS 529. Cannot receive credit for both MUS 529 and MUS 629.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MUS 630 Vocal Pedagogy and Materials

Understanding the basic principles of voice production and their application to the training of singers. A comparative study of different pedagogical approaches to voice training. Including a survey of materials needed in successful programs of choral and vocal education in secondary schools for all levels of performance. May be taught concurrently with MUS 530. Cannot receive credit for both MUS 530 and MUS 630.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

MUS 649 String (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, and bass viol. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 651 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 652 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 653 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 655 Woodwind

Prerequisite: permission of instructor.

Applied instruction in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 656 Brass

Prerequisite: permission of instructor.

Applied instruction in trumpet, horn, trombone, euphonium and tuba. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 657 Percussion

Prerequisite: permission of instructor.

Applied instruction on percussion instruments. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 658 Survey of Pedagogical Methods

A study of methods of teaching applied music. May be taught concurrently with MUS 538. Cannot receive credit for both MUS 538 and MUS 658.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

MUS 659 String Pedagogy and Instrumental Literature and Materials for Elementary and Secondary Levels

Prerequisite: permission of instructor.

Students will explore all aspects of orchestra and string programs for elementary and secondary education. Literature appropriate for beginning and advanced levels in school string programs will be addressed. May be taught concurrently with MUS 539. Cannot receive credit for both MUS 539 and MUS 659.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MUS 660 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 661 Men's Chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 663 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 670 Instrumental Conducting Seminar

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 580. Cannot receive credit for both MUS 670 and MUS 580. May be repeated for variable credit hours up to a total of 12.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MUS 671 Choral Conducting Seminar

A study of conducting techniques and problems in rehearsal and performance. Baton technique, repertoire development, and practicum of conducting in rehearsals (may include a public performance). May be taught concurrently with MUS 581. Cannot receive credit for both MUS 671 and MUS 581. May be repeated for variable credit hours up to a total of 12.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MUS 674 Jazz Ensemble

A Laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 675 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 678 University/Community Band

Traditional style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 682 Piano Ensemble

Prerequisite: permission of instructor.

The student will strengthen ensemble and rehearsal techniques through the study and performance of piano four-hand and duo literature. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 683 Music of the Renaissance

A comprehensive study of Western music from the Franco-Netherlands composers to Monteverdi (c. 1450 to 1600). May be taught concurrently with MUS 543. Cannot receive credit for both MUS 543 and MUS 683.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 684 Music of the Baroque Era

A comprehensive study of Western music from monody to J.S. Bach and Handel (c. 1600 to 1750). May be taught concurrently with MUS 544. Cannot receive credit for both MUS 544 and MUS 684.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 685 Music of the Classical Era

A comprehensive study of Western music from pre-classicism to Beethoven (c. 1750 to 1810). May be taught concurrently with MUS 545. Cannot receive credit for both MUS 545 and MUS 685.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 686 Music of the Romantic Era

A comprehensive study of Western music from Beethoven to the post-romantic composers (c. 1800 to 1900). May be taught concurrently with MUS 546. Cannot receive credit for both MUS 546 and MUS 686.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 687 Music Since 1900

A comprehensive study of Western music from 1900 to the present. May be taught concurrently with MUS 547. Cannot receive credit for both MUS 547 and MUS 687.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 688 Choral Literature

Choral literature from the Renaissance through the 20th Century. May be taught concurrently with MUS 548. Cannot receive credit for both MUS 548 and MUS 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

MUS 689 Special Topics in Music

Prerequisite: permission of instructor.

Topic of interest determined by student and professor. May be repeated, as topics change, to a maximum of 6 hours. Variable content course. May be taught concurrently with MUS 599. Cannot receive credit for both MUS 599 and MUS 689.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

MUS 700 Introduction to Graduate Study in Music

General introduction to graduate curriculum; planning the program; formal writing style; sources used in research; study of methods in research. Required of all degree candidates.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MUS 701 Music Education Curriculum

An examination of trends in elementary, middle, and secondary music education; evaluation of selected materials and techniques; and special projects in planning for change in music education curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 702 General Music Education

Study of problems in planning a music program to encourage lifelong participation in music; for guiding learning through creating, performing and responding; music integration with other subject areas; critical and creative thinking, and use of instructional media for providing music learning experiences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MUS 706 Ethical Decision-Making in Music Education

Exploration of issues, problems and possibilities in music education through an applied ethics perspective.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

MUS 707 Psychology of Music

Adapted to the view of the music educator. Emphasis is placed upon the physics of sound, psychology of performances and teaching, and the principles of listening.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 708 Contemporary Music Education

A study of current trends and contemporary issues relevant to education and/or music education, as identified from various sources, and what impact they may or may not have on music education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 715 Advanced Composition

Prerequisite: permission of instructor.

Private compositional study for graduate students. Variable content course. May be repeated to a total of 9 hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 720 Directed Study in Music Education

Prerequisite: permission of instructor.

Individual study and research on projects approved by Music Education faculty; individual conferences with assigned faculty members; oral report, and a document at conclusion of semester. May be repeated to 3 hrs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MUS 725 History and Philosophy of Music Education

History of educational philosophies and objectives.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 727 Seminar: Music Theory

A study of various aspects of music theory, including analysis and pedagogy, researched from primary and secondary sources from the medieval period through the present. May be repeated to a total of 6 hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

MUS 728 Pedagogy of Music Theory

Techniques of teaching harmony and ear training as well as other theoretical aspects of music to high school and college music students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

MUS 738 Survey of Pre-College Repertoire

Prerequisite: MUS 538 or MUS 658.

An examination of appropriate repertoire from the Baroque, Classical, Romantic, and 20th Century style periods for beginner, intermediate, and advanced pre-college students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring, Summer |

MUS 739 Pedagogy Practicum I

Prerequisite: MUS 738.

A course consisting of three components: class meetings for the discussion of teaching techniques, observation of the teaching of experienced teachers, supervised student teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

MUS 740 Pedagogy Practicum II

Prerequisite: MUS 739.

Private teaching of a prescribed number of pre-college students of various levels of advancement under guidance of pedagogy instructor. Pedagogy students must present assigned pre-college students in an end of semester recital.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Spring |

MUS 744 Directed Study in Music Theory

Prerequisite: permission of instructor.

Individual study on approved projects; individual conferences with assigned faculty member. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MUS 745 Directed Study in Music History and Literature

Prerequisite: permission of instructor.

Advanced study in special topics of music history and literature. May be repeated to a total of 3 hours when topic varies. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

MUS 746 Seminar: Symphonic Literature

A survey of the repertoire for orchestras of varying sizes and ability levels. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 747 Seminar: Wind Literature

A survey of the repertoire for wind groups of various sizes and ability levels. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 748 Seminar: Choral Literature

A survey of the repertoire for choral groups of various sizes and ability levels. Variable content course. May be repeated to a maximum of six hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MUS 749 String (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in violin, viola, violoncello, and bass viola. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 751 Piano

Prerequisite: permission of instructor.

Applied instruction in piano. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 752 Organ

Prerequisite: permission of instructor.

Applied instruction in organ. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 753 Voice

Prerequisite: permission of instructor.

Applied instruction in voice. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 755 Woodwind (Instrument)

Prerequisite: permission of instructor.

Applied instruction available in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 756 Brass

Prerequisite: permission of instructor.

Applied instruction available in trumpet, French horn, trombone, euphonium and tuba. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 757 Percussion

Prerequisite: permission of instructor.

Applied instruction on percussion instruments. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 760 Carillon

Prerequisite: permission of instructor.

Applied instruction in carillon. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall, Spring |

MUS 761 Men's chorus

A choral ensemble of men's voices that studies and performs music of various historical periods and genres both on and off campus. The Men's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 762 Choral Union

Chorus Union, a mixed choir of students and community members, rehearses one evening per week and performs concerts throughout the year. Choral Union collaborates with other choral ensembles during the academic year and performs a variety of choral literature. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music. Open to all students and community members by audition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 763 Women's Chorus

A choral ensemble of women's voices that studies and performs music of various historical periods and genres both on and off campus. The Women's Chorus collaborates with other vocal and instrumental ensembles in the Music Department. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 768 Chorale

Chorale is a chorus of mixed men's and women's voices that studies and performs advanced choral repertoire both on and off campus. The Chorale will collaborate with other vocal and instrumental ensembles during the academic year. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 4 | Fall, Spring |

MUS 772 Small Ensembles

Ensembles may be arranged each semester in the fields of piano, voice, strings, wind instruments, and percussion to meet the needs of participating students and the department. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 773 Chamber Orchestra

Prerequisite: permission of instructor.

Small instrumental ensemble, consisting primarily of strings and varying combinations of wind, brass, percussion, and keyboard instruments, devoted to the study and performance of music written for that medium. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 1 | Fall, Spring |

MUS 774 Jazz Ensemble

A laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 775 Band

Band provides opportunities for performance with University Wind Bands, i.e. Wind Ensemble, Wind Symphony, Concert Band. Open to all University students by audition. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree program in music.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 776 University Symphony

Symphony performs and reads music from standard orchestral literature and accompanies opera productions. Open to all university orchestral players by audition. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 4 | Fall, Spring |

MUS 778 University/Community Band

Traditional-style concert band which provides performance opportunities for musicians from the university and the community at large. At least one concert is presented each semester. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 780 Practicum in Advanced Conducting

Prerequisite: permission of instructor.

A study of techniques needed to project the conductor's concept in rehearsal and performance. Participation in rehearsals under the supervision of the instructor. May involve conducting in public performance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

MUS 781 Score Reading and Analysis

Analysis of scores and its application to conducting. Development of skills in reading clefs and transpositions. Variable content course. May be repeated to a total of 6 hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MUS 790 Research Project

Research in the student's major area of concentration, culminating in a written document. Topic to be chosen through consultation with the student's major advisor. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

MUS 792 Accompanying

Prerequisite: permission of instructor.

Development of skills in accompanying for pianists.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 793 Opera Workshop

Preparation and production of opera as it pertains to singing actors and ensembles. May be repeated for credit. Only 8 hours of ensembles can be counted toward a degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

MUS 797 Directed Study in Pedagogy

Advanced study in special topics in pedagogy. Variable content course. May be repeated to a total of 3 hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

MUS 798 Graduate Recital

Fulfills half of the final project requirement for concentrations in performance, pedagogy, and conducting.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall, Spring |

MUS 799 Thesis

Prerequisite: permission of instructor.


Selection of thesis topic, research or compositional techniques to be employed, compilation of bibliography, guidance of compilation and interpretation of data; organization and writing of study or writing of composition and description including program notes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |





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Choral Studies



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Certificate in Choral Studies

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JohnPrescott@missouristate.edu (mailto:JohnPrescott@missouristate.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

A non-degree-granting certificate designed to provide students aspiring toward professional career in choral music. Possible aspects of this career could include choral conducting, choral arranging and editing, ensemble singing, professional choir management, performance travel, and music publishing.

Admission criteria

This certificate is available through audition to all persons with an undergraduate degree in music in which they earned a GPA of at least 2.75. English language proficiency as determined by International Services, or

successful completion of the ELI is required.

Students who wish to pursue a certificate after earning a Master of Music degree must do so with no overlap of course content.

Students who complete some or all of the certificate with a grade of B- or better in each course may be admitted to the Master of Music program after going through the full application process. The certificate credits taken will count toward the requirements for the MM degree.

Course requirements - 15 hours total

Required courses - 5 hours

| Course(s) | Area of Study | Credit Hours |
|---|-------------------|--------------|
| MUS 661 , 663 , 761 , 762 , 763 , 768 | Choral Ensembles | 2 hrs |
| MUS 748 | Choral Literature | 3 hrs |

Elective courses - 10 hours

Select from the following. Other courses may be substituted with the approval of the program coordinator. No more than four (4) of the elective hours may be ensembles.

| Course(s) | Area of Study |
|---|---------------------------|
| MUS 671 | Choral Conducting Seminar |
| MUS 618 , 626 , 727 , 728 | Choral Arranging/Theory |
| MUS 653 , 753 | Applied Voice |
| MUS 629 | Commercial Music |
| MUS 630 | Vocal Pedagogy |
| MUS 683 , 684 , 685 , 686 , 687 | Graduate Music History |
| MUS 748 | Choral Literature |
| MUS 689 | Special Topics in Music |
| MUS 661 , 663 , 768 | Choral Ensembles |

Completion requirement


Students must have an overall GPA of 3.00 for completion of the certificate.




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MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

A non-degree-granting certificate designed for practicing K-12 music teachers. The certificate can be completed through online courses, on-campus courses or a combination of the two.

Admission criteria

This certificate is available to all with demonstrated interest in music education, particularly currently employed music teachers. Admission requirements include an undergraduate degree in music in which they earned a GPA of at least 2.75, a resume, two letters of recommendation and statement of teaching and professional

goals. English language proficiency as determined by International Services, or successful completion of the ELI is required.

Students who wish to pursue a certificate after earning a Master of Music degree must do so with no overlap of course content.

Students who complete some or all of the certificate with a grade of B- or better in each course may be admitted to the Master of Music program after going through the full application process. The certificate credits taken will count toward the requirements for the MM degree.

Certificate requirements - 18 hours total

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|----------------------------|--------------|
| MUS 701 | Music Education Curriculum | 3 hrs |
| MUS 702 | General Music Education | 3 hrs |

Elective courses - 12 hours

Select 12 hours from the following.

| Course(s) | Area of Study |
|--------------------------------|--|
| MUS 606 | Marching Band Administration |
| MUS 609 | Choral Literature and Materials for the Secondary Level |
| MUS 611 | Music Education Workshop |
| MUS 659 | String Pedagogy/Instrumental Literature |
| MUS 661 * | Men's Chorus |
| MUS 663 * | Women's Chorus |
| MUS 674, 774 * | Jazz Ensemble |
| MUS 675, 775 * | Band |
| MUS 678, 778 * | University/Community Band |
| MUS 689 | Special Topics in Music - Kodaly Music Workshop or Ethics in Music Education |
| MUS 707 | Psychology of Music |
| MUS 708 | Contemporary Issues in Music Education |
| MUS 725 | History and Philosophy of Music Education |

| Course(s) | Area of Study |
|---------------------------|---------------------|
| MUS 762 * | Choral Union |
| MUS 768 * | Chorale |
| MUS 776 * | University Symphony |

*No more than two credit hours of ensembles may be counted toward the certificate.


Completion requirement

Students must have an overall GPA of 3.00 for completion of the certificate.





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Certificate in Music Performance

John Prescott, Graduate Director

Ellis Hall, Room 308

Phone: 417-836-5748

JohnPrescott@missouristate.edu (mailto:JohnPrescott@missouristate.edu)

Program description

A non-degree-granting certificate designed to provide students aspiring toward professional music performing career opportunities to study and perform solo, chamber and large-ensemble literature without some of the academic course requirements of a master's degree.

Admission criteria

This certificate is available through audition to all persons with an undergraduate degree in music in which they earned a GPA of at least 2.75. English language proficiency as determined by International Services, or successful completion of the ELI is required.

Students who wish to pursue a certificate after earning a Master of Music degree must do so with no overlap of course content.

Students who complete some or all of the certificate with a grade of B- or better in each course may be admitted to the Master of Music program after going through the full application process. The certificate credits taken will count toward the requirements for the MM degree.

Certificate Requirements - 18 hours total

Required courses - 8 hours

| Course(s) | Area of Study | Credit Hours |
|---|------------------------------|--------------|
| MUS 649 , 651 , 652 , 653 , 655 , 656 , 657 , 660 , 749 , 751 , 752 , 753 , 755 , 756 , 757 , 760 | Graduate Level Applied Music | 4 hrs |
| MUS 798 | Graduate Recital | 2 hrs |
| MUS 661 , 663 , 762 , 768 , 772 , 773 , 774 , 775 , 776 , 778 , 792 , 793 | Ensembles | 2 hrs |

Elective courses - 10 hours

Choose 10 hours from the following courses.

| Course(s) | Area of Study |
|---|------------------------|
| MUS 683 , 684 , 685 , 686 , 687 | Graduate Music History |
| MUS 618 , 629 , 727 , 728 | Graduate Theory |
| MUS 658 | Pedogogy |
| MUS 661 , 663 , 762 , 768 , 772 , 773 , 774 , 775 , 776 , 778 , 792 , 793 | Ensembles |


Completion Requirement

Students must have an overall GPA of 3.00 for completion of the certificate.



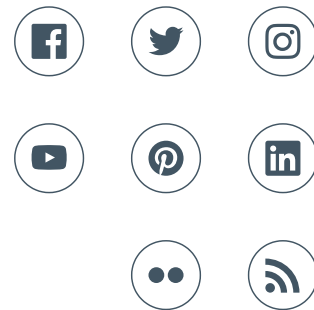


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Missouri State

Graduate College

Graduate Catalog

Department of Theatre and Dance

Programs

No Graduate programs in Theatre and Dance are offered at this time.

General information

Dance

Dance concerts are presented annually as part of the cultural attractions available to the community. A faculty choreographed dance concert is presented each spring semester. Student choreographed studio programs are presented each semester, and advanced student work is selected for a full-fledged concert. Theatre productions often include dance as an integral element. Inertia Dance Company is the resident student organization which gives dance lecture-demonstrations and concert works to schools and groups throughout the geographic area.

Dramatic performance activities

The department affords students with theatre and dance talent an avenue of expression and provides the campus community with entertaining and worthwhile productions. Several directed productions, including plays, musicals, operas, children's plays, and performance pieces, are presented each year. Productions directed by students, both

Contact

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Email

TheatreandDance@missouristate.edu

graduate and undergraduate, are also presented. Through participation in these productions, students gain practical experience in constructing and painting scenery, making costumes, applying makeup, light control technology and acting in outstanding plays of all periods. Productions are presented in Cogger Theatre, the intimate Balcony Theatre in Craig Hall, and Juanita K. Hammons Hall for Performing Arts.

One of the area's favorite summer attractions is Tent Theatre. From June through July three shows, including musicals, are presented to local and regional audiences. This popular entertainment has been thrilling theatre-goers for over forty years.

The In-School Players, a group of advanced students chosen from audition, prepares original theatrical material to tour to area elementary schools two afternoons a week through the late fall and spring semesters. The Inertia Dance Company, a group of advanced students chosen from audition, prepares a presentation to tour to area elementary schools and a concert program for adult audiences.

<mailto:TheatreandDance@missouristate.edu>

Website

theatreanddance.missouristate.edu


[\(https://theatreanddance.missouristate.edu/\)](https://theatreanddance.missouristate.edu/)




Missouri State


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<https://graduate.missouristate.edu/Catalog/TheatreDance.htm>

Missouri State

Graduate College

Graduate Catalog

Theatre and Dance Graduate Faculty

Professors

Ruth Barnes

Kurt Heinlein

Christopher Herr

Carol J. Maples

Cynthia Winstead

Associate professor

Telory Arendell

Assistant professor

Sarah Wilcoxon

Emeritus professors

Robert Bradley

Katherine Brown

Robert Little

Rhythm McCarthy


John McElhaney

Mark Putman



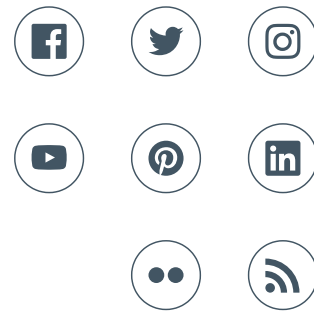


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Missouri State

Graduate College

Graduate Catalog

Theatre and Dance Courses

Theatre (THE) courses

THE 605 Theatre for Children and Youth

Special training and techniques involved in the preparation and development of productions for, and by, children and youth. Activities include directing, scenic and costume design, scripting, and a study of the history, literature and research of the field. May be taught concurrently with THE 505. Cannot receive credit for both THE 505 and THE 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

THE 606 Creative Dramatics

The art of creative drama and how it can be used in the school and community with children, youth, adults, and "special populations." Students teach their own classes in creative drama during the latter part of the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

THE 611 Scripting and Performing

Theoretical and practical knowledge in developing performance skills for one-person shows, extended literary performances, performance art, stand-up comedy, personal narrative and other performer-composed theatrical texts. May be taught concurrently with THE 510. Cannot receive credit for both THE 510 and THE 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

THE 616 Theatre for Social Change

Theoretical and practical knowledge for developing performances for, about, and in partnership with community-based nonprofit organizations. Includes volunteer assignment and techniques for journaling, interviewing, scripting, and directing original material. May be taught concurrently with THE 515. Cannot receive credit for both THE 515 and THE 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

THE 623 Auditioning and Acting for the Camera

Prerequisite: permission of instructor.

A practical immersion into the on-camera market for the professional actor. Auditioning and acting skills for single and multi-camera formats including commercials, television comedy, television drama, industrials, film, and other digital mediums. Also covers industry and marketing logistics in relation to the on-camera market. May be taught concurrently with THE 522. Cannot receive credit for both THE 522 and THE 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

THE 631 Theatre History I

Traces the important periods in the development of theatre from its beginning through the English Restoration. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 541. Cannot receive credit for both THE 541 and THE 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

THE 632 Theatre History II

Traces the important periods in the development of theatre from the 18th century to the present. Through analysis of conventions of staging and dramatic literature, examines the aesthetic, cultural, ethical, and social dimensions of theatre in different cultures and time periods. May be taught concurrently with THE 542. Cannot receive credit for both THE 542 and THE 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

THE 633 Development of Modern Theatre

Examines the aesthetic, cultural, ethical, and social dimension of modern theatre, from the development of naturalism to Theatre of the Absurd, through analysis of staging practices, theatrical theory, and dramatic literature. May be taught concurrently with THE 543. Cannot receive credit for both THE 543 and THE 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

THE 634 Contemporary Theatre

Examines the aesthetic, cultural, ethical, and social dimension of theatre and drama since 1960. Emphasis will be on theatre as an art form and a social and cultural institution. May be taught concurrently with THE 545. Cannot receive credit for both THE 545 and THE 634.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

THE 635 Development of American Theatre

Study of theatre in the United States from colonial times to the present with a focus on the cultural and aesthetic variety of American theatrical practice and the theatre as a reflection of various social, cultural, and political beliefs. May be taught concurrently with THE 547. Cannot receive credit for both THE 547 and THE 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

THE 640 Directing II

Advanced directing techniques. Directing of a one-act play. May be taught concurrently with THE 530. Cannot receive credit for both THE 530 and THE 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

THE 652 Scene Design II

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

THE 655 Lighting Design II

Advanced principles and techniques of lighting for theatre, dance, and other performance/presentational events. May be taught concurrently with THE 555. Cannot receive credit for both THE 555 and THE 655.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

THE 658 Sound Design for the Theatre

Principles of sound design with an emphasis on practical application. Includes a study and practice of basic audio production, recording, editing, mixing, reinforcement, and playback techniques used in association with dramatic events. Study of sound design includes aesthetic, dramatic, and practical considerations of script analysis, creative collaboration, research, and problem solving. Practical class application will be in the form of simple projects, exercises, and designs. May be taught concurrently with THE 558. Cannot receive credit for both THE 558 and THE 658.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 2 | 2 | Spring (odd-numbered years) |

THE 665 Costume Design II

Emphasis on special problems in costume design including applications of concepts to design projects and presentation of completed design projects. May be taught concurrently with THE 565. Cannot receive credit for both THE 565 and THE 665.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

THE 671 History of Costume and Decor I

A survey of styles of dress, interior design and decoration, architecture, art, and historical events as they pertain to the design of theatrical productions, from ancient Egypt to circa 1700. Requires sketching. May be taught concurrently with THE 561. Cannot receive credit for both THE 561 and THE 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

THE 672 History of Costume and Decor II

Survey of styles of dress, interior design and decoration, architecture, and art as they pertain to the design of theatrical productions, from circa 1700 to the present day. Requires sketching. May be taught concurrently with THE 562. Cannot receive credit for both THE 562 and THE 672.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

THE 700 Graduate Research Methods in Theatre and Interpretation

Exploration of the current state of theatre studies. Focuses on strategies for research with primary and secondary sources, critical and theoretical methodologies, and various methods of reporting research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

THE 707 Theatre Pedagogy: Theories and Practices

Designed to acquaint theatre teachers with the field of current theories and practices of theatre and performance pedagogy, and to develop instructional skills with specific application to teaching introductory level theatre courses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

THE 710 Seminar: Performance

Studies in rhetorical, cultural, social and aesthetic dimensions of performance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

THE 742 Dramatic Theory and Criticism

Representative theories of dramatic form and function; works of major critics and philosophers from Aristotle to present.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

THE 790 Workshop in Theatre

Designed to improve the students' skill and knowledge in specific areas of theatrical production. Each workshop will be concerned with a single topic, either acting, directing, or design. The course will examine the intersections between theory and practice in the creation of theatrical works. May be repeated to a maximum of 9 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-9 | | | Spring |

THE 793 Degree Paper

Research and writing of an extended paper originating in one of the 700-level courses. Students may choose to present the completed paper for their required research report. May be repeated to a total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

THE 794 Theatre Practicum

Prerequisite: permission of department head.

Acting, stagecraft, costuming and associated work in the Tent Theatre or other specified theatre production. May be repeated to a total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

THE 795 Applied Research Project

Prerequisite: permission of research advisor and, if applicable, host institution permission must be obtained the semester prior to enrollment.

The applied research project may consist of: 1) a creative project (directing, designing, scripting, performing), or 2) an internship with a host company or agency. For the non-thesis project, students must design specific educational and social as well as artistic objectives and appropriate assessment measures in consultation with the advisor. Students may choose to report on the applied research project for their required research report. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

THE 796 Readings

Prerequisite: permission of graduate coordinator.

Individual, experimental or research studies in theatre and performance studies. May be repeated to total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

THE 797 Topics

Prerequisite: permission of graduate coordinator.

Creative or special topics in theatre and performance studies. May be repeated to total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

THE 798 Thesis Research

Prerequisite: permission of the graduate coordinator.

Research leading to a masters thesis. Students will present a proseminar on their research during the semester they are enrolled in this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

THE 799 Thesis Writing

Prerequisite: permission of graduate coordinator.

Preparation of thesis. May be repeated, but no more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |



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Missouri State


Graduate College

Graduate Catalog

College of Business

Programs



 Includes accelerated master's option

 Program can be completed online

Master's programs

[Accountancy \(MAcc\)](#) 

[Business Administration \(MBA\)](#)  

[Cybersecurity \(MS\)](#)  


[Health Administration \(MHA\)](#) 

[Information Technology \(MS\)](#)  

[Professional Studies: Project Management Option \(MPS\)](#) 

[Project Management \(MS\)](#)  

Certificates

[Cybersecurity \(Certificate\)](#) 

[Data Analytics \(Certificate\)](#)

[Data Analytics in Accounting \(Certificate\)](#)

[Entrepreneurship \(Certificate\)](#)

[Finance \(Certificate\)](#) 

[Financial Analysis \(Certificate\)](#) 

[Forensic Accounting \(Certificate\)](#)

[Health Administration \(Certificate\)](#)

[Information Technology \(Certificate\)](#) 

[International Business \(Certificate\)](#)

[Leadership](#) (Certificate)

[Management](#) (Certificate)

[Marketing](#) (Certificate)

[Project Management](#) (Certificate) 

[Quantitative Enterprise Risk Management](#)
(Certificate) 

[Tax Accounting](#) (Certificate)

Vision, Mission, and Value Statements

Vision

We aspire to be the university of choice for business students who desire a quality education provided by people who are passionate about student success.

Mission

We educate business students to prepare them for successful careers in a global economy, with a particular emphasis on experiential learning and graduate education.

Shared Values and Guiding Principles

- We value **professionalism** and **ethical leadership and behavior**.
- We value **an inclusive environment** that embraces open, honest dialogue and mutual respect for divergent viewpoints irrespective of gender, racial, ethnic, cultural, social, political, or religious differences and/or ideologies.
- We value a **high-quality student-centered learning environment**.
- We value **scholarship** and the **production of high-impact intellectual contributions** that contribute knowledge and understanding to the broader business and academic communities as an integral part of our overall mission.
- We value **shared governance** in our decision making processes.
- We value **engagement** with our community and our region and **partnerships** that arise from that engagement.
- We value **innovation** and embrace **strategic change** that is aligned with the College's mission.
- We value **continuous improvement** in our curriculum, processes, and policies.

Contact

Dean

Dave B. Meinert

Associate Deans

Elizabeth Rozell

Kent Ragan

Office

Glass Hall, Room 400

Phone

417-836-5646

Fax

417-836-4407

Website

business.missouristate.edu

(<https://business.missouristate.edu/>)

- We value and promote a commitment to **lifelong learning**.



Missouri State

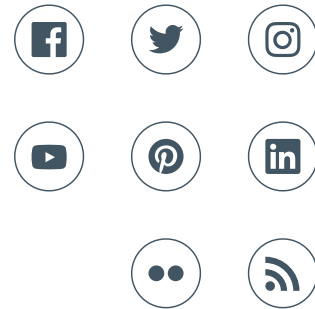
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Missouri State

Graduate College

Graduate Catalog

Business Administration



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Graduate programs

Master of Business Administration

Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 223, Phone: 417-836-5616

Email: mbaprogram@missouristate.edu (<mailto:mbaprogram@missouristate.edu>)

Website: <http://mba.missouristate.edu/> (<http://mba.missouristate.edu/>)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (<mailto:ElizabethReger@MissouriState.edu>)

Program description

The Master of Business Administration (MBA) degree is a College of Business degree with courses taken in various departments. The program is specifically designed for students who hold undergraduate degrees in Arts, Science, Engineering, and Law, as well as for students who hold Baccalaureate degrees in Business Administration. The program will provide the background knowledge necessary for professional practice in the

field of business. Students with little undergraduate work in business will normally require five semesters to complete the program. Students with appropriate prior academic preparation in business and economics may complete the program in one calendar year.

The MBA is accredited by the AACSB International - The Association to Advance Collegiate Schools of Business.

XF Policy

High standards of professional conduct are required for admission to the Master of Business Administration (MBA) program and other College of Business graduate certificate programs. Prospective graduate students who have been assigned a grade of XF (failure due to academic dishonesty) at Missouri State University (MSU), or the equivalent at another institution of higher education, may be denied admission to the Master of Business Administration program or College of Business graduate certificate programs. Students who have been assigned a grade of XF at MSU, or the equivalent at another institution of higher education, are required to inform the MBA Program Director of such grade at the time of application, even if the X was subsequently removed. Failure to inform the MBA Program Director of this previous XF or equivalent grade will result in removal from the MBA or COB graduate certificate program. A student assigned a grade of XF while studying toward completion of the MBA or COB graduate certificate program will be immediately removed from the program(s).

Accelerated Master's Degree option

Undergraduate majors in the College of Business may apply for admission to the Master of Business Administration program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level COB classes taken in the senior year may be counted toward both the undergraduate and graduate degrees.

Before enrolling in a course that will apply to both the undergraduate program and the master's program, an undergraduate student must:

- Be accepted into the accelerated program.
- Receive prior approval from the graduate advisor, department head of the undergraduate program, and the Dean of the Graduate College. This is done by using a mixed credit form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Accelerated Admission requirements (admission to the accelerated MBA program is competitive):

- Completion of 80 or more hours at time of application
- An overall GPA of 3.00 or better
- A competitive score on the Graduate Management Admissions Test (GMAT) or applicant must meet the requirements for a GMAT waiver (see Admissions Requirements for MBA Program).

Admission

Admission to the MBA program is competitive. Applications are reviewed and decisions made on a rolling basis when application packets are complete. Candidates are encouraged to apply early, as seats often fill quickly.

The Program Director looks at a variety of criteria that measure a candidate's potential for being a successful MBA student and business leader. We look at the following characteristics in making admission decisions:

- Past academic performance (official transcripts)
- Official GMAT or GRE score*
- Professional work experience (Resume)
- Admissibility to the Graduate College

*The GMAT may be waived for candidates who satisfy ALL of the following requirements:

- Earned a 3.25 cumulative GPA
- Admitted to or have graduated from a Missouri State COB business unit major in the past five years OR graduated with a business degree from an AACSB-accredited school in the past five years
- Completed a minimum of 80 hours at the time of application
- Meet all English proficiency requirements

To be considered for admission, students are required to submit the following**:

- Graduate Application
- Official transcripts
- Official GMAT or GRE Scores
- Resume

**Additional documents may be required for international students.

GMAT preparation course

MSU's International Center's English Language Institute offers a GMAT preparation course each semester. For additional information, contact 417-836-6540 or review [Test Preparation Courses](https://international.missouristate.edu/ELI/TestPrep.htm) (<https://international.missouristate.edu/ELI/TestPrep.htm>).

Unclassified admission

Students who meet general Graduate College requirements, but have not fulfilled all requirements to enter the MBA program, may be admitted to the Graduate College as a “Graduate student - unclassified.” This status will allow a student to enroll in an absolute **maximum of 9 graduate hours** before being fully admitted to the MBA program. **All courses at the 600-level or higher are considered graduate hours.**

Computer application competency

Students entering the Master’s of Business Administration program are expected to be proficient in the use of word processing, database, and spreadsheet software. No coursework is required to fulfill this criterion. Knowledge derived from professional or personal experience will qualify. If a student feels that he or she does not have the necessary base of knowledge to fulfill this requirement, there are various resources available on campus, such as self-paced tutorials and hands-on programs that would be helpful to increase computer knowledge and experiences.

International applicants

Applicants from foreign countries whose native language is not English are required to submit scores on the Test of English as a Foreign Language (TOEFL). Review [English Proficiency Requirements](https://international.missouristate.edu/Services/english-proficiency.htm) (<https://international.missouristate.edu/Services/english-proficiency.htm>).

English Language Institute

The English Language Institute (ELI) began classes in June 1996 with five students. Since that time, the program has experienced continued growth and now serves more than 150 students, most of whom are preparing for study in undergraduate or graduate programs at Missouri State University. The ELI offers five levels of study in core areas of writing, grammar, reading/vocabulary, academic listening skills, and speaking pronunciation classes. Through an intensive twenty-five hours per week, students have the opportunity to prepare for the language challenges of American classrooms. The focus of the English Language Institute, therefore, is to equip ESL students with the necessary language skills to achieve success in the degree program of their choice and to enhance their potential for future employment after graduation.

For more information, please contact: Director, English Language Institute, 301 S Jefferson, Springfield, MO 65806, USA, Phone 417-836-6540, Fax 417-836-4784, email JaneRobison@missouristate.edu (<mailto:JaneRobison@missouristate.edu>) or ELI@MissouriState.edu (<mailto:ELI@MissouriState.edu>). You may also visit the ELI Website at <http://international.missouristate.edu/eli> (<http://international.missouristate.edu/eli>).

Foundation courses

The MBA program requires 18 hours of foundation courses. This foundation is composed of the following six graduate-level courses which are designed to provide accelerated coverage of the knowledge base necessary for students to benefit most from the MBA curriculum:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| ACC 600 | Accounting Concepts for Managers | 3 hrs |
| ECO 600 | Fundamentals of Economics | 3 hrs |
| FIN 600 | Managerial Finance | 3 hrs |
| MGT 600 | Administrative, Organizational, and Operations Concepts for Managers | 3 hrs |
| QBA 600 | Statistical Methods in Business Research | 3 hrs |
| LAW 600 | Legal Environment for Business Managers | 3 hrs |
| | Total | 18 hrs |

Upon evaluation of baccalaureate degree transcripts, some or all of these courses may be waived, particularly for students holding an undergraduate degree in business.

All of the foundation courses are now available once each year via the Internet. These online courses do not have a campus component and can be completed entirely from the student's location. Contact the MBA

Program Director regarding questions about these courses.

Those considering entering the MBA program are encouraged to email mbaprogram@missouristate.edu (<mailto:mbaprogram@missouristate.edu>) with an unofficial copy of transcripts, requesting a transcript analysis by the MBA Program Coordinator.

Degree requirements

With foundation courses met, the MBA degree requires a minimum of 33 semester hours of graduate credit composed of:

| Area | Hours |
|--------------------|-----------------|
| Core Requirements | 24 hours |
| Other Requirements | 9 hours |
| Total | 33 hours |

1. Core requirements - 24 hours

| Course Code | Course Title | Credit Hours |
|--------------------------|---|--------------|
| *ACC 711 | Managerial Accounting** | 3 hrs |
| *ITC 761 | Management Information Systems | 3 hrs |
| *FIN 780 | Advanced Financial Management | 3 hrs |
| *MGT 764 | Organizational Behavior | 3 hrs |
| MGT 767 | Organization Strategy and Policy | 3 hrs |
| *MKT 772 | Marketing Management | 3 hrs |
| *QBA 775 | Quantitative Methods in Business Decision Making | 3 hrs |
| | International Requirement: Select one course from FIN 682*** , FIN 686 , MGT 747*** , MKT 764 , MKT 774 ; BUS 792 or FIN 792 or INS 792 . | 3 hrs |

*Students whose undergraduate major is in a MBA core course discipline must consult with the MBA Program Director to determine if they should substitute another 600- or 700-level course in the College of Business for the core course in that discipline.

**Students who have completed Managerial Cost Accounting must consult with the MBA Program Director to select an appropriate substitute course.

***Students who have already taken FIN 582 or MGT 447 must consult with the MBA Program Director for an appropriate substitute course.

2. Other Requirements - 9 hours**

Seminar (A Seminar Course is required) - 3 hrs

Most students will select from ITC 790, FIN 790 (or FIN 787), MGT 790, MKT 790 (or MKT 770), although other courses may be acceptable.

Elective Options - 6 hours:

In consultation with the MBA Director, students will select six hours of elective courses. Many students will choose to complete a COB Graduate Certificate in conjunction with their MBA, as most COB Graduate Certificates do not require additional coursework outside the 33 hours required for the MBA.

The COB Graduate Certificates that are available are:

- Graduate Certificate in Computer Information Systems
- Graduate Certificate in Cybersecurity
- Graduate Certificate in Data Analytics
- Graduate Certificate in Entrepreneurship
- Graduate Certificate in Finance
- Graduate Certificate in Financial Analysis
- Graduate Certificate in Forensic Accounting
- Graduate Certificate in International Business
- Graduate Certificate in Leadership
- Graduate Certificate in Management
- Graduate Certificate in Marketing
- Graduate Certificate in Quantitative Enterprise Risk Management
- Graduate Certificate in Tax Accounting

** No more than 6 hours of 600-level courses may be applied to the degree program.

3. Research

Students are expected to demonstrate research and writing proficiency appropriate to the business environment. Significant written projects are required within each of the core courses. In lieu of the required seminar course and one elective, a student may complete a thesis for 6 hours of credit.

Executive MBA option (EMBA)

When offered to a select group of students, typically a cohort, with significant business experience, the MBA Program may be presented in a format referred to as the Executive MBA Option or the EMBA. From a curricular viewpoint, the EMBA would be structured in the same way as the traditional MBA, however, the presentation format of core and elective courses will be designed in such a way as to maximize the benefit to working business professionals.

GMAT/GRE scores are not required for admission to the EMBA, however, the applicant would need to provide documentation verifying at least 5 years of business experience.

For EMBA students, prerequisite requirements for the core program courses can be satisfied through appropriate prior coursework, relevant business experience or by an individualized study program developed and supervised by the EMBA Program Director.

The credit hour costs for classes taken by students enrolled in the EMBA program are assessed at a higher rate than the traditional MBA offerings due to additional expenditures associated with the program.

Admission Requirements

Completion of a regionally accredited undergraduate degree.

1. Completion of 5 or more years of business/professional experience.

Academic standing

A student who fails to attain a 3.00 GPA after completing the approved program may enroll for additional course work not to exceed 6 semester hours to raise the GPA. The course work will be approved by the Director of the MBA Program and the Dean of the College of Business.

The maximum class load for a full-time student is normally 12 hours per semester. An overload is permitted only after students have demonstrated their ability to achieve an outstanding graduate record at this university. Students employed in a full-time job should not enroll for more than 6 semester hours.

All other University and Graduate College requirements governing grading and attendance will apply.

To enroll in graduate courses in the College of Business, a student must satisfy one of the two conditions listed below:


1. be admitted to a graduate program in the College of Business, or
2. have permission to enroll from the Director of the MBA Program.

Students who do not meet one of these two conditions will be dropped from the course(s) at any time during the session involved.




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Missouri State


Graduate College

Graduate Catalog

School of Accountancy

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Accountancy \(MAcc\)](#) 

[Business Administration \(MBA\)](#)  

Administered by the College of Business

Certificates

[Data Analytics in Accounting](#) (Certificate)

[Tax Accounting](#) (Certificate)

[Forensic Accounting](#) (Certificate)

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

Contact

Director

Kimberly Church

Mission statement

The School of Accountancy (SOA) cultivates a comprehensive, high quality accounting education environment, serving graduate and undergraduate accounting majors, business majors, and other interested persons. Student development is the School's top priority, and the primary responsibility of a full-time faculty engaged with its students. Accordingly, faculty encourages interaction with students in the classroom, during office visits and through other school, college, and university programs. The faculty is also engaged in productive scholarship and meaningful service and interaction with the accounting profession, the University, and the larger community. The SOA acknowledges that teaching, research, and service are integrated, complementary activities. These scholarly endeavors advance knowledge, foster an attitude of inquiry, meet the needs of society, and contribute to student learning

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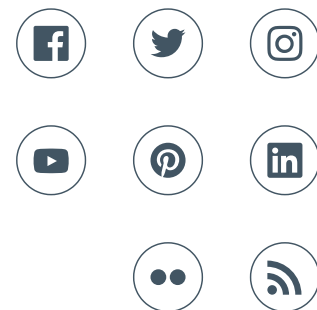
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Missouri State

Graduate College

Graduate Catalog

Accountancy Graduate Faculty

Professors

David B. Byrd

Lester E. Heitger

George Schmelzle

Associate professors

Paul A. Ashcroft

Carl E. Keller, Jr.

John R. Williams

Senior instructor

Michael Hammond

Emeritus professors

Ronald R. Bottin

Kenneth W. Brown

Sandra D. Byrd

Michael J. Cerullo

Margaret Virginia Cerullo

Kurt E. Chaloupecky

Sidney R. Ewer

Olen Greer

Phillip D. Harsha

Anthony C. Keller

Geanie W. Margavio

Jon R. Nance


Debra H. Oden

Stevan K. Olson



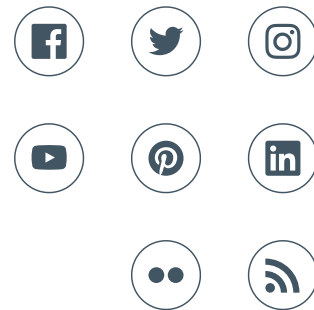


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Missouri State

Graduate College

Graduate Catalog

Accountancy Courses

Accounting (ACC) courses

ACC 600 Accounting Concepts for Managers

Prerequisite: permission of a director of a College of Business graduate program or the director of the Master of Professional Studies program.

Comprehensive study of the fundamentals of financial and managerial accounting. Designed for graduate students who have not had an undergraduate course in accounting. Cannot be counted toward the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 604 Advanced Accounting

Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.

Study of accounting for pensions, deferred taxes, business combinations, partnerships, and certain multicurrency accounting issues. Research assignments are required. May be taught concurrently with ACC 504. Cannot receive credit for both ACC 504 and ACC 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 606 International Accounting

Prerequisite: grade of "C" or better in ACC 302; and admitted to the MAcc Program.

Accounting practices in different nations; multi-national corporation and selected accounting problems. Research assignments are required. May be taught concurrently with ACC 506. Cannot receive credit for both ACC 506 and ACC 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 613 Managerial Cost Accounting II

Prerequisite: grade of "C" or better in ACC 311 and admitted to the MAcc Program.

A continuation of the topics examined in ACC 311. Specific topics covered include activity-based costing, strategic cost management, activity- and strategic-based responsibility accounting, quality costing, measurement and control of productivity, environmental cost management, cost-volume-profit analysis, activity resource usage, relevant costing, pricing and profitability analysis, capital investment decisions, and inventory management topics such as economic order quantity, just-in-time, and the theory of constraints. May be taught concurrently with ACC 513. Cannot receive credit for both ACC 513 and ACC 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 624 Tax Accounting II

Prerequisite: grade of "C" or better in ACC 321; and admitted to the MAcc Program.

Principles of federal tax accounting; research in income tax problems of partnerships and corporations; estate and gift tax problems of individuals. Research assignments are required. May be taught concurrently with ACC 524. Cannot receive credit for both ACC 524 and ACC 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 625 Individual Income Tax Assistance

Prerequisite: grade of "C" or better in ACC 321; and permission of instructor; and admitted to the MAcc Program.

To provide students with an opportunity to integrate intermediate tax accounting skills, critical thinking skills, communication skills, and research skills with community service. This course provides service-learning

experience in the preparation and review of actual individual income tax returns (both federal and state) as well as the social and ethical issues inherent in U.S. tax policy. May be taught concurrently with ACC 525. Cannot receive credit for both ACC 525 and ACC 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring |

ACC 632 Governmental and Not-For-Profit Organizational Accounting

Prerequisite: grade of "C" or better in ACC 301; and admitted to the MAcc Program.

Governmental and not-for-profit organizational accounting records and funds, budgeting, budget control, analysis and interpretation of financial statements. Research assignments are required. May be taught concurrently with ACC 532. Cannot receive credit for both ACC 532 and ACC 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 642 Data Analytics in Accounting

Prerequisite: admitted to the MAcc program or permission of the Director of the School of Accountancy.

This course introduces students to data analytics tools and techniques in accounting. Topics include: statistical techniques, data analysis, and visualization. This course uses Microsoft Excel, Tableau, and other data analysis tools to implement and apply applications of these concepts and techniques. May be taught concurrently with ACC 542. Cannot receive credit for both ACC 642 and ACC 542.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 653 Auditing

Prerequisite: grades of "C" or better in ACC 300 and ACC 301 and ACC 302 and ACC 311 and ACC 321 and ACC 341; and admitted to the MAcc Program.

Kinds of audits, the duties and obligations of the auditor, principles and procedures to be followed in conducting an audit. A grade of "C" or better is required in this course in order to take ACC 703, 750, 751, 752, 754 and 790. This course has a required assessment component. Research assignments are required. May be taught concurrently with ACC 553. Cannot receive credit for both ACC 553 and ACC 653.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 655 Internal Auditing

Prerequisite: grade of "C" or better in ACC 341; and admitted to the MAcc Program.

Functions of internal audit, financial audit, and operations audit; importance of the changing professional status of the internal auditor. May be taught concurrently with ACC 555. Cannot receive credit for both ACC 555 and ACC 655.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ACC 656 Operational Auditing

Prerequisite: admitted to MAcc Program.

Primarily a case study approach covering nonfinancial audits of efficient and effective resource utilization, accomplishment of operational goals, adherence to laws and regulations, fraud prevention and detection, integrity and security of computer systems, and achievement of program goals. May be taught concurrently with ACC 556. Cannot receive credit for both ACC 556 and ACC 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ACC 688 Healthcare Accounting Concepts

The role of accounting in the financial and operational management of healthcare organizations is approached via an introduction to healthcare financial and managerial accounting principles. This course addresses the definition of financial accounting; external reporting; development and use of the income statement, balance sheet and statement of cash flows. The course also addresses the managerial accounting topics of cost behavior and allocation; accounting data for pricing and service decisions; planning and budgeting in healthcare organizations; analysis of financial condition; and selected topics in ethics. The course is a core requirement for Master of Health Administration students and may be of interest to students in other graduate programs. Note that ACC 688 cannot be substituted for ACC 711 in the MBA program and cannot be counted in the 33 semester hours required for the MAcc degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

ACC 695 Research Issues and Problems: Accounting

Prerequisite: permission of the Director of the School of Accountancy; and admitted to the MAcc Program.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a maximum of three hours. May be taught concurrently with ACC 596. Cannot receive credit for both ACC 596 and ACC 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ACC 703 Seminar in Accounting Theory

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and grade of "C" or better in ACC 604 or ACC 504; and admitted to the MAcc Program.

Critical evaluation and interpretation of accounting theory. Completion of a significant research project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 705 Advanced Financial Accounting Problems

Prerequisite: grade of "C" or better in ACC 302; and grade of "C" or better in ACC 504 or ACC 604; and admitted to MAcc program.

An in-depth study of contemporary advanced financial accounting topics for professional accountants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 711 Managerial Accounting

Prerequisite: grade of "C" or better in ACC 211 or ACC 206 or ACC 600; and admitted to MBA or MHA program.

Role of accounting in improving the practice of business management; budgeting, accounting analysis, the behavior of costs, accounting control. This course will not be counted in the 33 semester hours required for the

MAcc degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 712 Controllership and Communication

Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to the MAcc Program.

An in-depth examination of the leadership and communication challenges associated with being a controller and/or professional accountant. The written and oral communication skills required for success as a professional accountant will be developed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ACC 715 Advanced Cost Accounting

Prerequisite: grade of "C" or better in ACC 613 or in ACC 513; and admitted to the MAcc Program.

An in-depth study of contemporary topics for cost accountants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 721 Advanced Tax Accounting

Prerequisite: grade of "C" or better in ACC 321; and grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.

Case study approach to develop tax research, analytical, and communication skills. Incorporated into the case studies are ethical and legal constraints within which tax practitioners are obligated to operate.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 722 Public Service Tax Accounting

Prerequisite: permission of instructor; and admitted to MAcc program.

Students will learn theoretical foundations in public service tax accounting topics and develop skills; which will apply to practical situations that will help students be better citizens and employees. Students will assist low-income, elderly, and English as Second Language taxpayers in the community in identifying and meeting their tax rights and responsibilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Spring |

ACC 723 Tax Considerations for Decision Makers

Prerequisite: grade of "C" or better in ACC 624 or in ACC 524; and admitted to MAcc program.

Tax course with emphasis on recognizing and understanding the importance of tax considerations in the process of making decisions in business and personal matters; developing a tax institution to anticipate and understand the effect of prospective tax law changes; examining U.S. tax policy issues; and motivating students to a lifetime of learning by engaging them in independent study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ACC 726 Regulation Issues for Accountants

Prerequisite: ACC 624 or ACC 524; and admitted to the MAcc program.

The course is designed to provide students with a focused intensive study of regulation issues particularly relevant to professional accountants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 731 Control of Non-Profit Organizations

Prerequisite: grade of "C" or better in ACC 311 or in ACC 711; and admitted to MAcc program.

Case study approach to financial control in non-profit organizations. Special emphasis is on governmental and health care organizations, although other non-profit organizations are also studied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ACC 741 Advanced Accounting and Management Information Systems

Prerequisite: grade of "C" or better in ACC 341; and admitted to MAcc program.

Application of the concepts of systems design and implementation. Study of the attributes of accounting information systems and their relationship with management information systems. Functions of accounting information systems including data collection and transmission, internal controls, data organizations and storage, processing data, and information retrieval and display. Characteristics and applications of both manual and automated information systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ACC 750 Advanced Auditing

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

An in-depth study of contemporary topics for auditing professionals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 751 Computer Forensics and IT Auditing

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

A study of information systems controls; auditing around, through, and with the computer; auditing advanced computer systems, spreadsheets and other fourth generation language applications. Hands-on computer auditing projects will be integrated into the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 752 Fraud Examination

Prerequisite: grade of "C" or better in ACC 653 or in ACC 553; and admitted to MAcc program.

An in-depth study of the fraud examination process, including fraud prevention, detection, investigation, and management and employee fraud, and the legal aspects of fraud. Case studies are used extensively throughout the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ACC 754 Forensic Accounting: Litigation Support and Expert Witnessing

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.

This course explores one of the major areas of practice in forensic accounting. The course provides an in-depth investigation into the world of accounting litigation support and financial expert witnessing. The course requires students to actively participate in case analysis, development of expert reports, deposition testimony, and trial testimony. Students are exposed to the legal issues that impact on their role as an expert witness.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 762 Business and Accounting Concepts for Accountants

Prerequisite: admitted to the MAcc program.

The course is designed to provide students with a focused, intensive study of business and accounting concepts particularly relevant to professional accountants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ACC 790 Seminar in Accounting

Prerequisite: grade of "C" or better in ACC 653 or ACC 553; and admitted to MAcc program.

Critical evaluation and interpretation of the current research and professional literature in accounting. Study of ethical and institutional features of the accounting environment. Completion of a significant research project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ACC 794 Internship: Accounting

Prerequisite: 12 graduate hours of accounting courses; and permission of instructor; and admitted to MAcc program.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined, and evaluated during the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ACC 796 Independent Study-Accounting

Prerequisite: permission of instructor; and admitted to the MAcc program.

In consultation with coordinating professor, student selects for intensive study of a specific area of concern related to the student's program, with emphasis on research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ACC 797 Special Topics in Accounting

Prerequisite: 9 graduate hours of accounting courses; and admitted to the MAcc program.

In-depth study of contemporary topics in accounting. Each offering concerns a single topic. May be repeated with departmental permission to a maximum of nine hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ACC 799 Thesis

Prerequisite: permission of instructor; and admitted to the MAcc program.

Independent research and study connected with preparation of thesis.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |




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Graduate College

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Accountancy



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Master of Accountancy

John Williams, Graduate Program Director

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Email: accountancy@missouristate.edu (<mailto:accountancy@missouristate.edu>)

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Elizabeth Reger, Program Coordinator

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Program description

The Master of Accountancy (MAcc) is intended to articulate with the undergraduate program to provide an integrated five-year educational experience, with the objective of preparing the graduate for a successful career in public, private, or governmental accounting, or for pursuing a doctoral degree. It also meets the “150-hour”

education requirement to sit for the CPA examination and for membership in the American Institute of Certified Public Accountants.

An *accelerated option* is available for eligible Missouri State University undergraduate accounting majors. Students must apply during the second semester of their junior year. If accepted, up to 6 hours of 600-700 level accounting courses may be counted toward both the undergraduate and graduate degrees. This option allows Missouri State University accounting majors to obtain both the Bachelor of Science and MAcc degrees in five years with a total of 152 semester hours rather than the normal 158 hours.

The MAcc program is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Admission - to apply for admission, go to the Graduate College website and apply online.

XF policy

High standards of professional conduct are required for admission to the accounting profession and to obtain and retain professional accounting certifications (CPA, CMA, CIA, CFE, etc). Prospective graduate students who have been assigned a grade of XF (failure due to academic dishonesty) at Missouri State University (MSU), or the equivalent at another institution of higher education, may be denied acceptance to any graduate program offered by the SOA including the Master of Accountancy, and Certificates in Forensic Accounting and Tax Accounting. Students who have been assigned a grade of XF at MSU, or the equivalent at another institution of higher education, are required to inform the SOA Graduate Program Director of such grade at the time of application, even if the X was subsequently removed. Failure to inform the SOA Graduate Program Director of this previous XF or equivalent grade will result in removal from the program. A student assigned a grade of XF while studying toward completion of one or more of the previously listed graduate programs or certificates will be immediately removed from the program(s).

Admission - Traditional MAcc

Admission to the MAcc program is competitive. The student must have received an undergraduate degree from a regionally accredited college or university.

1. Overall GPA of at least 3.00 and 3.00 in upper-division accounting courses.
2. A competitive score on the GMAT (no other test accepted). Students with a GPA of at least 3.25 from an AACSB accredited school may waive the GMAT requirement.
3. Applicants whose native language is not English must submit scores on the internet-based Test of English as a Foreign Language (TOEFL). A total score of at least 90 is required, along with the following minimum scores in the component parts:
 - a. Reading: 15;
 - b. Listening: 15;
 - c. Speaking: 18;
 - d. Writing: 17.
4. Applicants must have completed appropriate prerequisites as determined by the MAcc Program Director. Normally, recently completed courses that include the study of FASB standards, AICPA Statements on Auditing standards, PCAOB Auditing standards, and IRS code will meet some prerequisite requirements. Applicants who need to complete prerequisite courses must complete them before starting graduate courses.

5. Applicants who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission.
6. All other University and Graduate College requirements for admission to a degree program will also apply.

Admission - Accelerated MAcc

Admission is competitive. Students enrolled in the undergraduate accounting program at Missouri State University may apply for admission into the Accelerated MAcc program. This program allows students to count up to six hours of graduate coursework toward both the undergraduate and graduate degree. Student must meet the following requirements.

1. Completion of at least four of [ACC 301](#), [ACC 302](#), [ACC 311](#), [ACC 321](#) and [ACC 341](#) with a GPA of 3.00 or better.
2. An overall GPA of 3.00 or better.
3. Applicants whose native language is not English must submit scores on the internet-based Test of English as a Foreign Language (TOEFL). A total score of at least 90 is required, along with the following minimum scores in the component parts:
 - a. Reading: 15;
 - b. Listening: 15;
 - c. Speaking: 18;
 - d. Writing: 17.
4. A competitive score on the GMAT. Students with an overall GPA of 3.25 and a 3.25 GPA in four of [ACC 301](#), [ACC 302](#), [ACC 311](#), [ACC 321](#) and [ACC 341](#) may waive this GMAT requirement.
5. For a courses to be designated as Mixed Credit, the MAcc Program Director, the SOA Director and the Graduate College must approve by signing the Permission for Mixed Credit form. This form must be obtained prior to registering for the courses.
6. All other University and Graduate College requirements for admission will also apply.

Prerequisite courses

The MAcc can accommodate students without undergraduate degrees in accounting. Deficiencies in a student's undergraduate business or accounting education must be removed by taking appropriate prerequisite courses. Those courses add to the number of hours required to complete the program. To determine the extent of deficiencies, students should contact the MAcc Program Director for a transcript analysis.

By completion of the MAcc Program, the student is expected to meet the common body of knowledge requirements of the AACSB International. These requirements involve course work in economics, statistics, computer information systems, finance, business law, management and marketing that is essentially equivalent to that required of Missouri State University undergraduate accounting majors.

Degree requirements total 30 hrs

The Master of Accountancy degree requires a minimum of 30 hours of graduate credit. At least 24 of the 30 hours must be taken at the 700 level. Specific course and credit hour requirements follow.

1. **Accounting Core - 9 hrs**
[ACC 703](#), [ACC 741](#) and [ACC 762](#)

2. Program Tracks: Choose one of the following Tracks:

- a. Public Track: [ACC 705](#), [ACC 726](#), [ACC 750](#)
- b. Corporate Track: [ACC 613](#), [ACC 712](#), [ACC 715](#)

3. Electives - 12 hrs

With advisor approval, select four (4) courses. A student's program may include up to six (6) hours of 600-level courses and up to nine (9) hours of courses outside of accounting from the following list: [FIN 638](#), [FIN 780](#), [QBA 775](#), [ITC 655](#), [ITC 660](#), [ITC 765](#). In limited cases and with approval of the Director of the School of Accountancy, a course not on the preceding list may be applied to the MAcc. Note: No more than a total of three (3) credit hours from [ACC 695](#), [ACC 794](#), or [ACC 796](#) may be applied to the MAcc degree.

4. Research

Research projects may be required in any graduate accounting course. [ACC 703](#) will have a significant professional research component.

Academic standing

A student who fails to attain a 3.00 GPA after completing the approved program may enroll for additional course work not to exceed 6 semester hours to raise the GPA. The course work will be approved by the MAcc Program Director.

The maximum class load for a full-time student is normally 12 hours per semester. An overload is permitted only after students have demonstrated their ability to achieve an outstanding graduate record at this university. Students employed full-time should not enroll for more than 6 semester hours.

All University and Graduate College requirements governing grading and attendance will apply. To enroll in graduate courses in the College of Business, a student must satisfy one of the following two conditions:

- 1. be admitted to a graduate program in the College of Business, or
- 2. have permission to enroll from the College of Business Program Director.

Students who do not meet one of these two conditions may be dropped from the course(s) at any time during the session involved.



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Data Analytics in Accounting



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Certificate in Data Analytics in Accounting

John Williams, Graduate Program Director

Glass Hall, Room 439, Phone: 417-836-5414

accountancy@missouristate.edu (<mailto:accountancy@missouristate.edu>)

<https://www.missouristate.edu/SOA> (<https://www.missouristate.edu/SOA>)

Elizabeth Reger, Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (<mailto:ElizabethReger@MissouriState.edu>)

Program description

The Data Analytics in Accounting Graduate Certificate is a 12-hour graduate-level experience in the area of data analytics in the accounting field. The program involves in-depth study of topics related to data analytics in accounting, including data analysis, data visualization, IT auditing, and others. Contact the Director of the School of Accountancy for additional information.

Note: This certificate program is not eligible for Federal Financial Aid.

Entrance criteria

Candidates for the certificate program must be admitted to the certificate program. The candidate should have a bachelor's degree in accounting and meet minimum admission criteria for the Master of Accountancy program. All course work must be approved by the MAcc Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|--|--|--------------|
| ACC 642 | Data Analytics in Accounting* | 3 hrs |
| ACC 751 | Computer Forensics and IT Auditing | 3 hrs |
| ACC 741 | Advanced Accounting and Management Information Systems | 3 hrs |
| <p>*If a student took ACC 542 as an undergraduate student, the student must take ITC 645 to substitute for the ACC 642 requirement.</p> <p>Select one of the following:</p> | | |
| ITC 628 | Database Application Development with Oracle | 3 hrs |
| ITC 645 | Data Infrastructure for Data Analytics | 3 hrs |
| ACC 794 | Internship (Analytics related) | 3 hrs |
| ACC 796 | Independent Study (Analytics related) | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.





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Graduate Catalog

Forensic Accounting



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Graduate programs

Certificate in Forensic Accounting

John Williams, Graduate Program Director

Glass Hall, Room 439; Phone: 417-836-5414

Email: Accountancy@MissouriState.edu (mailto:Accountancy@MissouriState.edu)

Website: [missouristate.edu/SOA](https://www.missouristate.edu/SOA/) (https://www.missouristate.edu/SOA/)

Elizabeth Reger, Program Coordinator

Glass Hall, Room 223; Phone: 417-836-5616

ElizabethReger@MissouriState.edu (mailto:ElizabethReger@MissouriState.edu)

Program description

The Forensic Accounting Certificate program provides a 12 hours graduate-level experience in the forensic accounting field. The program involves in depth study of forensic accounting and information technology topics, including fraud examination, litigation support, financial expert witnessing, business valuation, investigative data

mining and others. Contact the Director of the School of Accountancy or the MAcc Program Director for additional information.

Entrance criteria

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree in accounting and meet minimum admission criteria for the Master of Accountancy program. All course work must be approved by the MAcc Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|------------------------------|---|--------------|
| ACC 754 | Forensic Accounting: Litigation Support and Expert Witnessing | 3 hrs |
| ACC 752 | Fraud Examination | 3 hrs |
| ACC 751 | Computer Forensics and IT Auditing | 3 hrs |
| Select one of the following: | | |
| ACC 741 | Advanced Accounting and Management Information Systems | 3 hrs |
| ACC 750 | Advanced Auditing | 3 hrs |
| ACC 794 | Internship (Forensic Accounting related) | 3 hrs |
| ACC 796 | Independent Study (Forensic Accounting related) | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.



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Tax Accounting



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Graduate programs

Certificate in Tax Accounting

John Williams, Graduate Program Director

Glass Hall, Room 439, Phone: 417-836-5414

Email: accountancy@missouristate.edu (<mailto:accountancy@missouristate.edu>)

Website: <http://missouristate.edu/SOA> (<http://missouristate.edu/SOA>)

Elizabeth Reger, Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (<mailto:ElizabethReger@MissouriState.edu>)

Program description

The Tax Accounting Graduate Certificate program provides a 12 hours graduate-level experience in the tax accounting field. The program involves in depth study of tax accounting topics, including individual taxation, corporate taxation, tax planning, applied tax problems and others. Contact the Director of the School of Accountancy or the MAcc Program Director for additional information.

NOTE: This certificate program is not eligible for Federal Financial Aid.

Entrance criteria

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree in accounting and meet minimum admission criteria for the Master of Accountancy program. All course work must be approved by the MAcc Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|------------------------------|--|--------------|
| ACC 721 | Advanced Tax Accounting | 3 hrs |
| ACC 726 | Regulation Issues for Accountants | 3 hrs |
| ACC 723 | Tax Considerations for Decision Makers | 3 hrs |
| Select one of the following: | | |
| ACC 625 | Individual Income Tax Assistance | 3 hrs |
| FIN 638 | Introduction to Estate Planning | 3 hrs |
| ACC 794 | Internship (Tax Accounting related) | 3 hrs |
| ACC 796 | Independent Study (Tax Accounting related) | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.




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Department of Finance and General Business

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Business Administration \(MBA\)](#)  

Administered by the College of Business

Certificates

[Finance](#) (Certificate)

[Quantitative Enterprise Risk Management](#)
(Certificate)

[Financial Analysis](#) (Certificate) 

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs.

Contact

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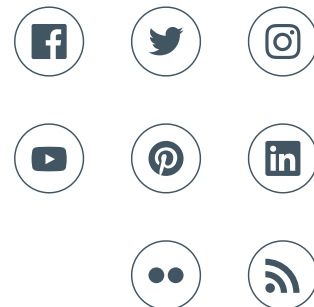
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Distinguished professor

Carol J. Miller

Professors

Wayne L. Anderson

C. Edward Chang

K. Stephen Haggard

Stanley A. Leasure

Kent P. Ragan

Associate professors

Walt A. Nelson

James Philpot

Puneet Prakash

H. Douglas Witte

Y. Jenny Zhang

Assistant professors

Seth Hoelscher

Jeffrey Jones

Cedric Mbanga

Emeritus professors

Vencil J. Bixler

John S. Bowdidge

Susan J. Crain

Kee S. Kim

John K. Litvan

Robert W. Owens

John E. Patton


James B. Pettijohn

James R. Scott


George S. Swales, Jr.




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Missouri State

Graduate College

Graduate Catalog

Finance and General Business Courses

Business (BUS) courses

BUS 601 Foundations and Applications of Business Principles

Prerequisite: permission of the director of the Master of Professional Studies program.

An exploration of business principles and their application. Designed for graduate students who do not have an undergraduate degree in business. This course may not be counted in the hours required for a College of Business undergraduate or graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BUS 610 E-Business and Online Entrepreneurship

A study of e-business and online entrepreneurship from an applied, best practices point of view. Classroom visits by online entrepreneurs provide unique, real-world insights into the advantages, disadvantages, and challenges of doing business over the internet. May be taught concurrently with BUS 510. Cannot receive credit for both BUS 610 and BUS 510.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BUS 650 Negotiation, Mediation, and Arbitration in Business

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with LAW 650. May be taught concurrently with BUS 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BUS 790 Seminar in Contemporary Business Issues

Prerequisite: 15 graduate hours and admission to a graduate program.

A variable topics course focusing on contemporary issues in business. The course will include a significant writing/research project and presentation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BUS 792 International Study Away in Business

Prerequisite: acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will address the economic, political, global, historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations with graduate level proficiency. Group interactions based upon trust, respect, and integrity are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BUS 795 Domestic Study Away in Business

Prerequisite: acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with a domestic Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major U.S. financial center(s) (e.g. New York City) to be visited. This will address the economic, political, global, historical, social, ethical and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting, and presentations with graduate level proficiency. Group interactions based upon trust, respect, and integrity are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Finance (FIN) courses

FIN 600 Managerial Finance

Prerequisite: ACC 600 and ECO 600; and permission of a director of a College of Business Graduate Program.

Comprehensive study of the finance function in the business enterprise, including financial analysis-planning-forecasting, capital budgeting, leasing, working capital management, capital structure, dividend policy, and multinational finance. Designed for graduate students who have not had an undergraduate course in financial management in the last five years. This course will not be counted in the hours required for a College of Business undergraduate or graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

FIN 638 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or FIN 600 or concurrent enrollment.

Estate planning process; estate distribution, probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with RMI 638. May be taught concurrently with FIN 538. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

FIN 681 Professional Financial Planning

Prerequisite: ACC 321 and FIN 381 and FIN 485 and RMI 211 and LAW 231; and RMI 314 or concurrent enrollment; and FIN 538 or RMI 538 or RMI 638 or ACC 524 or ACC 624 or concurrent enrollment.

A case-oriented study of comprehensive financial planning for client families. This course integrates prior knowledge of financial planning principles and practice, investments, insurance, law, tax planning, retirement planning, and estate planning. Advanced topics in these subjects are also presented. The financial planning process, standards of professional practice, and planner ethics are emphasized. May be taught concurrently with FIN 581. Cannot receive credit for both FIN 681 and FIN 581.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

FIN 682 International Financial Management

Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and grade of B- or better in FIN 380 or FIN 600.

This course is designed to survey how the key concepts of business finance can be applied in the context of a multinational firm. Topics include: the nature and functioning of the foreign exchange market, parity conditions, foreign exchange risk management, and international investment and financing decisions. May be taught concurrently with FIN 582. Cannot receive credit for both FIN 682 and FIN 582.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

FIN 686 International Financial Statement Analysis

Prerequisite: admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director, or a director of a graduate program within the College of Business; and a grade of B- or better in FIN 380 or FIN 600.

An introduction to the study of international financial statement analysis emphasizing the financial statement analysis portion of the common body of knowledge from the Chartered Financial Analyst (CFA) program. May be taught concurrently with FIN 586. Cannot receive credit for both FIN 686 and FIN 586.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

FIN 689 Management of Financial Institutions

Prerequisite: grade of B- or better in FIN 380 or FIN 600; and admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director or a director of a

graduate program within the College of Business.

A study of the theory and practice of managing depository and non-depository financial institutions. The principal focus is asset and liability management, especially with respect to the risks associated with establishing the ideal balance between the two. Such risks include interest rate, liquidity, credit, foreign exchange and capital risk. The use of money and credit markets, as well as derivative securities to minimize risk as well as to achieve strategic financial objectives is stressed. Management implications of current developments in the interaction between financial institutions and markets are discussed. May be taught concurrently with FIN 589. Cannot receive credit for both FIN 589 and FIN 689.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

FIN 697 Research Issues and Problems: Finance

Prerequisite: permission of department head.

Research issues and problems growing from special areas of a student's interest which may require additional depth or breadth of study. Student's proposal and outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with FIN 596. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

FIN 698 Financial Research and Portfolio Management

Prerequisite: FIN 485 or FIN 785.

An introduction to finance industry research tools and the use of those tools to conduct in-depth security analysis and portfolio management. The course emphasizes more advanced security analysis and portfolio management techniques, aided by the use of industry accepted research tools. May be taught concurrently with FIN 598. Cannot receive credit for both FIN 698 and FIN 598.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

FIN 699 Directed Study for CFA Level I Exam

Prerequisite: permission of instructor.

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level I Exam in June of the current year. May be taught concurrently with FIN 599. Cannot receive credit for both FIN 699 and FIN 599.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Spring |

FIN 780 Advanced Financial Management

Prerequisite: ACC 711; and a grade of B- or better in FIN 600; and admission to the MBA program, or admission to a graduate certificate program within the Finance and General Business Department, or permission from the MBA Program Director or a director of a graduate program within the College of Business.

An advanced study of the theory and practice of corporate financial management, including financial analysis and forecasting, working capital, capital budgeting, cost of capital, capital structure, mergers and acquisitions, and valuation. The course utilizes cases to emphasize both theory and technology in supporting sound financial decision-making.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

FIN 785 Investment Management

Prerequisite: FIN 780.

A study of investment theory and practice. Topics include portfolio theory, equilibrium in capital markets, equity and fixed income security analysis, derivatives (options, futures, swaps), portfolio management and strategies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

FIN 787 Seminar in Derivatives

Prerequisite: FIN 780.

A study of the fundamentals, pricing, and trading strategies of options, forwards, futures and swaps. Emphasis is placed on the modeling tools most widely used for calculating their prices and related hedging parameters. The course includes an exploration of current/relevant literature concerning market mechanics, participants, and government regulation. Each student will participate in the preparation of a significant team project and presentation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

FIN 788 Healthcare Financial Management

Prerequisite: ACC 688.

An introduction to fundamental financial management concepts and skills necessary for managers at a variety of levels in healthcare organizations. The course provides an overview of financial management and how the finance function is organized in healthcare organizations. Topics covered include: time value of money, risk and return, asset valuation, capital budgeting, financial analysis, costs of capital, and working capital management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

FIN 790 Seminar in Finance

Prerequisite: 15 graduate hours in business administration and economics including FIN 780 and permission of the coordinator of graduate studies.

Critical evaluation and interpretation of research and literature in finance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

FIN 792 International Study Away in Finance

Prerequisite: B- or better in FIN 380 or 600; acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will focus primarily on financial aspects of companies and institutions, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

FIN 794 Internship: Finance

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in on-the-job experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

FIN 795 Domestic Study Away in Finance

Prerequisite: B- or better in FIN 380 or FIN 600; and admission to a graduate program.

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major U.S. financial center(s) (e.g. New York) and the economic, political, international, historical, social, ethical, and cultural environment in which they function. 2. A visit of approximately seven days' duration to the financial center(s) to visit selected companies, financial markets, and cultural icons. 3. A final written project and group discussion of the experience. The course involves extensive research, written and oral reporting, and group interaction based upon trust, respect and integrity.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

FIN 796 Independent Study: Finance

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

FIN 799 Directed Study for CFA Level II Exam

Prerequisite: permission of instructor and successful completion of the CFA Level I exam.

The professor and student will devise a study plan, based upon the CFA Institute's Common Body of Knowledge, that will best-prepare the student to pass the CFA Level II Exam in June of the current year.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

Law (LAW) courses

LAW 600 Legal Environment for Business Managers

Prerequisite: permission of a director of a College of Business Graduate Program.

Contemporary legal and ethical issues encountered by business managers will be discussed, including issues related to torts, vicarious liability, products liability issues; formation and enforcement of contracts and sale of goods; regulatory environment affecting employment practices/discrimination, product advertising and environmental responsibility; economic development issues associated with environmental sustainability, property rights, constitutional law and city planning. Agency liabilities and fiduciary responsibilities of agents and managers in business organizations will be examined. An overview of the court system and legal dispute resolution mechanisms will be integrated. This course is primarily intended for MBA students who do not have equivalent undergraduate business law course work, and this course will not be counted in the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

LAW 631 Labor Law and Employment Discrimination

Prerequisite: LAW 231 or LAW 600.

Legal, regulatory, and ethical issues related to employer-employee relationship, including employment-at-will doctrine, discrimination and union contracts. May be taught concurrently with LAW 531. Cannot receive credit for both LAW 631 and LAW 531.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

LAW 632 Legal Environment of Business Organizations for Professionals

Prerequisite: LAW 231 or LAW 600.

Agency and employment responsibilities and liabilities facing new and traditional forms of business organizations are compared, along with selected tax and security regulation issues. Personal and real property concepts are examined, along with environmental exposure issues. Selected contract and UCC concepts are

reviewed. Issue recognition, problem analysis approach and testing mechanisms are especially appropriate for individuals taking the CPA or other professional exams. May be taught concurrently with LAW 532. Cannot receive credit for both LAW 632 and LAW 532.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

LAW 637 Environmental Regulation

Laws and government environmental regulation of air, water and soil quality, energy resources, solid and toxic waste disposal, storage tanks, toxic torts, labeling of toxic substances, recycling; ethical, public policy and international implications such regulations pose for business practices, natural resource utilization, health quality and biodiversity. May be taught concurrently with LAW 537. Cannot receive credit for both LAW 637 and LAW 537.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

LAW 639 Legal Regulation of International Commerce

Prerequisite: LAW 231 or LAW 600.

Legal and ethical issues associated with doing business in a global economy. Difference in approach to contracting and merchandising; product standards, protection and liability; trade barriers and regulation of business practices. May be taught concurrently with LAW 539. Cannot receive credit for both LAW 639 and LAW 539.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LAW 650 Negotiation, Mediation, and Arbitration in Business

A practical, skills-based study of negotiation, mediation, and arbitration from the business manager's perspective. This hands-on course is designed to develop the skills necessary to enable the business manager to effectively participate in negotiation, mediation, and arbitration as alternatives to litigation for resolving business disputes. Identical with BUS 650. May be taught concurrently with LAW 550. Cannot receive credit for more than one of BUS 550, BUS 650, LAW 550, or LAW 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

LAW 730 Seminar: Contemporary Legal Issues

Prerequisite: LAW 231 or LAW 600.

In-depth study of selected contemporary legal issues and their impact on the environment of business. Exploration of legal resources relevant to the topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LAW 733 Legal Regulation of Competition and Monopoly

Prerequisite: LAW 231 and LAW 335; or LAW 600.

Evolution of legal theory regarding governmental regulation of business. The judicial application of laws relating to anti-trust, price discrimination, entry regulation, rate making.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Risk Management and Insurance (RMI) courses

RMI 620 Risk Modeling and Analytics

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or QBA 600 or concurrent enrollment in any of these courses.

Actuarial and financial models of risk, statistical distributions, and simulations. Applications to operational, credit and market risks. May be taught concurrently with RMI 520. Cannot receive credit for both RMI 520 and RMI 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

RMI 630 Risk Transfer

Prerequisite: FIN 390 or FIN 485 or MTH 261 or RMI 310 or QBA 600 or concurrent enrollment in any of these courses.

Insurance transfers including captives. Non-insurance transfers including derivative markets, asset backed and insurance linked securitizations. May be taught concurrently with RMI 530. Cannot receive credit for both RMI 530 and RMI 630.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

RMI 638 Introduction to Estate Planning

Prerequisite: LAW 231 or LAW 600; and FIN 380 or FIN 381 or FIN 600 or concurrent enrollment.

Estate planning process; estate distribution, probate, wills, trusts, gifts, life insurance; taxes incidental to an estate; administration of estates and trusts; analysis and selection of devices for lifetime and testamentary transfers of property. Identical with FIN 638. May be taught concurrently with RMI 538. Cannot receive credit for more than one of FIN 538, FIN 638, RMI 538, or RMI 638.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

RMI 785 Advanced Topics in Risk Management and Insurance

Prerequisite: QBA 600 or equivalent.

Focus on the advanced study of risk management and insurance incorporating both theory and practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

RMI 792 International Study Away in Risk Management and Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and admission to a graduate program.

Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more international locations to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the international destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course

involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

RMI 795 Domestic Study Away in Risk Management and Insurance

Prerequisite: RMI 211; acceptance into the related Study Away program; and admission to a graduate program.


Offered in conjunction with an international Study Away program, this course consists of three parts; 1. Background research and discussion on selected companies and institutions in one or more major U.S. financial center(s) (e.g. New York City) to be visited. This will focus primarily on risk management and insurance aspects, but will also address the economic, political, global, historical, social, ethical, and cultural environment in which they function. 2. A visit, typically of seven days or longer, to the destination(s) to explore the culture and visit companies, institutions, and cultural icons. 3. A final written project and discussion of the experience. The course involves research, written and oral reporting and presentations with graduate-level proficiency. Group interaction based upon trust, respect, and integrity are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |



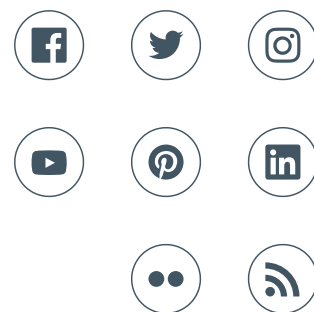
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Finance



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Certificate in Finance

Elizabeth Rozell, Graduate Program Director

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Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone: 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The Graduate Certificate in Finance provides a 12 hours graduate-level experience in the area of finance. The program involves in depth study of finance, including exposure to international issues. Contact the MBA Director or Program Coordinator for additional information.

Admission

- Candidates for the certificate program must be admitted to the University as a graduate student.

- The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program.
- All course work must be approved by the MBA Program Director.
- EMBA students must have a program of study approved by the Director of the EMBA program.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|--|--|--------------|
| FIN 785 | Investment Management | 3 hrs |
| FIN 787 OR FIN 790 | Seminar in Derivatives OR Seminar in Finance | 3 hrs |
| FIN 682 OR FIN 686 | International Financial Management OR International Financial Statement Analysis | 3 hrs |

Complete one ¹ additional course from the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| FIN 638 | Introduction to Estate Planning | 3 hrs |
| FIN 681 | Professional Financial Planning | 3 hrs |
| FIN 682 | International Financial Management | 3 hrs |
| FIN 686 | International Financial Statement Analysis | 3 hrs |
| FIN 689 | Management of Financial Institutions | 3 hrs |
| FIN 698 | Financial Research & Portfolio Management | 3 hrs |
| FIN 699 | Directed Study for CFA Level I Exam | 3 hrs |
| FIN 785 | Investment Management | 3 hr |
| FIN 787 | Seminar in Derivatives | 3 hrs |
| FIN 790 | Seminar in Finance | 3 hrs |
| FIN 792 | International Study Away in Finance | 3 hrs |
| FIN 795 | Domestic Study Away in Finance | 3 hrs |

No more than six hours of 600-level coursework may be used toward the Graduate Certificate in Finance

¹ If a student already completed FIN 582 and FIN 586, the student must take two (2) courses from the "Complete one additional courses..." list (excluding FIN 682 and FIN 686) and satisfy the international requirement for the


MBA program with a non-finance course.

GPA requirement


Students must have a 3.00 GPA on all coursework used toward the certificate. No course with a grade of C- or below can be used for the program.




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Financial Analysis



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Graduate programs

Certificate in Financial Analysis

Elizabeth Rozell, Graduate Program Director

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Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 223; Phone: 417-836-5616

ElizabethReger@MissouriState.edu (mailto:ElizabethReger@MissouriState.edu)

Program description

The Graduate Certificate in Financial Analysis is designed for students who wish to pursue a career in financial analysis. The certificate will help prepare students to pass the Level I Chartered Financial Analysis (CFA) Exam and will provide a foundation for further study in preparation for the Level II and Level III CFA Exams.

Admission requirements

1. The student must hold a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A student must meet one of the following criteria for admission to the Graduate Certificate in Financial Analysis program:
 - a. Satisfy the following condition: (Undergraduate GPA X 200) + GMAT \geq 1200.
 - b. Achieve an average GPA of 3.50 in the following three undergraduate courses: [FIN 390](#), [FIN 485](#), [FIN 586](#) (or [FIN 686](#) equivalent).
 - c. Achieve an average GPA of at least 3.50 in the following three graduate courses: [FIN 780](#), [FIN 785](#), [FIN 787](#).
3. The student must submit an application online.
4. Application Fee:
 - a. For first-time degree-seeking graduate students, pay the \$55 non-refundable graduate application fee.
 - b. Students applying online will be prompted to pay the fee by credit card or electronic check.
 - c. NOTE: applications will not be processed if the graduate application fee has not been paid.
5. Transcripts:
 - a. Submit to the Graduate College one (1) official transcript showing all course work for the bachelor's degree and any graduate-level work. At minimum, the bachelor's transcript must show grades for the last 60 hours of course work. Missouri State University transcripts do not need to be requested.
 - b. NOTE: transcripts are not considered official unless they are received directly from the institution where the coursework was completed. A transcript that is hand-delivered by a student is considered unofficial even if it does have the seal from the institution or received in an unopened envelope. In addition, students sending transcripts while coursework for a bachelor's degree is in progress will need to send another official copy showing that they have been awarded a bachelor's degree.
6. Acceptance into this certificate program does not imply acceptance into any other Missouri State University master's program.

Prerequisite courses

The following foundation courses (or their equivalents) are considered prerequisite courses for the Graduate Certificate in Financial Analysis program:

- [ACC 600](#) - Accounting Concepts for Managers (typical equivalent is [ACC 201](#) and [ACC 211](#))
- [ECO 600](#) - Fundamentals of Economics (typical equivalent is [ECO 155](#) and [ECO 165](#))
- [FIN 600](#) - Managerial Finance (typical equivalent is [FIN 380](#) with a grade of B- or better)
- [QBA 600](#) - Statistical Methods in Business Research (typical equivalent is [QBA 237](#) and [QBA 337](#))

A student that has completed an undergraduate degree in finance or a related field will generally have satisfied most or all of the prerequisite course requirements.

Required courses (12 - 18 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------------|-------------------------------|--------------|
| FIN 780 ¹ | Advanced Financial Management | 3 hrs |
| FIN 785 | Investment Management | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| FIN 787 | Seminar in Derivatives | 3 hrs |
| FIN 682 ² | International Financial Management | 0-3 hrs |
| FIN 686 ³ | International Financial Statement Analysis | 0-3 hrs |
| FIN 699 OR FIN 799 | Directed Study for CFA Level I Exam OR Directed Study for CFA Level II Exam | 3 hrs |

¹ If the student has already taken FIN 390 and FIN 480, QBA 775 must be taken in place of FIN 780.

² Can be waived if the student achieved a grade of B- or higher in FIN 582.

³ Can be waived if the student has a grade of B- or higher in FIN 586 or ACC 504/604.


GPA requirement

A 3.00 GPA or higher is required in the student's 12-18 hour certificate plan of study. No course with a grade of C- or below can be used for the program.





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Quantitative Enterprise Risk Management



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Certificate in Quantitative Enterprise Risk Management

Elizabeth Rozell, Graduate Program Director

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Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (<mailto:ElizabethReger@MissouriState.edu>)

Program description

The graduate certificate in Quantitative Enterprise Risk Management provides a 12 hour in-depth graduate-level experience in the area of Risk Management and insurance.

Admission process

Admission to the certificate program requires all of the following:

1. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program.
2. All course work must be approved by the MBA Program Director.
3. EMBA students must have a program of study approved by the Director of the EMBA program.

Required courses - 12 hours total

Choose 4 courses (12 hours) from the lists below:

Required courses - 9 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|-----------------------------|--------------|
| FIN 787 | Seminar in Derivatives | 3 hrs |
| RMI 620 | Risk Modeling and Analytics | 3 hrs |
| RMI 630 | Risk Transfer | 3 hrs |

Complete one ¹(#footnote-1) additional course from the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ITC 660 | Foundations of Cybersecurity | 3 hrs |
| ITC 748 | Principles of Information Security | 3 hrs |
| FIN 681 | Professional Financial Planning | 3 hrs |
| FIN 682 | International Financial Management | 3 hrs |
| FIN 686 | International Financial Statement Analysis | 3 hrs |
| FIN 689 | Management of Financial Institutions | 3 hrs |
| FIN 698 | Financial Research & Portfolio Management | 3 hrs |
| RMI 785 | Advanced Topics in Risk Management and Insurance | 3 hrs |
| RMI 792 | International Study Away in Risk Management and Insurance | 3 hrs |
| RMI 795 | Domestic Study Away in Risk Management and Insurance | 3 hrs |

¹(~~fn-return-1~~) If a student already completed the corresponding 500-level course of a 600-level course from the list, they may not take the 600-level course.


GPA requirement

Students must have a 3.00 GPA on all coursework used toward the certificate. No course with a grade of C- or below can be used for the program.





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Missouri State


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Graduate Catalog



Department of Information Technology and Cybersecurity

Programs

 Includes accelerated master's option

 Program can be completed online


Master's programs

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Administered by the College of Business

[Cybersecurity \(MS\)](#) 

[Information Technology \(MS\)](#) 

Certificates

[Cybersecurity \(Certificate\)](#) 

[Information Technology \(Certificate\)](#) 

[Data Analytics \(Certificate\)](#)

Accreditation

Contact

The MS in Information Technology program is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Program Description

The Master of Science in Computer Information Systems provides relevant and timely graduate education to information systems professionals. It is intended for experienced professionals who need increased skills in the effective management, development and implementation of information systems in organizations. Building upon work experience, the program uses a combination of intensive on-campus learning sessions and extensive distance-learning assignments to deliver a high-quality graduate learning experience to students. The result is a program which develops the effective organizational, leadership and job-specific skills needed by members of the fast-paced information systems field.

The credit-hour costs for classes taken by students enrolled in the MS in Information Technology program are assessed at a higher rate than other graduate programs. The current rate is \$500 per credit hour

Department head

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S. Berlin Brahnam

Joshua Davis

Richard A. Johnson

Rajeev Kaula

David B. Meinert

Dane K. Peterson

Randall S. Sexton

Associate professor

Duane R. Moses

Assistant professors

Rick Brattin

Ravi Thambusamy

Zhiguo Yang

Adjunct faculty

Keith Athmer

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Martin D. Crossland

Kirk Garten

Michael Hignite

Robert S. Hornberger

Steven F. Schmidt

Instructor

Andrew Lukavich

Jason Speer

Emeritus professors

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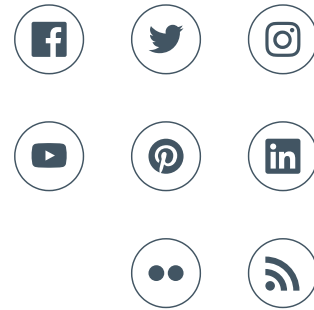


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Information Technology and Cybersecurity Courses

Computer Information Systems (ITC) courses

ITC 600 Information Systems in Business Organizations

Prerequisite: permission of a director of a College of Business graduate program.

Comprehensive study of the fundamentals of business information systems. Designed for graduate students who have not had undergraduate information systems courses. Will not be counted in the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 628 Database Application Development with Oracle

Prerequisite: ITC 466 or ITC 475 or permission of a director of a College of Business graduate program.

Application of database principles toward the development of a business information system. Emphasis will be on the design, construction, testing, and installation of a comprehensive database application using Oracle DBMS, SQL, PL/SQL, HTML, or other data access tools. A significant course project is required, and may be an individual or group project. May be taught concurrently with ITC 528. Cannot receive credit for both ITC 628 and ITC 528.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 645 Data Infrastructure for Data Analytics

This course focuses on emerging issues surrounding the modern data infrastructures that enable data analytics. Students will explore the challenges of working with Big Data (large, diverse datasets that often include varied data types and streaming data) in addition to traditional data infrastructures such as data warehouses. They will become familiar with capturing data from contemporary sources such as web and social media, mobile and sensors, and a variety of large, publically available datasets. Various data management techniques will be explored, including distributed file systems and associated query methods. The goal of this course is to prepare students to assess and recommend large-scale information storage and retrieval components which enable data analytics. May be taught concurrently with ITC 545. The graduate level (645) students will have a significant research project required above and beyond the undergraduate level (545) students. Cannot receive credit for both ITC 645 and ITC 545.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 655 Data Visualization

This course introduces data visualization concepts, principles, techniques and tools. Data visualization is an effective approach to discover insights from data. It is a necessary component in the skills portfolio of a data analytics professional. Students will learn relevant principles from fields such as psychology and human computer interaction. This course is designed as hands-on, experience oriented. The principles, concepts, ideas and insights discovering are taught by using data visualization software. The designed learning outcome is that students are able to (1) interpret and explain commonly used data visualization presentations, (2) suggest visualization methods for specific decision making purpose, (3) understand special features of visualization formats such as possible biases that readers may be subject to, and (4) use a software package to design and implement a visualization project. May be taught concurrently with ITC 555. The graduate level (655) students will have a significant research project required above and beyond the undergraduate level (555) students. Cannot receive credit for both ITC 655 and 555.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 660 Foundations of Cybersecurity

Prerequisite: permission of Cybersecurity program director.

This course is an introduction to the basic issues in computer security. While technical in nature, this course is introductory in its approach in that the student is not required to have an extensive background in programming or technical support. A significant research project is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 663 Telecommunications and Network Security

Prerequisite: ITC 660 and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used by security professionals to secure corporate networks. Topics include virtual private networks (VPNs), firewalls, and intrusion detection and prevention systems (IDS/IPS). Defense in depth will be taught through the installation and configuration of firewalls, VPNs, and IDS/IPS. Students will be able to recognize and prevent malicious attacks on corporate networks. A significant research project is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 664 Ethical Hacking and Incident Response

Prerequisite: ITC 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used by hackers to penetrate corporate networks. Topics include vulnerabilities of operating systems, incident-handling methods, and an overview of the process and methodologies used in penetration testing including ethical and legal implications. A significant research project is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 681 Foundations of Information Technology Service Management (ITSM)

Essential concepts of Information Technology (IT) Service Management. IT Service Management provides for the effective and efficient delivery of IT services in support of changing business needs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 682 Lean IT

Lean principles to manage IT with an emphasis on the reduction of waste and providing value to customers. Additional principles from Lean Six Sigma, continual improvement, IT Service Management, and other relevant areas will be covered. Course requires students to complete a project analyzing one or more of the existing IT processes of an organization.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 683 Cloud Computing

A study of the concepts and applications of cloud computing. Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g. networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction. May be taught concurrently with ITC 583. Cannot receive credit for both ITC 683 and ITC 583.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ITC 696 Problems in Business: Information Technology and Cybersecurity

Prerequisite: permission of a director of a College of Business graduate program.

Technical or professional problems growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a maximum of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ITC 720 Project Management in Information Systems

A study of the concepts, practices, processes, tools, techniques and resources used by information system (IS) project managers. The entire project life cycle will be covered from inception to close-out. The course will closely follow the framework of the Project Management Body of Knowledge (PMBok). The course will focus on how to manage the scope, schedule, budget and risk of projects, with emphasis on information systems and information technology projects.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 732 Strategic IT Planning

Prerequisite: admission to the MS in Information Technology program.

Introduction to fundamental issues of information system (IS) planning. Current theory and specific IS planning practices are studied. Emphasis on strategic implications of information technology, IS planning vis-a-vis strategic planning, development and maintenance of IS plans, analysis of organization information requirements, and prioritizing IS projects. Implications for business and technology trends and application of planning concepts to IS planning projects are examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 734 Staffing the Information Systems Function

Prerequisite: admission to the MS in Information Technology program.

Focus on current and emerging issues of recruitment, selection, training, motivation, retention and evaluation of IS staff. Issues include developing job descriptions, shifting demands for staffing, performance criteria, alternative approaches to training, alternative career tracks, and the role of personality types on performance. Influence of recent trends including downsizing, outsourcing, centralization and decentralization, and end-user computing will be examined. Current theory and specific practices are studied. Practical applications will be stressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 735 Neural Networks for Machine Learning

Artificial neural networks and how they are being used for machine learning, as applied to data analytics in the business environment. Students will be required to collect original data for neural network analysis. Different

learning algorithms will be explored, including the Genetic Algorithm. This course will lead to a graduate level paper with possibilities for publication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ITC 736 Data Communications and Information

Prerequisite: admission to the MS in Information Technology program.

Computer network planning, including physical layout, resource requirements, and budgeting. Administration of computer networks, including managing user accounts; selecting and loading applications software; managing upgrades and enhancements; monitoring and optimizing system performance; ensuring physical and logical system security.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 738 Information System Project Management

Prerequisite: admission to the MS in Information Technology program.

Objectives and techniques of planning, organizing, and managing complex information systems development projects. The course will include a study of resources and tools available for scheduling, tracking, and measuring system development productivity.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 740 Comparative Systems Development Methodology

Prerequisite: admission to the MS in Information Technology program.

Study of various systems development methodologies used to analyze, design, and implement information systems; selection criteria for a specific methodology, and how to introduce a new methodology within an existing environment. Specific tools and techniques for systems development and for business process reengineering will be explored and applied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 742 Management of End User Computing

Prerequisite: admission to the MS in Information Technology program.

Planning, organizing, staffing, control, and support of end user computing. Various organizational structures used to support end user computing will be investigated. Methodology for development of end user computing systems will be identified for several forms and types of projects. A case project will involve development of an end user system using an appropriate methodology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 744 Information Systems Management

Prerequisite: admission to the MS in Information Technology program.

Overview of managerial applications of information technology (IT) to increase effectiveness. Use of IT to support decision making, cooperative work, organizational competitive advantage, and inter-organizational communication. Various planning approaches will illustrate the use of IT in organizations. Case method will be used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 746 Data Management

Prerequisite: admission to the MS in Information Technology program.

Study of data modeling using tools such as Entity-Relationship and Semantic Object Models. Examination of the Database Administrator's responsibilities including monitoring and tuning of the database, establishment of database reliability, and security. A case project will include the development of a data model and a database administration plan for a client/server database system.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 747 IT Legal Issues

Prerequisite: admission to the MS in Information Technology program.

Focus on the legal and ethical environment relevant to advances in technology. Issues include intellectual property, jurisdiction, defamation, invasion of privacy, electronic contracts, computer crime, censorship,

unsolicited email, antitrust issues, and encryption. Recent developments, court decisions, federal and state statutes, treaties and international agreements, administrative rulings, and legal literature regarding internet law, will be explored and explained.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 748 Principles of Information Security

Prerequisite: admission to the MS in Information Technology program.

This course provides the foundation for understanding the key issues associated with protecting information assets, determining the levels of protection and response to security incidents, and designing a consistent, reasonable information security system, with appropriate intrusion detection and reporting features. The students will learn a balance introduction to both security management and technical components of information security; they will be exposed to the spectrum of security activities, methods, methodologies, and procedures. This spectrum includes inspection and protection of information assets, detection of and reaction to threats to information assets, and examination of pre- and post-incident procedures, technical and managerial responses and an overview of the information security planning functions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 750 Sourcing and Procurement

Prerequisite: admission to the MS in Information Technology program.

In-depth study of key factors and issues associated with hardware/software selection, acquisition and implementation. Emphasis on problem definition and analysis, comparative methodologies for evaluation and selection, identifying and qualifying vendors, and developing/evaluating request for proposals (RFP's). Management implications of enterprise-wide software solutions including software distribution, version and release management, and software standards and practices are discussed. Completion of an acquisition project will be included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 752 IT Leadership

Prerequisite: admission to the MS in Information Technology program.

This course is designed to provide an understanding and appreciation of organizational behavior issues facing senior and mid-level IT managers. Topics to be examined include: organizational behavior from an individual, group and structural perspective, organizational culture, leadership, perception and decision-making values and attitudes, and emotional intelligence. The material should be of interest and benefit to IT professionals, irrespective of technical specialty, who are currently in or aspire to IT management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 754 Organizational Transformation

Prerequisite: admission to the MS in Information Technology program.

Study of interrelated economic, social, political, and technological forces requiring organizations to transform their systems and processes to survive and succeed. Students will examine a variety of typical transformations from the perspective of a work unit member and a manager of the change process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 756 Special Topics in Information Technology

Prerequisite: admission to the MS in Information Technology program.

Variable content with topics that can change from semester to semester. Topics are identified by title in the schedule of classes. Practical applications will be stressed. May be repeated to a maximum of six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 761 Management Information Systems

Prerequisite: admission to the MBA program or permission from the MBA Program Director.

This course includes and goes beyond the typical management information system course material. It includes a macro application to the concepts, designs, and implementations of business information systems. Time is spent as well in exploring the importance of balancing technical innovation, business stewardship, and socially responsible and ethical uses of technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ITC 762 Legal Issues in Cybersecurity

Prerequisite: ITC 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This course provides an overview of the laws and legal processes involved in e-commerce, privacy, and intellectual property rights and cyberspace law. Risk analysis, incident response, and network forensic investigations. Objectives include recognizing the legal aspects of the security triad: confidentiality, integrity, and availability, examining the concepts of privacy and its legal protections, and being able to explain the importance of forensics examination in legal proceedings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 765 Computer Forensics

Prerequisite: ITC 660 and admission to the Cybersecurity program or permission.

This hands-on course addresses the fundamentals of computer system forensics. It will provide an overview of computer crimes, forensic methods, the role of computer forensics specialists, computer forensic evidence, and the application of forensic analysis skills. Emerging technology and future directions will be considered along with email, mobile, Window, Mac, and Linux forensics. A significant research project is required. May be taught concurrently with ITC 565. Cannot receive credit for both ITC 765 and ITC 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 766 Web Application Security

Prerequisite: ITC 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This hands-on course provides an introduction to tools and techniques used to hack web applications. Security strategies will be presented that can help to mitigate risk associated with web applications and social networking. Course objectives include analyzing the impact of the internet and web applications on the business world, the evolution of social media and social networking, analyzing common website attacks, weaknesses, and security best practices. A significant research project is required. May be taught concurrently with ITC 566. Cannot receive credit for both ITC 766 and ITC 566.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 767 Management of Information Security

Prerequisite: ITC 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.

This course surveys the management of the information security function within organizations. Topics include establishing and implementing information security policies; assessing and mitigating risk associated with IT infrastructure; and planning/auditing compliance with information security policies, laws and regulations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 770 Seminar in Cybersecurity

Prerequisite: 15 hours of graduate Cybersecurity courses and permission from the Cybersecurity Program Director.

Critical evaluation and interpretation of research and literature in Cybersecurity.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 790 Seminar in Management Information Systems

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and interpretation of research and literature in information systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ITC 794 Internship: Information Technology and Cybersecurity

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and

evaluated during the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ITC 796 Independent Study-Information Technology and Cybersecurity

Prerequisite: permission of advisor.

In consultation with the advisor, student selects, for intensive study, a specific area of concern related to the student's program, with emphasis on research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

ITC 797 Special Topics

Prerequisite: permission.

Study of topics in Information Technology and Cybersecurity. May be repeated to a maximum of six hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ITC 799 Thesis

Prerequisite: permission of instructor.

Independent research and study connected with the preparation of a thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Quantitative and Business Analysis (QBA) courses

QBA 600 Statistical Methods in Business Research

Prerequisite: permission of a director of a College of Business Graduate Program.

Comprehensive study of the fundamentals of statistics. Designed for graduate students who have not had an undergraduate statistics course. This course will not be counted in the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

QBA 737 Research Design and Analysis

Prerequisite: QBA 775 or concurrent enrollment.

Advanced statistical methods for conducting research in business and economics. Discussion and application of design procedures, hypotheses formulation, data collection and data analysis. Topics include regression analysis, and analysis of variance, multivariate analysis, experimental design, nonparametric methods, etc. Computer statistical packages will be used extensively.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

QBA 775 Quantitative Methods in Business Decision Making


Prerequisite: admission to the MBA program or permission from the MBA Program Director; and QBA 600 or equivalent.

A study of quantitative methods used to improve the decision-making process in business. Major topics include constrained optimization models, forecasting models, distribution/network models, simulation models, and project scheduling.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |




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Master of Science in Information Technology

Joshua Davis, Department Head

Glass Hall, Room 359; Phone 417-836-4131

JoshuaDavis@MissouriState.edu (mailto:JoshuaDavis@MissouriState.edu)

Program description

The Master of Science in Information Technology provides relevant and timely graduate education to professionals seeking skills in the effective management, development and implementation of information technology in organizations. Building upon the student's work experience and education, the program offers intensive online learning instruction assignments to deliver a high-quality graduate learning experience. The result is a program which develops the effective organizational, leadership and job-specific skills required in the fast-paced information technology field.

The MSIT program is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Entrance criteria

One or more of the following criteria will be considered for admission to the Master of Science in Information Technology program*:

1. Past academic performance.
2. Professional work experience.
3. Minimum qualifications for admission to Missouri State as a graduate student.

*Admission to the MSIT program is competitive, and satisfying the above entrance criteria does not guarantee admission. Provisional admission may be available for students do not meet the minimum criteria at the time of application. Provisional students may be required to successfully complete specific prerequisite courses in order to remove their provisional status.

Accelerated Master's Degree Option

Undergraduate majors in the College of Business may apply for admission to the Master of Science in Information Technology (MSIT) program during the second semester of their junior year. If accepted, up to 6 hours of 600- and 700-level COB classes taken in the senior year may be counted toward both the undergraduate and graduate degrees.

Admission Requirement:

1. Completion of 80 or more hours at time of application.
2. An overall GPA of 3.00 or better.

Before enrolling in a course that will apply to both the undergraduate program and the master's program an undergraduate student must:

1. Be accepted into the accelerated program.
2. Receive prior approval from the MSIT program director, department head of the undergraduate program, and the Dean of the Graduate College. This is done by using a Mixed Credit Form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule period for the course(s). See the Graduate College for further information.

International students ONLY

In addition to the requirements above, international applicants must also provide official TOEFL scores. Test must have been taken within the last two years of intended term of enrollment and sent to Missouri State University (code 6665) from ETS.

Degree requirements

The Master of Science in Information Technology is a 30 credit-hour program. Students typically complete the program in two years when taking two courses in each of the fall and spring semester and one course in the summer semester of each year. A maximum of two graduate-level courses (6 credit hours) taken at an approved post-secondary institution before acceptance into the program may be applied toward the degree if approved by the Program Director.

MSIT course offerings up to 30 credit hours:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ITC 732 | Strategic IT Planning | 3 hrs |
| ITC 734 | Staffing the Information Systems Function | 3 hrs |
| ITC 736 | Data Communications and Networking | 3 hrs |
| ITC 738 | Information System Project Management | 3 hrs |
| ITC 740 | IT System Development | 3 hrs |
| ITC 742 | Management of End User Computing | 3 hrs |
| ITC 744 | Information Systems Management | 3 hrs |
| ITC 746 | Data Management | 3 hrs |
| ITC 747 | IT Legal Issues | 3 hrs |
| ITC 748 | Principles of Information Security | 3 hrs |
| ITC 750 | Sourcing and Procurement | 3 hrs |
| ITC 752 | IT Leadership | 3 hrs |
| ITC 754 | Organizational Transformation | 3 hrs |
| ITC 756 | Special Topics in Information Systems | 3 hrs |
| ITC 765 | Computer Forensics | 3 hrs |


Research

Research projects with oral or written reports may be required in any graduate MSIT course.



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Master of Science, Cybersecurity

Joshua Davis, Graduate Program Director

Glass Hall, Room 359, Phone: 417-836-4131

Email: cybersecurity@missouristate.edu (mailto:Cybersecurity@missouristate.edu)

Website: <http://itc.missouristate.edu/> (http://cis.missouristate.edu)

Elizabeth Reger, Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (mailto:ElizabethReger@MissouriState.edu)

Program description

The Cybersecurity Master's Degree Program provides a 30-hour graduate-level experience in the field of Cybersecurity. The program provides hands-on labs and exercises to teach aspiring Cybersecurity professionals how to secure and defend Information Systems from malicious attackers and serve in senior management roles sometimes referred to as Chief Information Security Officer (CISO) or Chief Security Officer (CSO).

Entrance requirements

1. Admission to the MS, Cybersecurity program is competitive. Applications are reviewed and decisions are made on a rolling basis when application packets are complete. Candidates are encouraged to apply early, as seats often fill quickly.
2. The Program Coordinator looks at a variety of criteria that measure a candidate's potential for being a successful student. The following characteristics are considered in making admission decisions:
 - Admissibility to the Graduate College.
 - Professional work experience.
 - Past academic performance as evidenced by official transcripts.
 - Official GMAT or GRE scores. The GMAT may be waived for candidates who satisfy ALL of the following requirements:
 - i. Cumulative GPA of 3.25 or above.
 - ii. Prior admission to or graduation from a Missouri COB business unit major in the past five years OR graduation with a Bachelor's degree from an AACSB-accredited college or university.
 - iii. Completion of a minimum of 80 hours at the time of application.
 - iv. English proficiency requirements met.
 - To be considered for admission, students are required to submit the following. Additional documents may be required for international students:
 - Graduate Application
 - Official transcript
 - Official GMAT or GRE scores
 - Resume
 - Students who do not meet the admission requirements, but who show indication of high promise, will be considered for probationary admission.
 - All other University and Graduate College requirements for admission to a degree program will also apply. Qualified applicants may enter the program at the beginning of any semester. For information on GMAT or GRE, please contact Graduate Admissions (417-836-5331) or the Missouri State University Counseling and Testing Center (417-836-5116).

Accelerated Master's Degree option

Undergraduate majors in the College of Business may apply for admission to the Master of Cybersecurity program during the second semester of their junior year. If accepted, up to 6 hours of 600- or 700-level COB classes taken in the senior year may be counted toward both the undergraduate and graduate degrees. For example, upon admission into the Accelerated Master's program a student could take ITC 683 and have that course count for credit for ITC 583; ITC 660 could be taken for credit as ITC 560 and/or ITC 664 could be counted as credit for ITC 564. But, again, only 6 hours (2 of these previously listed courses) can be counted toward both the undergraduate and graduate degrees.

Before enrolling in a course that will apply to both the undergraduate program and the master's program, an undergraduate student must:

- Be accepted into the accelerated program.
- Receive prior approval from the graduate advisor, department head of the undergraduate program, and the Dean of the Graduate College. This is done by using a mixed credit form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission requirements

- Completion of 80 or more hours at time of application
- An overall GPA of 3.00 or better
- A competitive score on the Graduate Management Admissions Test (GMAT) or meet the requirements for a GMAT waiver (see Admissions Requirements for MS in Cybersecurity Program).

Degree requirements (minimum 30 hrs)

Complete 8 courses from below (24 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ITC 660 | Foundations of Cybersecurity | 3 hrs |
| ITC 663 | Telecommunications and Network Security | 3 hrs |
| ITC 664 | Ethical Hacking and Incident Response | 3 hrs |
| ITC 762 | Legal Issues in Cybersecurity | 3 hrs |
| ITC 765 | Computer Forensics | 3 hrs |
| ITC 766 | Web Application Security | 3 hrs |
| ITC 767 | Management of Information Security | 3 hrs |
| ITC 770 | Seminar in Cybersecurity | 3 hrs |

Complete 2 courses from below (6 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ITC 683 | Cloud Computing | 3 hrs |
| ITC 761 | Management Information Systems | 3 hrs |
| ITC 794 | Internship: Information Technology & Cybersecurity* | 3 hrs |
| ITC 797 | Independent Study - Information Technology & Cybersecurity* | 3 hrs |

*Requires Permission of the Department Head

Up to 6 semester hours of graduate work can be transferred from another accredited graduate school and applied to the MS, Cybersecurity degree requirements. All transfer credit must be approved by the Program Director.

GPA Requirements





Attain a grade point average of at least 3.00 on all graduate work utilized in the degree program (includes Missouri State University and transfer courses).



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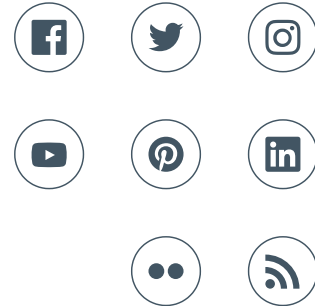
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Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 223 Phone 417-836-5616

ElizabethReger@MissouriState.edu (mailto:ElizabethReger@MissouriState.edu)

Program description

The Cybersecurity Graduate Certificate program provides a 12 hours graduate-level experience in the field of cybersecurity. The program provides hands on labs to teach cybersecurity professionals how to secure and defend information systems from malicious attackers. Senior level security professionals working in retail,

healthcare, military, and educational settings have curated the security curriculum to ensure immediately applicability.

Entrance criteria

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the COB Graduate Program Director.

Required courses (12 hrs)

Choose any 3 of the following after ITC 660 Foundations of Cybersecurity:


| Course Code | Course Title | Credit Hours |
|--------------------------|--|--------------|
| ITC 660 | Foundations of Cybersecurity | 3 hrs |
| ITC 663 | Telecommunications and Network Security | 3 hrs |
| ITC 664 | Ethical Hacking and Incident Response | 3 hrs |
| ITC 762 | Legal Issues in Cybersecurity | 3 hrs |
| ITC 765 | Computer Forensics | 3 hrs |
| ITC 766 | Web Application Security | 3 hrs |
| ITC 767 | Management of Information Security | 3 hrs |
| ITC 797* | Independent Study - Information Technology and Cybersecurity | 3 hrs |

* Requires permission of the Department Head


GPA requirement


Attain a grade point average of at least 3.00 on all graduate work utilized in the certificate program that includes Missouri State University and transfer courses.

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Data Analytics



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Certificate in Data Analytics

Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 223; Phone: 417-836-5616

Email: MBAProgram@MissouriState.edu (mailto:mbaprogram@missouristate.edu)

Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 223; Phone: 417-836-5616

ElizabethReger@MissouriState.edu (mailto:ElizabethReger@MissouriState.edu)

Program description

The Data Analytics Graduate Certificate program provides a 12 hours graduate-level experience in the field of data analytics. The program provides knowledge and training in advanced statistical analysis, machine learning, data infrastructure, and data visualization.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| QBA 775 | Quantitative Methods in Business Decision Making | 3 hrs |
| ITC 735 | Neural Networks for Machine Learning | 3 hrs |
| ITC 645 | Data Infrastructure in Data Analytics | 3 hrs |
| ITC 655 | Data Visualization | 3 hrs |


GPA requirement

Students must have a B- or better grade in each course and an overall GPA of 3.00 for the 12 hours to earn the certificate.





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Information Technology



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Certificate in Information Technology

Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 105; Phone: 417-836-5616

Email: COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The Information Technology Graduate Certificate program provides a 12 hours graduate-level experience in the computer information systems field. The program involves in depth study of computer security, project management, neural networks, and current research in management information systems. Contact the COB Graduate Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| <u>ITC 790</u> | Seminar in Management Information Systems | 3 hrs |
| Select three courses (9 hours) from the following: | | |
| <u>ITC 628</u> | Database Application Development with Oracle | 3 hrs |
| <u>ITC 645</u> | Data Infrastructure for Data Analytics | 3 hrs |
| <u>ITC 655</u> | Data Visualization | 3 hrs |
| <u>ITC 660</u> | Foundations of Cybersecurity | 3 hrs |
| <u>ITC 663</u> | Telecommunications and Network Security | 3 hrs |
| <u>ITC 664</u> | Ethical Hacking and Incident Response | 3 hrs |
| <u>ITC 681</u> | Foundations of Information Technology Service Management (ITSM) | 3 hrs |
| <u>ITC 683</u> | Cloud Computing | 3 hrs |
| <u>ITC 720</u> | Project Management in Information Systems | 3 hrs |
| <u>ITC 735</u> | Neural Networks for Machine Learning | 3 hrs |
| <u>ITC 761</u> | Management Information Systems | 3 hrs |
| <u>ITC 762</u> | Legal Issues in Cybersecurity | 3 hrs |
| <u>ITC 766</u> | Web Application Security | 3 hrs |
| <u>ITC 767</u> | Management of Information Security | 3 hrs |
| <u>ITC 794*</u> | Internship: Information Technology and Cybersecurity | 3 hrs |
| <u>ITC 796*</u> | Independent Study: Information Technology and Cybersecurity | 3 hrs |
| <u>ITC 797*</u> | Independent Study - Information Technology & Cybersecurity | 3 hrs |

*Requires permission of the Department Head

GPA requirement

Attain a grade point average of at least 3.00 on all graduate work utilized in the certificate program that includes Missouri State University and transfer courses.



Missouri State

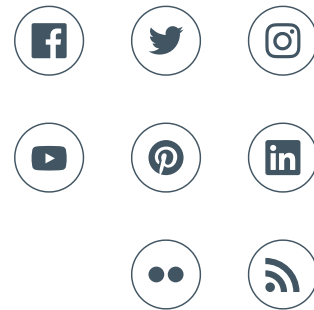
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Department of Management

Programs

 Includes accelerated master's option

 Program can be completed online

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[Health Administration](#) (MHA) 

Certificates

[Entrepreneurship](#) (Certificate)

[Leadership](#) (Certificate)

[Health Administration](#) (Certificate)

[Management](#) (Certificate)

[International Business](#) (Certificate)

Accreditation

- AACSB International – The Association to Advance Collegiate Schools of Business – all programs

Contact

Interim Department head

Jason DeBode

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Management Graduate Faculty

Professors

Dana Haggard

Elizabeth J. Rozell

Wesley A. Scroggins

Associate professors

Jason DeBode

Vinay K. Garg

Michael Merrigan

Assistant professors

Katherine Adler

Daniel Goering

Melody LaPreze

Kanu Priya

Feibo Shao

Instructor

Andrew Albritton

Adjunct faculty

Joe Schmitz

Adjunct instructor

Brad Bodenhausen

Emeritus faculty

Yohannan T. Abraham

Mary K. Coulter

D. Keith Denton

J. Kenneth Horn

Thomas H. Inman

Robert O. Lunn

Arnola C. Ownby

Glenn Pace

Peter Richardson

Steven L. Thomas


Robert L. Trewatha

Lynn E. Wasson


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Missouri State

Graduate College

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Management Courses

Entrepreneurship (ENT) courses

ENT 643 New Venture Management

This course provides insight into the creation and development of an entrepreneurial venture. Students will gain an understanding of where operating 'levers' for the business are located, the going-to-market plan, and the impact of business dynamics/the marketplace on the entity's economics and organization. The course will explore evolving responses to change while maintaining operating control. The analysis and exercises will form the basis for a cogent business plan. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with ENT 543. Cannot receive credit for both ENT 643 and ENT 543.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ENT 671 Practicum in Small Business Operations

Students solve real problems within the small business environment. Students gain first-hand experience in assessing and improving the operations of existing entrepreneurial firms. Cases may be developed in-class and/or referred through the Small Business Development Center. May be taught concurrently with ENT 561. Cannot receive credit for both ENT 561 and ENT 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

Management (MGT) courses

MGT 600 Administrative, Organizational and Operations Concepts for Managers

Prerequisite: permission of a director of a College of Business graduate program.

Comprehensive study of the fundamentals of the management function, organizational behavior and design, and production and operations management. Designed for graduate students who have not had undergraduate courses in management or organizational behavior and operations management. This course will not be counted in the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MGT 646 Direct Compensation System Management

Development and management of job-based and individual-based pay systems using job evaluation, skill/competency analysis and certification, wage surveys, and related techniques. The development of performance appraisal systems and the creation of individual-based, team-based, and aggregate performance-based pay systems are studied with emphasis on the strategic aspects of pay, internal consistency, external competitiveness, and legal compliance. May be taught concurrently with MGT 546. Cannot receive credit for both MGT 546 and MGT 646.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MGT 680 History of Management Thought

Background and interrelationship of classical, behavioral science, systems and quantitative management schools of thought; works of major contributors to contemporary management concepts, practices and theory. May be taught concurrently with MGT 560. Cannot receive credit for both MGT 560 and MGT 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 697 Research Issues and Problems: Management

Prerequisite: permission of department head.

Research issues and projects growing from particular needs which may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be taught concurrently with MGT 596. Cannot receive credit for both MGT 596 and MGT 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

MGT 701 Health Services Organization

Introduction to the health services delivery system. Analysis of the organizing, financing, and distribution of health services. Alternate delivery systems such as hospitals, acute care facilities, long-term facilities, prepaid practices, fee-for-services group practices and others are examined. Forces shaping present and future health care are evaluated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MGT 702 Managing Healthcare Organizations

A broad overview of techniques and practices applied to managing healthcare provider organizations at levels including governing board; professional staff; executive offices; and operational systems that deliver acute care, rehabilitation, diagnosis, therapy, ambulatory care, clinical information, clinical support, patient access, facilities and nutrition services. Organizational settings will include hospitals; physician practices; integrated health systems; rehabilitation and sub-acute facilities; behavioral medicine; long-term care; hospice; and home health. Course format will include a series of guest presentations from actively practicing, senior healthcare executives, along with visits to healthcare organizations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MGT 703 Health Law and Ethics

This course will provide students with in-depth knowledge and understanding of legal and ethical issues facing healthcare managers. Statutory and common law legal doctrines applicable to hospitals, physicians, health systems and organizations, including current court decisions, Office of Inspector General and Internal Revenue Service determinations will be included. The course will touch on many legal and ethical subjects, including professional and institutional liability, provider-patient relationships, employment laws and sexual harassment, compliance-related areas that include Stark regulations, end-of-life care, physician-assisted suicide, and individual patient rights.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MGT 704 Human Resources in Healthcare Organizations

Integration of human resources management into the strategic and operational decision-making processes of a contemporary healthcare organization. Functional topics include HR strategic planning, HR legal environment, direct and indirect compensation strategies, recruitment/selection/retention, workforce planning, job design and analysis, performance management, productivity analysis, workforce development/training, employee/labor and stakeholder relations and safety/health considerations. Particular consideration for HR concepts related to clinical professionals and physicians.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MGT 705 Strategic Management of Healthcare Organizations

Prerequisite: 18 graduate hours in health administration, including FIN 788.

Integration of the functional areas of healthcare organizations via the strategic planning process. Emphasis is placed upon the identification of major strategic processes for healthcare organizations as well as policy issues related to the current and anticipated future healthcare environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MGT 706 Organizational Communication

Intensive study of communication behavior within various types of business organizations; provides student opportunities to develop communication skills further and to apply one's capacity to use effective organizational communication concepts through written and oral presentations. Emphasis upon the study of oral communication within business.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MGT 711 Measurement and Management of Quality in Health Care

Design, implementation, and management of health quality systems. Major emphasis placed on controlling health care costs through a reduction of waste and defects. Exposure to a variety of quality tools and quantitative techniques aimed at measuring performance and fostering continuous improvement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 747 International Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.

A study of management theory and practices as related to international organizations that are multinational in nature. Emphasis is placed on analyzing, understanding, and integrating managerial concepts as they apply to cross-cultural settings. Students are required to complete a research project. Cannot receive credit for both MGT 447 and MGT 747.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 760 Selected Topics in Management

Variable topics course in Management. Areas studied will be announced each semester in the class schedule. Course requirements include extensive readings, a paper, and, when appropriate, field trips.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 761 Operations Management: Comparative Theory and Practice

Advanced study of the operations function in organizations. Emphasis is placed on operations management, planning and controlling techniques as they apply to all types of domestic and international organizations. Cost output-profit decisional techniques and productivity issues are studied as they relate to managerial goals, environmental conditions, and economic developments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 762 Problems in Human Resources Management and Industrial Relations

Prerequisite: MGT 600 or equivalent.

Intensive examination of the institutional, legal, and policy considerations of the parties involved in human resources management and labor relations with an emphasis on current issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 764 Organizational Behavior and Leadership

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MGT 600 or equivalent.

Study of individual and group behavior viewed from a managerial perspective within the organizational setting. Attention is focused on applications by managers of theory and research about the interaction between human beings and the formal organization, with emphasis on individual differences, interpersonal relations, and small group dynamics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MGT 765 Organization Structure and Design

An intensive macro approach to the study of the organization with emphasis on the interrelationships of organizational dimensions as they interact to effect organization design. Topics covered include environment, technology, work flows, structure, size, power, objectives, managerial philosophies, and effectiveness.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 767 Organization Strategy and Policy

Prerequisite: admission to the MBA program or permission from the MBA Program Director; 18 graduate hours in business administration and economics at the 700 level, including FIN 780 and MKT 772.

Integration of the functional areas of business via the strategic planning process. Emphasis is placed upon the formulation, implementation, and control of an organization's mission, objectives, strategies, and policies as determined by external and internal analyses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MGT 770 Leadership Development

Prerequisite: MGT 764.

Comprehensive review of the writings and theories of leadership. Focuses on building skills to inspire and organize people to achieve tangible results. Comprehensive self-assessments, experiential exercises, action learning projects, and individually tailored skill-improvement plans.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 790 Seminar in Management

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and analysis of theory, research and practice in management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MGT 794 Internship: Management

Prerequisite: permission of the director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MGT 796 Independent Study: Business Administration

Prerequisite: permission of advisor.

In consultation with the advisor, student selects for intensive study a specific area of concern related to the student's program with emphasis on research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall |

MGT 799 Thesis

Prerequisite: permission.


Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |





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Health Administration



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Graduate programs

Master of Health Administration

Michael Merrigan, Graduate Director

Glass Hall, room 403; Phone 417-836-3092

MichaelMerrigan@missouristate.edu (mailto:MichaelMerrigan@missouristate.edu)

Program description

The Master of Health Administration (MHA) degree is a College of Business degree that includes several interdisciplinary courses contributed by other colleges on campus. The program is designed for students holding at least an undergraduate degree who wish to further their careers in the management of health organizations including integrated systems, hospitals, group practices, long-term care facilities, clinics, managed care organizations, and other types of health organizations. The program can be completed in as little as two years. Students with little or no undergraduate work in business are welcome, and will normally require additional time for completion.

The MHA program is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

Admission requirements

1. The student must have received at least a bachelor's or master's degree from a regionally accredited college or university.
2. The student must have a GPA of at least 2.75 for the last 60 hours of academic work and submit a score on the Graduate Management Admissions Test (GMAT), the Graduate Record Examination (GRE), or equivalent standardized exam.
3. Students who do not meet the admission requirements, but who show indication of high promise will be considered for probationary admission.
4. All other University and Graduate College requirements for admission to a degree program will also apply. Qualified applicants may enter the program at the beginning of any semester.

Applicants from foreign countries whose native language is not English are required to submit scores on the TOEFL. Normally, TOEFL scores of 79 on the internet-based test.

Degree requirements

The program requires a minimum **36 hours** of graduate credit plus any necessary prerequisite courses.

Core requirements - 30 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| ACC 688 | Healthcare Accounting Concepts | 3 hrs |
| FIN 788 | Healthcare Financial Management | 3 hrs |
| MGT 701 | Health Services Organization | 3 hrs |
| MGT 702 | Managing Healthcare Organizations* | 3 hrs |
| MGT 703 | Health Law and Ethics* | 3 hrs |
| MGT 704 | Human Resources in Healthcare Organizations* | 3 hrs |
| MGT 705 | Strategic Management of Healthcare Organizations* | 3 hrs |
| MGT 711 | Measurement and Management of Quality in Healthcare* | 3 hrs |
| MGT 764 | Organizational Behavior and Leadership | 3 hrs |
| MGT 770 | Leadership Development | 3 hrs |
| | Core Total: | 30 hrs |

*Course prerequisites may be required.

Electives - 6 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ITC 761 | Management Information Systemes* | 3 hrs |
| ECO 604 | Health Care Economics* | 3 hrs |
| HLH 750 | Programming Approaches in Wellness/Health Promotion | 3 hrs |
| MGT 790 | Seminar in Management | 3 hrs |
| PBH 720 | Epidemiology | 3 hrs |
| PBH 740 | Health Behaviors | 3 hrs |
| PBH 756 | Introduction to Public Health | 3 hrs |
| PBH 783 | International Health and Infectious Disease | 3 hrs |
| PLS 754 | Seminar in Health Policy | 3 hrs |
| | Elective Total: | 6 hrs |

*Course prerequisites may be required.

Research requirement

Significant supervised quantitative and qualitative research projects in MGT 701, MGT 703, MGT 711, PLS 754, PBH 720 and culminating in the capstone MGT 705 course. Satisfies the research requirement of the Graduate College.

Executive MHA option (EMHA)

The Executive MHA Option is only available on a contractual arrangement with a specific healthcare organization, who makes it available to a select group of students, typically a cohort, who are employed or affiliated with the healthcare organization and have significant professional experience. The MHA Program will be presented in a format referred to as the Executive MHA Option or the EMHA. From a curricular viewpoint, the EMHA is structured similarly and requires 36 graduate course credits, however, the sequencing presentation format and mix of core and elective courses will be designed in such a way as to maximize benefits to working professionals such as physicians, senior clinicians and healthcare executives.

GMAT/GRE scores are not required for admission to the EMHA, however, the applicant will need to provide documentation verifying at least 3 years of professional experience.

For EMHA students, prerequisite requirements for the core program courses will be satisfied through appropriate prior course work, relevant professional experience or by an individualized study program developed and supervised by the EMHA Program Director.

The credit hour costs for classes taken by students enrolled in the EMHA program are assessed at a higher rate than the traditional MHA offerings due to additional expenditures associated with the program.

Admission requirements

In addition to the contractual requirements above, each student will also need to meet the following admission requirements:

1. Completion of a regionally accredited undergraduate degree.
2. Completion of 3 or more years of professional experience.

Accelerated MHA option

Undergraduate majors in the College of Business may apply for admission to the Master of Health Administration (MHA) program during the second semester of their junior year. If accepted, up to 6 hours of 700- or 700-level College of Business classes taken in the senior year may be counted toward both the undergraduate and graduate degrees. As an MHA graduation requirement, students exercising the accelerated MHA option will be required to have had one year of professional experience or a 3 hour internship.

Before enrolling in a course that will apply to both the undergraduate program and the master's program an undergraduate student must:

1. Be accepted into the accelerated program.
2. Receive prior approval from the graduate program director, department head, and Dean of the Graduate College. This is done by using a Mixed Credit Form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission requirements

1. Completion of 80 or more hours at time of application.
2. An overall GPA of 3.00 or better.
3. A score of 450 or better on the Graduate Management Admission Test (GMAT).

Academic standing

A student who fails to attain a 3.00 GPA after completing the approved program may enroll for additional course work not to exceed 6 hours to raise the GPA. The course work will be approved by the Graduate Program Director and the Dean of the College of Business.

The maximum class load for a full-time student is normally 12 hours per semester. An overload is permitted only after students have demonstrated their ability to achieve an outstanding graduate record at this university. Students employed on a full-time job generally should not enroll for more than 6 semester hours. All other University and Graduate College requirements governing grading and attendance will apply.

To enroll in graduate courses in the College of Business, a student must be admitted to a graduate program in the College of Business or have special permission. Students not meeting one of these conditions can be dropped from the course(s) at any time during the session involved.

MPH-MHA Dual Degree

Students can obtain dual degrees in health administration and public health at Missouri State University. Students who successfully complete the program will receive both a Master of Health Administration (MHA) degree and a Master of Public Health (MPH) degree. A total of 12 hours of coursework can be applied to both programs, reducing the time required to obtain both degrees separately.

Public health and health administration are increasingly important areas in health care and medicine. Information, resources, technology, research and new challenges are expanding tremendously in the fields of public health and health administration and it is important to have a trained workforce that can bridge these two areas of health care and medicine. The successful completion of dual degrees in public health and health care administration provide students with a unique set of knowledge, skills and abilities that enable graduates to communicate relevant health information; account for health care priorities, policy and delivery; manage crises; and address major health concerns at the level of a population. All these activities are information intensive to support professional decision-making, practice and action.

The dual MHA/MPH degree program provides graduates with interdisciplinary knowledge, skills, and abilities to address challenges on a local and global scale. This dual degree program offers a course of study that emphasizes effective management and responsible oversight within the health care delivery system and focus on identifying, resolving, and preventing health problems that affect communities and populations. Beyond these foundations, both programs challenge students to lead their organizations toward satisfying the future demands and needs of their communities.

There is overlap between the MHA and MPH programs, which enables students to complete both degrees in a streamlined process. The MHA has a core requirement of 35 credit hours while the MPH has a 42 hour requirements. Currently there are three courses (9 credit hours) jointly shared by the two programs.


- [PBH 720](#), Epidemiology
- [MGT 701](#), Health Services Organization
- [PLS 754](#), Seminar in Health Policy

In addition, there is a joint collaborative relationship between the two programs in terms of the Capstone Project in Public Health ([PBH 799](https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH799) (https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH799)- 3 credit hours) with the Program Director for the MHA program serving on the student's Capstone Committee. In keeping with the traditional approach to dual degrees, there is a reduction in overall hour requirements for both degrees. While separately the two degrees require a total of 78 credit hours, under the joint degree program students could earn the two degrees in 66 credit hours.


Applicants to the joint MHA/MPH must be admitted into each program separately and must adhere to the admission requirements and prerequisite courses stipulated by each program. The student's decision to complete the joint MHA/MPH degree must be declared to the MHA and MPH Program Directors before the end of the second semester of the first year in either program.




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Entrepreneurship



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Certificate in Entrepreneurship

Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 105; Phone: 417-836-5616

Email: COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The Entrepreneurship Graduate Certificate program provides a 12 hours graduate-level experience in the entrepreneurship field. The program involves in depth study of new venture management, sources of capital, and growth management. Students will gain first-hand experience in assessing operations of existing entrepreneurship firms. Contact the MBA Director or Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MGT 790 | Seminar in Management | 3 hrs |
| ENT 643 | New Venture Management | 3 hrs |
| ENT 671 | Practicum in Small Business Operations | 3 hrs |

Select one of the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MGT 760 | Selected Topics in Management | 3 hrs |
| MGT 770 | Leadership Development | 3 hrs |
| MGT 796 | Independent Study: Business Administration | 3 hrs |
| MKT 790 | Seminar in Marketing | 3 hrs |
| FIN 790 | Seminar in Finance | 3 hrs |
| ITC 790 | Seminar in Computer Information Systems | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.



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Health Administration



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Certificate in Health Administration

Michael Merrigan, Graduate Director

Glass Hall, room 403; Phone 417-836-3092

MichaelMerrigan@missouristate.edu (mailto:MichaelMerrigan@missouristate.edu)

Program description

The Certificate in Health Administration (CHA) is a postbaccalaureate program designed for healthcare professionals who wish to enhance and update their knowledge in healthcare administration in order to increase their skill set to better position themselves for advancement. It will also assist students with no healthcare experience seeking entry-level management positions in healthcare organizations. The Certificate in Health Administration will be taught in a graduate learning environment providing new knowledge to allow the student to better understand the organization and structure of healthcare services along one of the three different tracks; Leadership, Management or Quality and Population Health.

Leadership

Leadership development in healthcare organizations is fundamental to organizational survival. Those leading today's healthcare organizations must possess a high level of leadership skills and strategic knowledge. The

Leadership track will offer an overview of healthcare organization/systems, leadership competencies, health policy and strategic management in order to provide students with the capabilities to effectively lead various types of healthcare organizations.

Management

Healthcare management skills are critical to the effective operation of healthcare organizations. This track is designed to assist students in becoming better supervisors and managers by increasing their understanding of healthcare organizations/systems, key human resource issues, healthcare organization management and organizational behaviors; all fundamental to improving the management decision-making process.

Quality and Population Health

Future value in healthcare will be determined by increasing the quality of healthcare provided to patients and by the ability to maintain or improve the health of a given population in order to avoid costly illnesses and unnecessary care. Students seeking to enhance their knowledge of healthcare quality and population health management will be exposed to principles related to the management of healthcare quality and the origin, distribution and control of disease as well as theories of health behavior relevant to individual and community health promotion program planning.

Admission

To be considered for the program, a student must apply and be admitted into the Graduate College. The CHA requires a total of 12 hours of graduate credits (in addition to possible individual course prerequisites). The courses are the same as those offered to Master of Health Administration (MHA) students. The program does not require a comprehensive examination or a capstone research requirement.

Admission to the MHA program from CHA

Admission to and successful completion of the CHA does not guarantee admission to the MHA program. Students who are enrolled in or have completed the CHA must apply separately for admission to the MHA and comply with the MHA admission standards and the requirements of the Graduate College.

The CHA is designed for persons in management positions who need a limited number of selected courses in contemporary methods, skills, and models of management specific to the healthcare environment. On occasion, however, a person may pursue the CHA and then decide that it would be desirable to pursue the MHA degree. Credits earned in the Certificate program can later be applied to the MHA degree subject to application and acceptance into the program. All requirements for the MHA degree, including the credits earned in the Certificate program, must be completed within an eight-year period.

Requests for information

For information about the Graduate Programs in Health Administration, please contact: Dr. Michael Merrigan, MHA Program Coordinator, Department of Management, Missouri State University, 901 S. National Ave, Springfield, MO, 65897. MichaelMerrigan@MissouriState.edu (mailto:MichaelMerrigan@missouristate.edu). Students may begin in the Fall or Spring semester.

Completion requirements

Students must have an overall grade point average (GPA) of 3.00 for completion of the certificate program.

Required courses for designated Track - 12 hours total

Leadership track:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MGT 701 | Health Services Organization | 3 hrs |
| MGT 703 | Health Law and Ethics | 3 hrs |
| MGT 705 | Strategic Management of Healthcare Organizations | 3 hrs |
| MGT 770 | Leadership Development | 3 hrs |

Management track

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| MGT 701 | Health Services Organization | 3 hrs |
| MGT 702 | Managing Healthcare Organizations | 3 hrs |
| MGT 704 | Human Resources in Healthcare Organizations | 3 hrs |
| ACC 688 | Healthcare Accounting Concepts | 3 hrs |

Healthcare quality and population health track

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MGT 701 | Health Services Organization | 3 hrs |
| MGT 711 | Measurement and Management of Quality in Health Care | 3 hrs |
| PBH 720 | Epidemiology | 3 hrs |
| PBH 740 | Health Behaviors | 3 hrs |



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International Business



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Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 105; Phone: 417-836-5616

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Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The International Business Graduate Certificate program provides a 12 hours graduate-level experience in the international business field. The program involves in depth study of international business, including issues related to management, marketing and finance. Contact the MBA Director or Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--------------------------|--------------|
| MGT 747 | International Management | 3 hrs |

Select three of the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MKT 764 | International Logistics and Global Supply Chain Management | 3 hrs |
| FIN 686 | International Financial Statement Analysis | 3 hrs |
| MGT 790 | Seminar in Management | 3 hrs |
| MGT 796 | Independent Study | 3 hrs |
| MKT 774 | International Marketing | 3 hrs |
| FIN 682 | International Financial Management | 3 hrs |

GPA requirement

Students must have a B or better grade in each course.



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Leadership



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Program description

The Leadership Graduate Certificate program provides a 12 hours graduate-level experience in the leadership area. The program involves in depth study of leadership skills, theory, research, and self-assessment. Contact the MBA Director or Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| MGT 764 | Organizational Behavior and Leadership | 3 hrs |
| MGT 770 | Leadership Development | 3 hrs |
| MGT 767 | Organization Strategy and Policy | 3 hrs |

Select one of the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| MGT 796 | Independent Study | 3 hrs |
| LAW 632 | Legal Environment of Business Organizations for Professionals | 3 hrs |
| LAW 650 | Negotiation, Mediation, and Arbitration in Business | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.





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Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The Management Graduate Certificate program provides a 12 hours graduate-level experience in the management field. The program involves in depth study of current management research, international, human resources, and operations management issues. Contact the MBA Director or Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the University as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|--------------|
| <u>MGT 747</u> | International Management | 3 hrs |
| <u>MGT 764</u> | Organizational Behavior and Leadership | 3 hrs |
| <u>MGT 767</u> | Organization Strategy and Policy | 3 hrs |

Select one of the following:


| Course Code | Course Title | Credit Hours |
|--------------------------------|---|--------------|
| <u>MGT 646</u> | Direct Compensation Systems Management | 3 hrs |
| <u>MGT 701</u> | Health Services Organization | 3 hrs |
| <u>MGT 762</u> | Problems in Human Resources Management & Industrial Relations | 3 hrs |
| <u>MGT 770</u> | Leadership Development | 3 hrs |
| <u>MGT 790</u> | Seminar in Management | 3 hrs |
| <u>MGT 796</u> | Independent Study | 3 hrs |
| <u>ENT 643</u> | New Venture Management | 3 hrs |
| <u>ENT 671</u> | Practicum in Small Business Operations | 3 hrs |

GPA requirement


Students must have a B or better grade in each course.




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Contact

Department head

Ismet Anitsal

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Website

[missouristate.edu/mkt](https://www.missouristate.edu/mkt)
(https://www.missouristate.edu/MKT/)

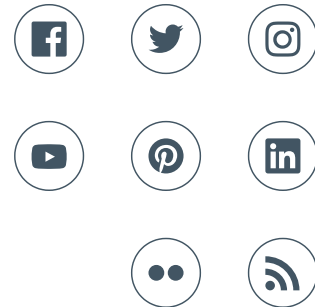


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Charles Hermans

Allen Schaefer

Christina Simmers

Associate professors

Ronald Clark

G. Alex Hamwi

Assistant professors

Joshua Coleman

Wesley Friske

Linda Li

Jenifer Skiba

Instructors

Patrick Sells

Sandra Smart-Winegar

Per course faculty

Chrystal Irons

Emeritus faculty

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Melissa Burnett

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R. Steven Parker

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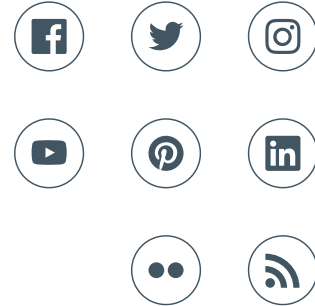
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Missouri State

Graduate College

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Marketing Courses

Marketing (MKT) courses

MKT 600 Marketing Concepts for Managers

Prerequisite: permission of a director of a College of Business Graduate Program.

Comprehensive study of the fundamentals of marketing. Designed for graduate students who have not had an undergraduate course in marketing. Will not be counted in the hours required for a College of Business graduate degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 610 E-Marketing

Prerequisite: MKT 600 or MKT 772; and BUS 610.

An examination of the concepts, strategies, and applications involved in Electronic Marketing, including use of the web, electronic mail, and other direct response advertising media for conducting e-Business. May be taught concurrently with MKT 510. Cannot receive credit for both MKT 510 and MKT 610.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 615 Contemporary Issues in Advertising/Promotion

Prerequisite: MKT 350 or MKT 600 or equivalent.

This course will develop problem-solving and strategic planning skills as they relate to contemporary issues in advertising. Specific topics covered will vary depending on the current issues occurring during the course. Case studies and contemporary readings will replace the traditional marketing textbook. In-class discussion, participation, and application will complement traditional lectures. May be taught concurrently with MKT 515. Cannot receive credit for both MKT 615 and MKT 515.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 670 Seminar in Marketing Research

Prerequisite: 15 hours of graduate business administration courses including MKT 772 and permission from the MBA Program Director.

Designed to enable students through first-hand experience to understand the various parts of research papers, methods of gathering data, appropriate tests of information, and interpretation of findings, including implications for further study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MKT 675 Business Process Management

An in-depth analysis of business processes from an operations perspective. Study of specific practices and tools to design, improve, and support these processes in a variety of organizational settings. Use of professional BPM software is emphasized. May be taught concurrently with MKT 565. Cannot receive credit for both MKT 675 and MKT 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MKT 730 Logistics and Transportation

Prerequisite: MKT 600 or equivalent.

This course introduces students to the concepts and terminology associated with the planning and management of logistics activities. The course investigates introductory decisions in inventory management, warehousing, transportation, customer service, performance measurement, and others.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 740 Supply Chain Models and Systems

Prerequisite: MKT 730.

This course addresses concepts, techniques and systems used in supply chain management and decision support. Specific areas include ERP systems, manufacturing planning and management techniques and systems, inventory management, warehouse layout, distribution management, routing and scheduling, process analysis, network analysis and the application of simulation and optimization techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MKT 750 Supply Chain Management Seminar

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

This course emphasizes the adoption of a supply chain orientation toward business and the need for more effective inter-firm relationships and operational processes. The course incorporates analyses of comprehensive cases involving strategic and tactical decisions throughout product and service supply chains in a domestic and global environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MKT 760 Logistics and Supply Chain Management

Prerequisite: MKT 740 or MKT 750.

This course serves as a capstone experience involving actual company projects, a comprehensive supply chain simulation exercise, and the identification and discussion of current events in logistics and supply chain management. Class sessions are augmented by discussions of current events involving logistics and supply chain management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MKT 764 International Logistics and Global Supply Chain Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.

Theory and practice of logistics activities in international business with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, customer service, and global supply chain management. Special emphasis is placed on current events and their effect on the marketing and logistics activities of organizations. Cannot receive credit for both MKT 764 and MKT 464.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MKT 772 Marketing Management

Prerequisite: admission to the MBA program or permission from the MBA Program Director; and MKT 600 or equivalent.

Theoretical bases of marketing concepts, principles and strategies; development, acceptance and expected future direction of emerging marketing practices.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 774 International Marketing

Prerequisite: admission to the MBA program or permission from the MBA Program Director; MKT 600 or equivalent.

Advanced management, theory, and analysis of marketing functions in a multinational context where the parameters differ from those of domestic marketing. Students are required to complete a research project in the course area. Cannot receive credit for both MKT 774 and MKT 474.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 776 Futuristics: Business and Society

Prerequisite: MKT 600 or equivalent.

This course compares and analyzes the diverging views of an "economy of abundance" versus that of an "economy of scarcity." Major emphasis is directed toward predicting further changes in and the impact on the

nature of firm, consumer life-styles, and society in general. Students are required to complete a research project in the course area.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MKT 790 Seminar in Marketing

Prerequisite: 15 hours of graduate business administration courses and permission from the MBA Program Director.

Critical evaluation and analysis of theory, research, and practice in marketing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MKT 794 Internship: Marketing

Prerequisite: permission of director of the appropriate graduate program and department head.

In consultation with the coordinating professor, the student is engaged in first-hand experience with a business, organization, or other professional entity. A portfolio of assigned work shall be collected, examined and evaluated during the semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MKT 796 Independent Study: Marketing

Prerequisite: MKT 670 and permission of department head.

In consultation with coordinating professor, student selects a specific area of emphasis (related to the degree program) for a significant, in-depth study, with particular emphasis on research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MKT 799 Thesis

Prerequisite: permission of department head.

Independent research and study connected with preparation of thesis.




| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |



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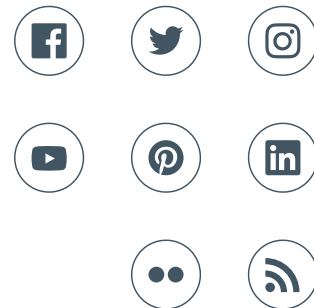
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Certificate in Marketing

Elizabeth Rozell, Graduate Program Director

Glass Hall, Room 105; Phone: 417-836-5616

Email: COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Website: mba.missouristate.edu (https://mba.missouristate.edu/)

Elizabeth Reger, Graduate Program Coordinator

Glass Hall, Room 105; Phone: 417-836-5616

COBGraduatePrograms@MissouriState.edu (mailto:COBGraduatePrograms@MissouriState.edu)

Program description

The Marketing Graduate Certificate program provides a 12 hours graduate-level experience in the marketing field. The program involves in depth study of marketing issues, such as advertising, international issues, marketing research and special topics. Contact the MBA Director or Program Coordinator for additional information.

Admission

Candidates for the certificate program must be admitted to the university as a graduate student. The candidate should have a bachelor's degree and meet minimum admission criteria for the Master of Business Administration program. All course work must be approved by the MBA Program Director.

Required courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| MKT 615 | Contemporary Issues in Advertising/Promotions | 3 hrs |
| MKT 774 | International Marketing | 3 hrs |
| MKT 790 | Seminar in Marketing | 3 hrs |
| MKT 670 | Seminar in Marketing Research | 3 hrs |


GPA requirement

Students must have a B or better grade in each course.





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Missouri State


Graduate College

Graduate Catalog

Department of Merchandising and Fashion Design

Programs

 Includes accelerated master's option

 Program can be completed online

Graduate

No graduate or certificate program is offered in the Merchandising and Fashion Design Department.

Mission statement

The Department of Merchandising and Fashion Design provides education, scholarship, and service in the areas of human services and professional career education. Its vision centers on the study of clothing as it relates to the physical, social, psychological, economic, aesthetic, and cultural perspectives of persons in the global community.

The following course(s) may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Merchandising and Fashion Design](#) (MFD)

Contact

Interim department head

Elizabeth Rozell

Office

Park Central Office Building,
Suite 300

Phone

417-836-5136

Fax

417-836-4341

Email

mfd@missouristate.edu
(<mailto:mfd@missouristate.edu>)

Website





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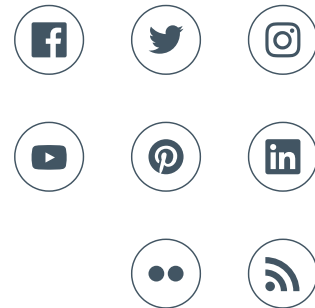
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Missouri State

Graduate College

Graduate Catalog

Merchandising and Fashion Design Courses

Fashion Merchandising and Design (MFD) courses

MFD 682 Graduate Seminar in Fashion Merchandising and Design

Prerequisite: 12 hours of graduate credit.


Selected topics in clothing and textiles that involve the areas of apparel manufacturing, fashion merchandising, and management trends are systematically explored through critical analysis of literature and through an individual research project. May be repeated for credit. A total of 4 hours may be applied to a degree program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |



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Department of Technology and Construction Management


Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Professional Studies: Project Management Option](#)

(MPS) 

[Project Management \(MS\)](#)  

Certificates

[Project Management \(Certificate\)](#) 

Accreditation

- Project Management Institute-Global Accreditation Center for Project Management Education Programs – Project Management

Contact

Department head

(MS)

Program Description

The Master of Science in Project Management degree provides relevant and timely graduate education to project management professionals from all disciplines. The program is intended for students who hold a bachelor's degree in Technology, Business Administration, Liberal Arts, Applied and Natural Sciences, or Engineering and who are in, or aspiring to, project management related positions. The Project Management program equips individuals with the various skills, soft and hard, to manage projects and keep them within budget and on schedule, while meeting specifications and achieving customer satisfaction. Built upon the widely recognized Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK®), the program uses a combination of on-campus and distance learning resources to provide students with the knowledge and expertise to meet the intense global competition demands that new projects and business development require. Students may choose to take the program 100% online.

R. Neal Callahan

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Graduate College

Graduate Catalog

Technology and Construction Management Graduate Faculty

Professors

Nebil Buyurgan

R. Neal Callahan

Per course faculty

E. Deanice Jones

Lane Parker

Associate professors

Richard J. Gebken, II

Kevin Hubbard

Martin P. Jones




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Missouri State

Graduate College

Graduate Catalog

Technology and Construction Management Courses

Technology and Construction Management (TCM) courses

TCM 602 Healthcare Facility Management

Prerequisite: permission.

Examines facility management attributes related to maintenance and operations; regulatory compliance; planning, design and construction; and administration unique to healthcare. May be taught concurrently with TCM 502. Cannot receive credit for both TCM 602 and TCM 502.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

TCM 611 Product Design and Development

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

An overview of the product development process from concept generation to design in an entrepreneurial environment. The perspectives of marketing, design and manufacturing are blended into a single approach to product development. Provides students with an appreciation for the realities of industrial practice and for the complex and essential roles played by the various members of product development teams. May be taught concurrently with TCM 511. Cannot receive credit for both TCM 611 and TCM 511.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

TCM 645 Project Control Systems

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

Advanced application of microcomputers with an emphasis on their use in project control. Topics include project control planning and objectives, change control processes, project documentation and communication, project progress/variance reports, payment requisitions, project closure activities, and project lessons learned systems. May be taught concurrently with TCM 545. Cannot receive credit for both TCM 645 and TCM 545.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

TCM 651 Cost Analysis for Project Management

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

The use of cost analysis as a decision-making tool in the context of project management. Topics include the time value of money, analysis of alternatives, decision-making under risk, estimating, cost accounting, and capital budgeting. May be taught concurrently with TCM 551. Cannot receive credit for both TCM 651 and TCM 551.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

TCM 655 Statistical Quality Control and Design of Experiments

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce costs, and optimize processes. Minimization of variability and basic approaches to statistically designed experiments are emphasized. May be taught concurrently with TCM 555. Cannot receive credit for both TCM 655 and TCM 555.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

TCM 696 Readings in Technology Management

Prerequisite: permission of department head.

Directed readings for individuals requiring additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 6 hours. May be taught concurrently with TCM 596. Cannot receive credit for both TCM 696 and TCM 596.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

TCM 697 Topics in Technology Management

A variable content course with topics that depend on faculty and student interests. Consult the semester class schedule for the current offering under this number. May be repeated up to a total of 9 hours when content varies. May be taught concurrently with TCM 597. Cannot receive credit for both TCM 697 and TCM 597.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

TCM 701 Project Management

Prerequisite: acceptance in the Project Management MS or graduate certificate program; or permission of the Project Management Program Director.

This course provides a comprehensive overview of project management. The culture, principles, and basic techniques of project management are addressed using the project lifecycle as the primary organizational guideline. The project management functions of planning, organizing, motivating and controlling with an emphasis on the application to business and technology are explained. Basic tools of project management such as work breakdown structure, scheduling, contracting, earned value analysis, and risk management are explained and demonstrated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

TCM 703 Project Risk Analysis

Prerequisite: TCM 701 and acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

In-depth analysis of the types of risks that threaten projects at each stage of development. Strategies used to recognize risks, assess probabilities and potential impacts, steps to respond to project risks. Tools used to

analyze and plan for managing project risk.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

TCM 710 Project Leadership

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program, or permission of the Project Management MS program director.

A practical and relevant course that focuses on the people skills needed to manage a project successfully. Prepares students to handle project problems related to communication, motivation, performance, behavior, and crisis. Students analyze real life scenarios and develop solutions that are supported by the latest research to develop skills necessary for strong, effective project leadership.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

TCM 720 Project Management Training

Prerequisite: acceptance in the Project Management MS or Graduate Certificate program; or permission of the Project Management MS program director.

This course provides a comprehensive overview of advanced project management concepts and provides preparation for PMP or CAPM certification. The course focuses on project management functions and process groups.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

TCM 726 Seminar in Project Management

Prerequisite: TCM 701; total of 21 graduate hours in the Project Management MS program of study; and permission of Project Management Program Director.

Presentation and discussion of professional or technical problems in the organization and management of projects. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

TCM 740 Management of Innovation and Technology Seminar

Prerequisite: acceptance in the Project Management MS program or graduate certificate program; or permission of the Project Management Program Director.

Focuses on the strategic management of technology and innovation in organizations. Builds primarily on broad models of technological evolution and organizational change. Students analyze crucial organizational innovation and technology issues and identify concrete managerial actions to address innovation and technology problems and opportunities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

TCM 750 Advanced Project Management

Prerequisite: TCM 701; and a total of 12 graduate hours in the Project Management MS program of study.

Builds upon the foundation of prerequisite courses by discussing advanced problems encountered in the discipline of project management in a seminar format. Practical examination of projects using the criteria of project excellence and project management maturity models. Students are expected to demonstrate the ability to apply the knowledge and experience gained in their program of study to the critical evaluation and analysis of the theory, research and practice of project management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

TCM 760 Special Investigations

Prerequisite: permission of Project Management Program director.

The student in consultation with the advisor selects for in-depth study an area determined by the interest and background of the students. Based on demand and timeliness of the subject a cluster study group may engage in a joint investigation. May be repeated to a total of 5 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

TCM 792 Graduate Internship

Prerequisite: permission of Project Management Program Director.

Educational experience in cooperation with student's full-time employer. Written, oral, and classroom assignments related to workplace improvement. May be repeated, but no more than 6 hours may be counted as credit toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

TCM 798 Research

Prerequisite: permission of Project Management Program Director.

Supervised research in technology. May be repeated, but not more than 3 hours may be counted toward a masters degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

TCM 799 Thesis

Prerequisite: permission of Project Management Program Director.


Preparation of a thesis. May be repeated, but no more than 3 hours may be counted as credit toward a masters degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |



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Professional Studies: Project Management Option

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Graduate programs

Master of Professional Studies: Project Management Option

The Department of Technology and Construction Management participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the emphasis area requirements listed below. See [MPS Program](#) (</Catalog/professionalstudies.htm>) for more information.

Project Management Emphasis Area required courses:

| | | |
|--|--|--|
| | | |
|--|--|--|




| Course Code | Course Title | Credit Hours |
|----------------------------|--------------------------------------|--------------|
| TCM 701 | Project Management | 3 hrs |
| TCM 750 | Advanced Project Management | 3 hrs |
| Plus two of the following: | | |
| TCM 611 | Product Design and Development | 3 hrs |
| TCM 645 | Project Control Systems | 3 hrs |
| TCM 651 | Cost Analysis for Project Management | 3 hrs |
| TCM 710 | Project Leadership | 3 hrs |

Recommended sequence: TCM 701, 2 electives, TCM 750.



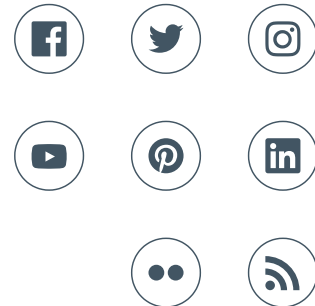
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Project Management



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Graduate programs

Master of Science in Project Management

Nebil Buyurgan, Program Director

Glass Hall, Room 200;

Phone 417-836-5121

pm@missouristate.edu

<http://build/missouristate.edu/pm/>

Program description

The Master of Science in Project Management is an interdisciplinary and applied program which provides STEM (Science, Technology, Engineering and Mathematics) education to project management professionals from all disciplines.

Built upon the widely recognized Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK®), the program uses a combination of on-campus and distance learning resources to provide individuals

with the knowledge and expertise to meet the intense global competition demands. The program may be completed 100% online.

The Master of Science in Project Management program is accredited by the Project Management Institute's Global Accreditation Center.

Admission requirements

To be considered for admission, candidates are required to submit the following documents:

1. Official transcripts.
2. GMAT or GRE scores*.
3. Statement of purpose
4. Two letters of recommendation.
5. Professional resume.

*Program applicant's must apply for a waiver if they believe they qualify for an exception. Multiple factors are considered in the review of a waiver request including undergraduate and graduate course work, GPA, program accreditation, previous work experience, current job responsibilities and professional certifications. All GMAT/GRE waivers are considered on a case-by-case basis, and an approved wavier requires does not guarantee admission to the program.

Degree requirements (30 hours)

The Master of Science in Project Management program requires completion of 30 hours.

a. Core Courses 21 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| TCM 701 | Project Management | 3 hrs |
| TCM 703 | Project Risk Analysis | 3 hrs |
| TCM 710 | Project Leadership | 3 hrs |
| TCM 645 | Project Control Systems | 3 hrs |
| TCM 651 | Cost Analysis for Project Management | 3 hrs |
| TCM 740 | Management of Innovation and Technology Seminar - - Fulfills the Research Requirement for the MS, Project Management | 3 hrs |
| TCM 750 | Advanced Project Management | 3 hrs |

b. Cognate Elective Courses: 9 hrs for Seminar Option.

At least one graduate level TCM course is required. Elective courses must be approved by the student's advisor prior to completion of the coursework.

c. Comprehensive Examination. A comprehensive examination must be passed with a minimum of 70 on a 100 scale before the degree is granted. Students must take this examination in their final semester.

Accelerated Master of Project Management option

Exceptional Missouri State University undergraduate students with an overall GPA of 3.00 or higher may apply for the accelerated masters in Project Management program in their junior year. If approved, up to 12 hours of 600-level or 700-level courses may be designated as "mixed credit" and counted toward both the undergraduate and graduate degree programs.

Admission Requirements for the Accelerated Master's


To be considered for admission, candidates are required to submit the following documents:

- Official transcripts
- A statement of purpose
- Two letters of recommendation
- Professional resume





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Graduate programs

Certificate in Project Management

Nebil Buyurgan, Program Director

Glass Hall, Room 202; Phone: 417-836-5292

[NebilBuyurgan@missouristate.edu](mailto:NebilBuyurgan@MissouriState.edu) (mailto:NebilBuyurgan@MissouriState.edu)

Program description

The Certificate in Project Management provides a 12-hour graduate-level experience with application in diverse industries and organizations. The certificate is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their professions.

Admission criteria

To be considered for the program, candidates are required to submit the following documents.

- Official transcripts

- GMAT or GRE scores*
- Statement of purpose
- Two letters of recommendation
- Professional Resume

*Program applicant's must apply for a waiver if they believe they qualify for an exception. Multiple factors are considered in the review of a waiver request including undergraduate and graduate course work, GPA, program accreditation, previous work experience, current job responsibilities and professional certifications. All GMAT/GRE waivers are considered on a case-by-case basis, and an approved wavier requires does not guarantee admission to the program.

Required courses. Select 12 hours from the following

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| TCM 611 | Product Design and Development | 3 hrs |
| TCM 645 | Project Control Systems | 3 hrs |
| TCM 651 | Cost Analysis for Project Management | 3 hrs |
| TCM 701 | Project Management | 3 hrs |
| TCM 703 | Project Risk Analysis | 3 hrs |
| TCM 710 | Project Leadership | 3 hrs |
| TCM 720 | Project Management Training | 3 hrs |
| TCM 740 | Management of Innovation and Technology Seminar | 3 hrs |
| TCM 750 | Advanced Project Management | 3 hrs |


GPA requirements

Students must attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.





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Missouri State


Graduate College

Graduate Catalog

College of Education

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Child Life Studies](#) (MS)  

[Counseling](#) (MS)

[Early Childhood and Family Development](#) (MS)  

[Early Childhood Special Education](#) (MSEd) 

[Educational Administration](#) (MSEd)

[Educational Technology](#) (MSEd)  

[Elementary Education](#) (MSEd)  

[Literacy](#) (MSEd)  

[Secondary Education: Family and Consumer Sciences Area of Emphasis](#) (MSEd)

[Special Education](#) (MSEd) 

[Student Affairs in Higher Education](#) (MS)

[Teaching](#) (MAT)

[Teaching and Learning](#) (MATL)

Specialist programs

[Educational Administration](#) (EdS)

[Special Education and Assessment](#) (EdS)

[Teacher Leadership](#) (EdS)

Doctoral programs

[Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia](#)
(EdD)


Certificates

[Autism Spectrum Disorders](#) (Certificate)


[College Teaching](#) (Certificate)

[Comprehensive Systems of Support](#) (Certificate)

[Dyslexia](#) (Certificate)

[Education of Gifted and Talented Students](#)
(Certificate) 

[Educational Technology](#) (Certificate) 

[Elementary Curriculum and Instruction](#) (Certificate)


[Elementary Mathematics Specialist](#) (Certificate)

[Environmental STEM for Teachers](#) (Certificate)

[Family and Consumer Sciences Education](#)
(Certificate)

[International Perspectives in K-12 Special Education](#)
(Certificate)

[Literacy](#) (Certificate)

[Online Teaching and Learning](#) (Certificate)

[Orientation and Mobility](#) (Certificate)

[Perspectives About the American Higher Education System](#) (Certificate)

[Play Therapy](#) (Certificate)

[School Counseling](#) (Certificate)

[Special Education Director](#) (Certificate)

[Special Education Technology and Innovation](#) (Certificate)

[Student Mental Health, Family and Community Support](#) (Certificate)

[Teacher Leadership](#) (Certificate)

[Teaching and Learning](#) (Certificate)

University and College of Education Basics

The College of Education is "creating a legacy of learning." The development of educated persons is the University's underlying commitment that compels us to provide the highest quality teaching, research and service to our students and community. No other institution has a greater legacy or prouder tradition associated with the preparation of professional educators than does MSU. Students have come to MSU to prepare for careers in education - teaching, administration, counseling, and a number of specialties since 1905. The

Contact

Dean

David Hough

Associate Dean

Barri Tinkler

Office

cycle of MSU graduates becoming teachers of future teachers has repeated itself many times over the past one hundred years.

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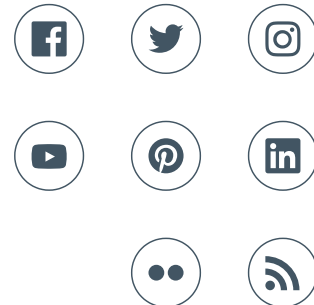
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Missouri State


Graduate College

Graduate Catalog

Department of Childhood Education and Family Studies

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Child Life Studies](#) (MS) 

[Early Childhood Special Education](#) (MSEd) 

[Early Childhood and Family Development](#) (MS) 



[Elementary Education](#) (MSEd)  

[Secondary Education: Family and Consumer
Sciences Area of Emphasis](#) (MSEd) 

Certificates

[Education of Gifted and Talented Students](#)
(Certificate) 

[Environmental STEM for Teachers](#) (Certificate)

[Elementary Curriculum and Instruction](#) (Certificate)


[Family and Consumer Sciences Education](#)
(Certificate)

[Elementary Mathematics Specialist](#) (Certificate)

[Student Mental Health, Family and Community
Support](#) (Certificate)

Accreditations

- Missouri Department of Elementary and Secondary Education – Elementary Education (MSEd), and Secondary Education/Family and Consumer Sciences (MSEd)
- Council for the Accreditation of Educator Preparation – Elementary Education (MSEd), and Secondary Education/Family and Consumer Sciences (MSEd)

Assessment

Students in the Educator Preparation Providers (EPP) program or the College of Education will be required to purchase a subscription to Taskstream (comprehensive portfolio system).

Program Description

The graduate program in **Child Life Studies** prepares students to be certified Child Life Specialists (CCLS) in both hospital and community health care environments. Students develop the skills necessary to promote family-centered care and learn how to work with children and their families who are living with the realities of chronic and acute surgery, trauma, injuries and disabilities. Students learn developmentally meaningful ways of working with children and their families in health care settings. Through the program, students gain an understanding of medical issues, coupled with a firm grounding in practice. Students learn to advocate for children and their families, prepare children for medical procedures, teach children and their families about their illness, minimize stress and anxiety for children and their families, create opportunities that strengthen self-esteem and independence, provide non-pharmacological techniques to comfort children, and provide normal life experiences that promote optimal growth and development. In addition, the program provides graduate students with the opportunity to pursue research interests that will provide the field with evidence-based practices.

The graduate program in **Early Childhood and Family Development** is designed for individuals who work with, or who are interested in working with, young children and/or families. This degree is appropriate for a large number of persons working with children and families in a variety of settings. In addition to a core of required courses, students will choose electives that best meet their professional needs. This flexibility allows students to develop a program of study to meet their needs. Although it is not a certification program, some of the courses may be able to be taken for certification credit. This will be done individually for each student. The program has a core set of courses

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(<https://education.missouristate.edu/CEFS/>)

that provide a strong early childhood and child development background. There are also a wide variety of electives that can be taken to round out the degree according to the individual needs of the student.

The graduate program in **Elementary Education** is designed for teachers who desire to develop advanced knowledge and skills related to successful teaching in the elementary school. Within the program there are opportunities for the student to complete the Masters degree either on campus or online. The Teaching and Learning track has a research/practitioner focus specializing in hands-on experiences and is delivered on campus. The Curriculum and Instruction track has a theoretical/research focus emphasizing diverse approaches to instructional practices and is delivered through online coursework. Additionally, there is a special option for postbaccalaureate students to apply graduate courses to Missouri certification.





The graduate program in **Family and Consumer Sciences** is designed for individuals who are currently an educator of family and consumer sciences or hold certification in family and consumer sciences. The program provides twelve hours of core coursework that advances teaching mechanisms. Elective coursework can be taken to enhance knowledge of current trends and issues in fashion, textiles, nutrition, wellness, housing and interior design. There are also opportunities to refresh and build upon knowledge in areas like family and child development. Students choose electives that best meet their professional needs. This flexibility allows students to develop a program of study to meet their professional needs.



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Missouri State

Graduate College

Graduate Catalog

Childhood Education and Family Studies Graduate Faculty

Professors

Sabrina A. Brinson

Denise D. Cunningham

Associate professors

Amanda Benedict-Chambers

Joanna J. Cemore Brigden

Diana Piccolo

Joan Test

Assistant professors

A. Minor Baker

Chloe Bolyard

Tammi Davis

Elizabeth King

Stafanie Livers

Jennice McCafferty-Wright

Lindsey Murphy

Sascha Mowrey

Muhammad Hassan Raza

Clinical assistant professor

Gina Wood

Clinical instructors

Rhonda Bishop

Debra Price

Melissa Schotthofer

Per course instructors

Mariandine Huertas-Torres

Jane F. Pyle

Cara Smith

Jane Ward

Hae Min Yu

Emeritus professors

Roberta J. Aram

David W. Brown

Haldon D. Funk

Suzanne George

Cynthia K. Hail

John M. Hail

Mary Beth Mann

James Meyer

John F. Newport

Peggy S. Pearl

J. Rondo Pope

Dale G. Range


Barbara A. Sperling

Roger N. Tipling





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Missouri State

Graduate College

Graduate Catalog

Childhood Education and Family Studies Courses

Child and Family Development (CFD) courses

CFD 600 Issues in Child and Family Development

Prerequisite: permission.

Advanced inquiry into specialized areas of study in Child and Family Development. Variable content course. May be repeated to a maximum of six hours when topics change. May be taught concurrently with CFD 500. Cannot receive credit for both CFD 500 and CFD 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CFD 610 Child Life Theory and Practice

Prerequisite: admission into the CFD major-Child Life Option and completion of or concurrent enrollment in CFD 354 or admission into the Child Life Studies Graduate Program.

This course will cover advanced topics related to the child life profession, including: stress and coping theory, psychological preparation for medical experiences, ethical issues related to healthcare delivery, non-pharmacological pain management, interdisciplinary team communication and advocacy, supervision of students, and child life program administration. May be taught concurrently with CFD 510. Cannot receive credit for both CFD 610 and CFD 510.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Spring |

CFD 632 Family Advocacy

A study of the advocacy process in both the public and private sectors for directing change to benefit families and children. The course involves field trips to locations where decisions are being made that impact families and children. May be taught concurrently with CFD 532. Cannot receive credit for both CFD 532 and CFD 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Upon demand |

CFD 633 Principles of Family Life Education

A study of the philosophical and methodological considerations in facilitating family life education programs. Field experiences are a part of this course. May be taught concurrently with CFD 533. Cannot receive credit for both CFD 533 and CFD 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 4 | 4 | 0 | Upon demand |

CFD 657 Growth and Development: Middle Childhood to Adolescence

Overview of current research on development, middle childhood through adolescence (8-18), including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities. May be taught concurrently with CFD 557. Cannot receive credit for both CFD 657 and CFD 557.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Spring |

CFD 660 Family Engagement

A study of family engagement programs including family education, volunteerism, leadership development, and advocacy. Students are involved in practicums working with families in a variety of community settings. Students

must obtain a Missouri Volunteer and Employee Criminal History Service (MOVECHS) FBI fingerprinting background check. May be taught concurrently with CFD 560. Cannot receive credit for both CFD 560 and CFD 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CFD 662 Prevention of Child Abuse and Neglect

The primary and secondary prevention of physical, emotional, and sexual abuse and neglect of children. Designed for professionals who work with children and families and are required by law to report suspected incidences of child abuse and neglect. May be taught concurrently with CFD 562. Cannot receive credit for both CFD 562 and CFD 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CFD 663 Administration of Programs for Children and Families

Types, purposes, and administration of programs for children, youth, and families. Development of leadership and management skills. Includes an overview of office policy and procedure, staff and volunteer management, public relations, budgeting, and quality assurance. May be taught concurrently with CFD 563. Cannot receive credit for both CFD 663 and CFD 563.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

CFD 680 Introduction to Research in Child and Family Development

Prerequisite: 60 hours with minimum cumulative GPA (MSU and combined) of 3.00 or admission into accelerated graduate program or graduate student status.

Provides an introduction to empirical research and a variety of research approaches common to the social sciences. Relevant terms and statistical concepts will be presented. Research methods and experimental designs, including locating and analyzing research articles from the professional literature will be introduced. May be taught concurrently with CFD 580. Cannot receive credit for both CFD 680 and CFD 580.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CFD 701 Orientation to Early Childhood and Family Development

Prerequisite: admission to the Early Childhood and Family Development graduate program.

Orientation to the program and examination of seminal reading in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

CFD 702 Community Engagement

Analysis of service-learning/community engagement. The main tenets of community engagement/service learning are analyzed, the community need, the academic enhancement, and reflection. The roles of all involved in community engagement/service learning, the teachers, the students, and the community partners are studied. Ethical, moral, and civic implications of community engagement/service-learning are also explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CFD 705 Growth and Development: Infancy through Early Childhood

Overview of current research on children's development, prenatal through age 5 years, including physical, cognitive, social and emotional development. The roles of culture and biology in development, including families and a variety of social settings such as child care, schools, neighborhoods, and communities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CFD 750 Advanced Human Development Studies

Analysis of theories and trends in human development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CFD 761 Advanced Family Studies

Provides students with an understanding of theories used in the study of families; awareness of current demographics and trends of today's families; examines characteristics of various family structures and social influences impacting family functioning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CFD 775 Parent and Child Relations

This course examines relevant theories and current research in parent-child relationships across the life span.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CFD 776 Advanced Studies in Infant Development

Current research on infant development, prenatal through two years of age. The roles of families and culture in early development. Applications of research findings to practice in infant and toddler care.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Child Life Studies (CLS) courses

CLS 705 Aspects of Childhood Illness and Disease

Childhood disease processes and pathophysiology, symptoms, diagnostic tests, and treatment of diseases will be discussed. Information on how disease affects a child and family's behavioral, social and emotional development and coping strategies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CLS 710 Childhood Death and Bereavement

Various theories and practice specific interventions that assist children/youth or family members when they encounter issues of death, loss, and/or grief. Examination of those issues affecting the student personally or professionally. Development of epistemology regarding death, loss, and grief.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CLS 715 Play and Therapeutic Intervention

Prerequisite: CFD 610 and CFD 750.

Developmental aspects of play and therapy related to developmental stages of children and family in the context of health-care setting. Apply play therapy techniques in dealing with childhood problems such as molestation, physical abuse, depression, trauma, and family conflict.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

CLS 720 Trends and Issues in Child Life

Topics of interest from the profession of Child Life will be discussed through readings, case studies, and review of research. The application of theory and research to current practices in Child Life will be discussed. Potential research topics will be investigated and the thesis literature review will begin. Should be taken prior to SFR 780.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CLS 790 Practicum in Child Life

Prerequisite: permission of Child Life Studies Program Director.

Students carry out play activities; supervise activities that foster creativity, divert child/youth from stress and worry and normalize their environment; and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must be supervised by a certified Child Life Specialist.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

CLS 791 Practicum in Child Life

Prerequisite: permission of the Child Life Studies Graduate Director.

Students carry out play activities; supervise activities that foster creativity, divert child/youth from stress and worry and normalize their environment; and provide opportunities for children/youth to socialize and engage in developmentally appropriate activities. Practicum must be supervised by a certified Child Life Specialist. May be repeated to a maximum of six hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CLS 795 Child Life Internship

Prerequisite: permission of Child Life Studies Program Director.

Student will work with children/teens and families in a hospital and/or related clinical setting under the supervision of a certified Child Life Specialist. The student will accumulate 600 hours to meet the eligibility requirement to sit for the Child Life Professional Certification Exam. Special attention will be given to legal, ethical, moral, educational, cultural, spiritual, and gender issues as they relate to working with children, youth, teens and their families.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 6 | | | Fall, Spring, Summer |

CLS 796 Child Life Internship

Prerequisite: permission of the Child Life Studies Graduate Director.

Student will work with children/teens and families in a hospital and/or related clinical setting under the supervision of a certified Child Life Specialist. In combination with CLS 795, the student will accumulate 600 hours to meet the eligibility requirement to sit for the Child Life Professional Certification Exam. Special attention will be given to legal, ethical, moral, educational, cultural, spiritual, and gender issues as they relate to working with children, youth, teens and their families. May not be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CLS 798 Proposal Development for Child Life Thesis

Prerequisite: SFR 780.

Students will prepare a proposal for their thesis paper. Information and guidance completing Human Subjects Review will be provided.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

CLS 799 Thesis Research in Child Life

Prerequisite: CLS 798 and SFR 780.

Guided development of original research and reporting in a five chapter format.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

Early Childhood Education (ECE) courses

ECE 601 Home/School/Community Relationships with Young Children and Their Families

This course offers a transdisciplinary approach designed to enhance the student's understanding of the transactional relationship between the school, child and family. Particular emphasis is placed on family development and dynamics within a pluralistic society including the role that family functioning has on the child's total educational experience. May be taught concurrently with ECE 501. Cannot receive credit for both ECE 501 and ECE 601.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 675 Working with Culturally and Linguistically Diverse Children and Families in Early Childhood

Prerequisite: Prerequisite EDC 345.

Begins exploring the disposition toward inquiry needed for ongoing self-development, and focuses on the knowledge and skills needed to infuse culturally and linguistically responsive curriculum. Students will gain an understanding of their professional role in strengthening respectful, collaborative family/child partnerships through effective use of community and family resources. An emphasis will be on learning from families and focusing on how best to support culturally and linguistically diverse young children and their families. May be offered concurrently with ECE 575. Cannot receive credit for both ECE 675 and ECE 575.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ECE 705 Field Experiences in Early Childhood Education

Students participate in field experiences in area schools and other educational settings. This course will provide field experiences with three different age groups (birth-3; 3-5; 5-8). Course is designated for graduate students needing field experiences to meet certification requirements in Early Childhood Education. Students will attend weekly scheduled class discussion sessions on campus in addition to the required field work of 15 clock hours for every credit hour. May be repeated for a maximum of three hours of credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ECE 724 Foundations of Early Childhood Education

Course will focus on the historical, psychological, philosophical, and social foundations of early childhood education. Theories and research are integrated with practical knowledge. Students will examine philosophy, curriculum, methodology, service delivery systems, and family involvement issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 725 Inquiry in Early Childhood and Family Development

Inquiry in early childhood and family development. Introduction to the techniques used by education and social scientists to answer empirical questions. Includes in-depth analysis of current program-relevant theoretical and empirical studies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ECE 726 Programming and Policy Issues for Early Childhood Settings

Analysis of programs, policies and theories appropriate for young children and their families in a variety of early childhood settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ECE 727 Children and Families in a Diverse Society

Examination of diverse cultures in American society. An analysis of racism, sexism, and other diversity issues within the school and community. Discussion of child development within different cultures and identifying changing family and community structures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 728 The Educational Role of Play

A study of the social, emotional, cognitive, and language development of young children through play. Attention is given to the use of play in the organization and development of the early childhood classroom and curriculum. Current models of early childhood curriculum and their relationship to support of play will be explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 729 Literacy in Early Childhood

Develops awareness of and support for children's literacy knowledge as it grown and changes in the years from birth through early elementary school. This course emphasizes the supportive nature of the adult's role in young children's literacy learning. Descriptions of relevant, meaningful literacy events and suggestions for classroom or home support will be presented. Current research that has a bearing on methodology will be explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 730 Family Literacy

Introduction to the philosophy and theory behind family literacy, as well as discussion on the development and implementation of a family literacy program. The four-component model of adult education, early childhood education, parent and child together (PACT), and parenting will be covered, both in theory and practical application. Explores the rationale for and characteristics of comprehensive family literacy, focusing upon the families being served, services being provided, outcomes being achieved, and the role and responsibilities of individuals, organizations, and communities involved.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECE 731 Advanced Curriculum Development for Early Childhood Programs

Analysis of programs, methods, materials, and activities appropriate for early childhood education programs. Emphasis will be on developing and/or selecting strategies for a variety of programs such as day care centers, public school kindergartens and primary grades, Head Start programs, private preschools, etc.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ECE 762 Seminar in Early Childhood and Family Development

Prerequisite: ECE 771.

Guided development of research paper focused on field of Early Childhood and Family Development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ECE 771 Proposal Development

Prerequisite: ECE 725 and SFR780.

Development of proposal for seminar paper. Proposal must be approved prior to data collection. Human subjects review will also be completed via a lab section with research advisor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 1 | Fall, Spring |

Early Childhood, Elementary, and Middle School (EEM) courses

EEM 601 Introduction to Technology-Based Inquiry Instruction

Introduction to eMINTS philosophy and instructional model for teachers, emphasis on constructivist-based pedagogies, questioning strategies and critical thinking; use of educational software, internet resources and classroom website design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 501. Cannot receive credit for both EEM 601 and EEM 501.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

EEM 602 Applications of Technology-Based Inquiry Instruction

Prerequisite: EEM 601 with grade of C or better.

Application of eMINTS philosophy, instructional model and teaching strategies; emphasis on cooperative learning, instructional use of interactive whiteboards, information literacy and modes of classroom communication, digital file management, Webquest development and multimedia project design and development. Eight clock hours field experience embedded. May be taught concurrently with EEM 502. Cannot receive credit for both EEM 602 and EEM 502.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

EEM 603 Implementing Technology-Based Inquiry Instruction

Prerequisite: EEM 601 and EEM 602 with grades of C or better.

Third course in eMINTS 3-course sequence. Emphasis on building a learning community, classroom management, instructional planning and implementation in a technology enriched classroom, interdisciplinary teaching methods, technology-assisted assessment, collaborative reflection to improve student performance.

Eight clock hours field experience embedded. May be taught concurrently with EEM 503. Cannot receive credit for both EEM 603 and EEM 503.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

EEM 606 Orientation for Intensive Language and Cultural Experience for Educators

Prerequisite: permission.

Students selected by application and interview process. Prepare for international travel and exposure to the people, cultures and primary language of the host country. Students develop an introspective case study proposal to be carried out during and/or after the experience abroad. Field trips outside class are required. May be taught concurrently with EEM 596. Cannot receive credit for both EEM 596 and EEM 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Spring |

EEM 607 Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 606 and permission.

Experience three weeks of exposure to the educational system, culture and language of the host country while reflecting on their own learning. Students will conducted an introspective case study, keep a journal, and create a portfolio. May be taught concurrently with EEM 597. Cannot receive credit for both EEM 597 and EEM 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Summer |

EEM 608 Post-Travel Seminar for Intensive Language and Cultural Experience for Educators

Prerequisite: EEM 606 and EEM 607 and permission.

Post-travel seminar deconstructs experience abroad. Students discuss strategies used as a learner and analyze effective teaching techniques. Participants compare cultural and language differences that teachers need to consider in teaching students in a new language. Introspective case study research and portfolios will be shared. May be taught concurrently with EEM 598. Cannot receive credit for both EEM 598 and EEM 608.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

EEM 616 Nature Unfolds

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in primary grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 516. Cannot receive credit for both EEM 616 and EEM 516.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

EEM 617 Nature Unleashed

Students will increase their awareness, knowledge, and appreciation of Missouri habitats and wildlife resources and learn fundamental life and earth science related concepts by experiencing ways to use inquiry-based instructional methods in intermediate grades. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 517. Cannot receive credit for both EEM 617 and EEM 517.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

EEM 618 Project Wet, WILD, and Learning Tree

Students will develop skills and knowledge of conservation education using the Projects Wet, WILD, and Learning Tree curriculums, which requires handling specific materials, using technology in science learning, and learning from investigations. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 518. Cannot receive credit for both EEM 618 and EEM 518.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

EEM 619 Nature Unhooked: Conserving Missouri's Aquatic Ecosystems

Students will develop foundational field biology skills related to Missouri's aquatic ecosystems in order to teach in a structured educational mode, via an outdoor setting. This is one of four courses required to satisfy the conservation education area of emphasis. May be taught concurrently with EEM 519. Cannot receive credit for both EEM 619 and EEM 519.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

EEM 676 Topical Issues in Education

Prerequisite: permission.

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. Approved recurring course topic: B.E.A.R.S. Seminars. 1(1-0) F. A series of seven (7) seminars with different topics designed to enhance and develop further understanding and skills in the improvement of teaching procedures for beginning educators. Seminars are offered monthly, with the exception of December, beginning in September and ending in April. Participation in at least six (6) of these seminars is required for credit. Participants will receive an "I" grade for the course due to the course extending through the spring semester. Grades will be changed at the end of the spring semester as requirements are met. This course is available to both beginning and veteran educators and satisfies the initial certification requirement of attending a beginning teacher assistance program with a college or university. Variable Content Course. May be taught concurrently with EEM 576. Cannot receive credit for both EEM 576 and EEM 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

EEM 720 Introduction to Learner Development and Differences in Gifted and Talented Education

An introduction to gifted education and the models of giftedness, strategies of identification, and facilitation of assessment for placement of children in gifted programs. Examination of resources available to classroom teachers and exploration of the challenges and rewards involved in working with gifted students. Historical and legal aspects of the evolution of gifted education will be explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

EEM 721 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education I

This course explores curriculum planning, instructional delivery and assessments for gifted and talented students. Understanding and selecting content that promotes higher order cognition and the processes involved in creating contexts for discovery-based learning is examined. Some online class meeting required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Spring |

EEM 722 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II

This course expands the exploration of curriculum planning, instructional delivery, and assessments for gifted and talented students with special emphasis on social-emotional aspects of gifted students. Some online class meeting required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 2 | 2 | Fall, Spring |

EEM 723 Learning Environments and Collaborations in Gifted and Talented Education

This course explores the creation of learning environments conducive to higher-order thought processes, exploration and discovery. Professional collaborative processes; techniques and means of communicating/collaborating with families, content experts/professionals, and other educators in the field of Gifted and Talented education will be examined and practiced. Some online class meeting required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Spring |

EEM 796 Problems in Education

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
|---------------------|------------------------------|--------------------------|--------------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

EEM 799 Thesis

Prerequisite: ELE 711 and SFR 780 and permission.

May be repeated to a maximum of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Elementary Education (ELE) courses

ELE 600 Current Issues and Applications in Elementary Education

Prerequisite: grade of "B" or better in ELE 429 or ELE 603, and ELE 434 or ELE 604, and ELE 438 or ELE 602, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in GRY 240; and concurrent enrollment in ELE 605.

Application of current innovations and examination of contemporary issues facing elementary teachers including classroom management, inclusion, English language learners, integrated planning and instruction with art, music, health and physical education. A comprehensive field experience in area school classrooms is required.

May be taught concurrently with ELE 500. Cannot receive credit for both ELE 500 and ELE 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-5 | | | Fall, Spring |

ELE 601 Communication Arts Instruction in the Elementary School

Prerequisite: ELE 302 and permission of Director of Graduate Program in consultation with the Teacher Certification and Compliance Office.

Study of the development of language and communication abilities, procedures and instruments for assessing language development, and techniques and materials for promoting development in communication skills for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning. Course limited to certification students only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ELE 602 Social Studies Instruction in the Elementary School

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in HST 121 or 122, and PLS 101 and GRY 100; and admission to graduate Elementary Education program.

Current issues and approaches in teaching elementary school social studies to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ELE 603 Mathematics Instruction in Elementary Schools

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in MTH 320 and MTH 360; and admission to graduate Elementary Education program.

Emphasis upon diagnosis of skill level development, teaching basic mathematical skills, and individualizing instruction in mathematics for elementary and middle school programs. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ELE 604 Science Instruction in the Elementary School

Prerequisite: grade of "B" or better in ELE 410, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and grade of "C" or better in 8 hours of science (one biology and one physical science); and admission to graduate Elementary Education program.

Current issues and approaches in teaching elementary school science to children including exceptional children who are mainstreamed in the regular classroom. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ELE 605 The Reflective Practitioner

Prerequisite: grade of "B" or better in ELE 429 and ELE 434 and ELE 438, and RDG 420 or RDG 656, and RDG 421 or RDG 656; and concurrent enrollment in ELE 600.

Introduces students to action research as reflection on their own teaching and learning, and their students' learning and achievement. Requires an intensive field experience in area elementary school. May be taught concurrently with ELE 510. Cannot receive credit for both ELE 510 and ELE 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ELE 710 Elementary School Curriculum

The purpose of this course is to analyze the philosophical and theoretical frameworks that guide elementary curriculum for the assumptions that each makes with regard to teaching and learning. Students will be introduced to the development of curriculum and curriculum materials for use in elementary educational settings. Students will examine the social, political and institutional contexts in which curriculum is developed and used, curriculum development methods and process, and various methods for the implementation, evaluation and distribution of curriculum materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ELE 711 Contemporary Issues in Elementary Curriculum

Contemporary issues confronting the modern elementary school; current problems, innovations and proposed changes which affect the total elementary school program. Trends and issues that are developing at the national level.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

ELE 713 Advanced Theory and Practice in the Teaching of Communication Arts

Materials, methods and procedures for effective classroom presentation of communication arts. Selection, organization and development of content materials; current issues and trends in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ELE 714 Advanced Theory and Practice in the Teaching of Social Studies

Materials, methods and procedures for effective classroom presentation of social studies. Selection, organization and development of content materials; current issues and trends in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ELE 715 Advanced Theory and Practice in the Teaching of Mathematics

Materials, methods and procedures for effective classroom presentation of elementary mathematics. Selection, organization and development of content materials; current trends and issues in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ELE 716 Advanced Theory and Practice in the Teaching of Science

Materials, methods and procedures for effective classroom presentation of elementary science. Emphasis is placed on teaching science as inquiry and experimentation. Selection, organization and development of content materials; current trends and issues in science education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ELE 717 Advanced Theory and Practice in the Teaching of Economic Education

Materials, methods, and procedures for effective classroom presentation of economic education. Selection, organization, and development of curriculum materials, current issues and trends in the field of economics. Presents students with a framework for proper scope and sequencing of economics concepts to develop an awareness of appropriate benchmarks for economic education instruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ELE 720 Advanced Theory and Practice in Student Assessment and Evaluation

Materials, methods, and procedures for effective assessment and evaluation of students. Planning, selection, construction, use, and analysis of a variety of assessment practices including formal and informal approaches. Application of knowledge learned throughout course will help students make judicious and reflective decisions while teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ELE 721 Standards-Based Integrated Curriculum, Learning, and Teaching

Analysis and application of current theories and research on integrated curriculum and learning, performance assessment, and standards-based education. Develop classroom, school-wide and/or district-wide curricula based on state standards. Focus is on deciding what is essential to teach and on improving learners' math and literacy skills across the curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ELE 722 Differentiated Instruction for Early Childhood, Elementary, and Middle School

Materials, methods, and procedures for effective differentiation of instruction and evaluation of students. Planning, selection, construction, use and analysis of a variety of differentiate instructional practices across grade levels and disciplines, paying close attention to elementary and middle school learners. Application of knowledge learned throughout course will help students made judicious and reflective decisions while teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ELE 725 The Emerging Master Teacher

Prerequisite: minimum GPA of 3.00 in the last 60 hours.

This course is designed to engage students in collective and individual inquiry regarding the "problem space" of teaching and learning. It explores current and historical trends/theories that have shaped teaching practices, curriculum design, and assessments of learning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

ELE 730 Internship in Number and Operations

Prerequisite: admission to the Elementary Mathematics Specialist program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 750.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on concepts related to numbers and operations in base ten appropriate in K-5 students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Upon demand |

ELE 732 Internship in Rational Numbers and Proportional Thinking

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 752.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachings and parents) on rational number and proportional thinking concepts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Upon demand |

ELE 734 Internship in Algebraic Reasoning

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrently enrollment in MTH 754.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teacher and parents) on concepts related to algebraic reasoning appropriate in K-5 students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Upon demand |

ELE 736 Foundations of Mathematical Leadership I for Elementary Mathematics Specialists

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.

This introductory course provides opportunities for participants to develop knowledge and understanding of leadership principles and the process of continuous improvement as it relates to the roles and responsibilities of elementary mathematics specialists.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

ELE 737 Foundations of Mathematical Leadership II for Elementary Mathematics Specialists

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching.

This second leadership course in the Elementary Mathematics Specialists program focuses on research and practice related to teamwork, interaction, communication, conflict resolution, and leadership in K-5 schools. Candidates will also examine effective strategies for influencing and facilitating school/district improvement (e.g., mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning) collaborating with colleagues and administration. Candidates will focus on mentoring and observing colleagues, conducting professional development, and making data-informed decisions to improve student learning school- and district-wide.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ELE 738 Internship in Geometry and Measurement

Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of elementary or middle school teaching; and concurrent enrollment in MTH 760.

A supervised mathematics teaching practicum with online seminars in which the candidate acquires experience working with a range of students and adult learners (teachers and parents) on geometry and measurement concepts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Upon demand |

ELE 771 Proposal Development

Prerequisite: currently enrollment in SFR 780.

Development of proposal for seminar paper or thesis. Proposal must be approved prior to data collection. Human subjects review will also be completed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

ELE 772 Research Seminar in Elementary Education

Prerequisite: ELE 711 and SFR 780.

Guided development of a research paper or a creative project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall, Spring |

ELE 775 Research Study in Elementary Education

Prerequisite: SFR 780; and ELE 711 in which a project has been identified for completion in ELE 772.

Guided development of a research paper or creative project. Individual work with faculty member on developing the proposal for a research study or continued work on a study beyond the duration of ELE 772. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

ELE 803 Curriculum and Assessment in Mathematics Education

Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and may be taken concurrently with ELE 804.

This course is designed to deepen students understanding of current mathematics curriculum, curriculum alignment with current standards and textbooks, and assessment tools for meeting the diverse needs of students. Students will also learn to develop and provide professional development in various areas of mathematics teaching and how to communicate assessment results to teachers, parents and other constituents.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

ELE 804 Mathematical Leadership III for Mathematics Specialists

Prerequisite: Master's degree in Education, Mathematics Education or related field; ELE 737; and ELE 803 or concurrent enrollment.

This course focuses on research and practice related to teamwork, coaching, communication, conflict resolution, and more intensive leadership training. It examines effective strategies for influencing and facilitating school/district improvement and includes an embedded practicum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|--|
| 3 | 2 | 2 | Fall (odd-numbered years), Spring (even-numbered years) |

ELE 805 Seminar in Mathematics Education

Prerequisite: ELE 803 and ELE 804.

This course is designed to guide students in conducting a research paper or creative project focused on mathematics education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|--|
| 3 | 3 | 0 | Fall (odd-numbered years), Spring (even-numbered years) |

Family and Consumer Sciences (FCS) courses

FCS 600 Issues in Family and Consumer Sciences

Advanced inquiry into specialized areas of study in Family and Consumer Sciences such as: Blended Families, Historic Building Preservation, Textile Conservation, Preservation Techniques, Advanced Culinary Techniques, and International Trends in Hospitality. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with FCS 500. Cannot receive credit for both FCS 500 and FCS 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

FCS 602 Study Tour

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. May be taught concurrently with FCS 502. Cannot receive credit for both FCS 502 and FCS 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

FCS 607 Student Organizations in Family and Consumer Sciences

Prerequisite: concurrent enrollment in FCS 612.

Methods of organizing student groups in Family and Consumer Sciences programs, techniques of working with students in individual and group projects; leadership training. May be taught concurrently with FCS 507. Cannot receive credit for both FCS 507 and FCS 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

FCS 612 Teaching Family and Consumer Sciences

Prerequisite: concurrent enrollment in FCS 607.

An overview of the philosophy and history of family and consumer sciences education; includes curriculum building with emphasis on critical thinking and reflective decision-making, problem-based learning, and the development of authentic assessments. Includes the planning of lessons, units, and development of teaching materials in the family and consumer sciences discipline and practice implementation of such lessons. Completion of checkpoint II for the Professional Portfolio is a component of this course. A grade of "C" or better

is required in this course. May be taught concurrently with FCS 512. May be receive credit for both FCS 512 and FCS 612.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

FCS 615 Organization of Family and Consumer Sciences Programs

Prerequisite: FCS 607 and FCS 612.

Investigation of the organization and administration of family and consumer sciences programs; identification of types of programs; program planning, program evaluation and career counseling with emphasis on critical thinking and reflective decision-making. May be taught concurrently with FCS 515. Cannot receive credit for both FCS 515 and FCS 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

FCS 701 Supervision of Student Teachers in Family and Consumer Sciences

Prerequisite: teaching experience in Family and Consumer Sciences; and permission.

Experiences in creating an environment that will encourage Family and Consumer Sciences student teachers to realize their potentials and gain competence in teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

FCS 715 Child and Family Development Instruction in the Middle and High School

Current issues and approaches in teaching child and family development at the middle and high school levels. Critical review of current research-based practices will be required as well as application of those strategies in lesson planning and teaching.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

FCS 720 Advanced Curriculum Development for Family and Consumer Sciences Programs

Analysis of programs, methods, materials, and activities appropriate for Family and Consumer Sciences programs. Emphasis will be on developing and/or selecting strategies for a variety of programs such as middle school, high school, ProStart, HTMP, Early Childhood.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

FCS 725 Career and Technical Education Leadership

Advanced inquiry into career and technical education as a teacher leader. Emphasis will be on developing and/or selecting strategies for a variety of programs such as FCCLA, SkillsUSA, ACTE.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

FCS 795 Advanced Technical Practice

Prerequisite: permission.

Work in CAD, EDI, Child Life, mental health, hospitality, clinical hospitals, schools, manufacturing, retailing, and/or other settings. Ninety clock hours required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

FCS 796 Practicum

Prerequisite: permission.

The assumption of responsibilities at an approved practicum site under the direction of a professor and practicum site supervisor.




| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 0 | 8 | Upon demand |



Missouri State

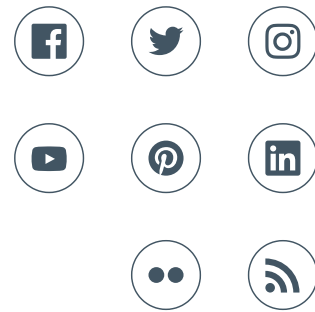
UNIVERSITY

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Missouri State

Graduate College

Graduate Catalog

Child Life Studies



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Graduate programs

Master of Science, Child Life Studies

Lindsey Murphy, Program Coordinator

Can be reached through the CEFS office, Hill Hall, Room 312; Phone 417-836-3262

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Program description

The Master of Science in Child Life Studies prepares students to excel as Certified Child Life Specialists (CCLS) in healthcare settings by fully developing and enhancing the professional knowledge and skills necessary to provide effective child life services with children who have chronic or acute illnesses and injuries, and their families.

The standard track prepares students to become practicing Certified Child Life Specialists who work to minimize the psychological stress and trauma that children and their families experience during a healthcare encounter. The coursework in the standard track incorporates the theoretical foundations of the child life profession and allows students to apply this theoretical knowledge into their practice as lab students, practicum students and

child life interns. Students learn developmentally appropriate techniques to minimize stress and anxiety, and enhance the coping skills of children and their families, including the benefits of therapeutic play, preparation for medical procedures, advocacy for patient- and family-centered care, legacy building and bereavement support, and positive diversion during medical procedures.

The advanced track prepares students for greater professional responsibility as Certified Child Life Specialists, including the application of research into clinical practice, the role of mentor to colleagues, the attainment of healthcare leadership positions or the pursuit of doctoral studies. The coursework in the advanced track is designed to enhance students' understanding of the research that supports child life practice and to facilitate students' development of their own research initiatives within their practice as Certified Child Life Specialists.

Admission requirements

All candidates must meet the requirements for admission as a graduate student to Missouri State University **and** the child life studies graduate program.

Advanced track admission requirements

- Bachelor's degree with an emphasis or minor in child life **or** a bachelor's degree and currently hold certification as a Child Life Specialist
- Cumulative undergraduate grade point average of 3.00 or higher
- Applicants for whom English is not their primary language are required to demonstrate graduate-level proficiency in English by either having achieved a score of 550 on the paper-based, or a comparable score of 79 on the IBT or internet- based TOEFL, or by other equivalent means.

Standard track admission requirements

- Bachelor's degree with no emphasis or minor in child life studies
- Cumulative undergraduate grade point average of 3.00 or higher
- Applicants for whom English is not their primary language are required to demonstrate graduate-level proficiency in English by either having achieved a score of 550 on the paper-based, or a comparable score of 79 on the IBT or internet- based TOEFL, or by other equivalent means.
- Minimum of 100 documented volunteer hours working with children or youth in a health care facility
- Any necessary undergraduate prerequisites for graduate coursework

Advanced track application materials

In addition to the university graduate admission materials, the following application materials must also be submitted.

- Child life studies graduate program application
- Letter of intent, including background information about professional/volunteer experiences, professional goals and future plans, with **1,000 words or less**
- Résumé
- Two confidential letters of recommendation: One from the academic setting and one from the clinical setting.

Confidential letters of recommendaton **must** be sealed and signed by the recommender or submitted

directly from the email address of the recommender. The student **cannot** forward an email with a letter of recommendation.

- Copy of the certified child life specialist, a.k.a. CCLS, certificate, if applicable

Standard track application materials

In addition to the university graduate admission materials, the following application materials must also be submitted.

- Child life studies graduate program application
- Letter of intent, including background information about professional/volunteer experiences, professional goals, and future plans, with **1,000 words or less**
- Signed documentation of a minimum of 100 volunteer hours in a pediatric health care facility.
- Résumé
- Two confidential letters of recommendation: One from the academic setting and one from the clinical setting.
Confidential letters of recommendation **must** be sealed and signed by the recommender or submitted directly from the email address of the recommender. The student **cannot** forward an email with a letter of recommendation.
- Completion of any required prerequisite courses or permission from the Graduate Program Director of Child Life Studies

Accelerated graduate program

The Master of Science in Child Life Studies accelerated graduate program provides exceptional Missouri State University undergraduate students with the opportunity to enroll in a combined baccalaureate and master's degree program.

Eligible child and family development, a.k.a. CFD, child life option majors may apply for preliminary acceptance into the child life studies graduate program. Once accepted, students will have the opportunity to take 12 hours of graduate-level child and family development coursework that could apply to both their undergraduate and graduate degrees.

Note: Only CFD 610 fulfills a required course for the accelerated graduate program. The three additional courses — CFD 657, 662 and 663 — can fulfill support electives for the accelerated graduate program.

Accelerated admission requirements

To be considered for admission, the following requirements must be fulfilled:

- Officially admitted into the Bachelor of Science child and family development, child life option, program
- Cumulative undergraduate GPA of 3.00 or higher
- Completed or currently enrolled in CFD 354 Working with the Hospitalized Child with achievement of a B or higher

Accelerated admission procedure

Students are encouraged to apply to the Child Life Studies accelerated graduate program the semester prior to taking CFD 510, 557, 562 and 563. Before enrolling in courses to be counted for both undergraduate and graduate credit (i.e. mixed), an undergraduate student must be admitted into the accelerated graduate program and receive prior approval from the Graduate Program Director of Child Life Studies, the Childhood Education and Family Studies Department Head and the Dean of the Graduate College through the use of a mixed credit form.

A student will be fully admitted to the Graduate College upon the completion of the requirements for the baccalaureate degree, provided the student meets all other requirements for admission to the Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the change of schedule period for the courses. See the Graduate College for further information.

Accelerated application materials

The following application materials must be submitted to the Graduate Program Director of Child Life Studies:

1. Child life studies graduate program application
2. Letter of intent, including background information about professional/volunteer experiences, professional goals, and future plans, with **1,000 words or less**
3. Résumé
4. Two confidential letters of recommendation: One from the academic setting and one from the clinical setting. Confidential letters of recommendation **must** be sealed and signed by the recommender or submitted directly from the email address of the recommender. The student **cannot** forward an email with a letter of recommendation.

Accelerated degree requirements

Students admitted into the accelerated graduate program will follow the Master of Science in child life studies **advanced track** degree plan. The following criteria must be successfully completed by the candidate before a degree will be granted.

- Satisfactory completion of a minimum of 34 approved graduate hours with a minimum overall GPA of 3.00
- Completion of 25–28 hours of required coursework

Degree requirements (34 or 43 hours)

Advanced track (34 hours)

The following criteria must be successfully completed by the candidate before a degree will be granted.

- Satisfactory completion of a minimum of 34 approved graduate hours with a minimum overall GPA of 3.00
 - Completion of 25–28 hours of required coursework
 - Completion of 6–9 hours of support electives
- No more than 16 hours of 600-level course work may be applied to the graduate program
- Satisfactory completion of a master's thesis by thesis committee
- A passing score on the comprehensive examination
- Candidates may transfer in no more than six credit hours which must be approved by the Graduate Program Director of Child Life Studies.

| Course | Title | Credit Hours |
|---|--|-----------------------------|
| <u>CFD 610</u> | Child Life Theory & Practice | 3 hrs |
| <u>CFD 750</u> | Advanced Human Development Studies | 3 hrs |
| <u>CFD 761</u> | Advanced Family Theory | 3 hrs |
| <u>ECE 727</u> | Children and Families in a Diverse Society | 3 hrs |
| <u>CLS 720</u> | Trends and Issues in Child Life | 3 hrs |
| <u>CLS 790</u> or <u>CLS 795</u> | Practicum in Child Life* or Child Life Internship** | 3 hrs or 6 hrs |
| <u>CLS 798</u> | Proposal Development for Child Life Thesis | 1 hr |
| <u>SFR 780</u> | Educational Research Methodology | 3 hrs |
| <u>CLS 799</u> | Thesis Research in Child Life | 3 hrs |
| | Electives | 6-9 hrs |

*Students who register for CLS 790 (Practicum) will take 9 hours of electives.

**Students who register for CLS 795 (Internship) will take 6 hours of electives.

Students may choose to take additional practicum hours (CLS 791) or additional internship hours (CLS 796) to maintain full time status.

Supported electives

| Course | Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>CLS 705</u> | Aspects of Illness and Disease | 3 hrs |
| <u>CLS 710</u> | Childhood Death and Bereavement | 3 hrs |
| <u>CLS 715</u> | Play and Therapeutic Intervention with lab | 3 hrs |
| <u>PSY 622</u> | Physiologic Psychology | 3 hrs |
| <u>PSY 711</u> | Introductory Statistics for Education and Psychology | 3 hrs |
| <u>PSY 745</u> | Statistics and Research Design | 3 hrs |
| <u>PSY 767</u> | Psychopathology | 3 hrs |
| <u>CFD 600</u> | Issues in Child and Family Development | 3 hrs |
| <u>CFD 662</u> | Prevention of Child Abuse and Neglect | 3 hrs |

| Course | Title | Credit Hours |
|-------------------------|---|--------------|
| CFD 663 | Administration of Programs for Children and Families | 3 hrs |
| CFD 657 | Growth and Development: Middle Childhood-Adolescence | 3 hrs |
| CFD 705 | Growth and Development: Infancy-Early Childhood | 3 hrs |
| CFD 775 | Parent and Child Relations | 3 hrs |
| CFD 776 | Advanced Studies in Infant Development | 3 hrs |
| COM 705 | Health Communication | 3 hrs |
| SPE 730 | Health, Function, and Psychosocial Aspects of a Disability | 2 hrs |
| CSD 669 | Health Literacy in the Human Services | 3 hrs |
| SWK 696 | Health Literacy in the Human Services | 3 hrs |
| SWK 750 | Social Work Practice I: Advanced Generalist Practice with Individuals | 3 hrs |
| EDT 640 | Technology Administration and Management | 2 hrs |
| NUR 632 | Rural Health | 3 hrs |
| NUR 703 | Population Health: A Local to Global Perspectives | 3 hrs |

Standard track (43 hours)

The following criteria must be successfully completed by the candidate before a degree will be granted.

- Satisfactory completion of a minimum of 43 approved hours of graduate coursework with a minimum overall GPA of 3.00
 - Completion of 34–37 hours of required coursework
 - Completion of 6–9 hours of support electives
- No more than 16 hours of 600-level course work may be applied to the graduate program
- Satisfactory completion of a master's thesis by thesis committee
- A passing score on the comprehensive examination
- Candidates may transfer in no more than six credit hours which must be approved by the Graduate Program Director of Child Life Studies.

| Course | Title | Credit Hours |
|-------------------------|--------------------------------|--------------|
| CFD 761 | Advanced Family Theory | 3 hrs |
| CFD 610 | Child Life Theory and Practice | 3 hrs |

| Course | Title | Credit Hours |
|--|---|----------------------|
| <u>CFD 657</u> | Growth & Development: Middle Childhood-Adolescence | 3 hrs |
| <u>CFD 705</u> | Growth & Development: Infancy -Early Childhood | 3 hrs |
| <u>CLS 705</u> | Aspects of Illness and Disease | 3 hrs |
| <u>CLS 710</u> | Childhood Death and Bereavement | 3 hrs |
| <u>CLS 715</u> | Play & Therapeutic Intervention with lab | 3 hrs |
| <u>CLS 790</u> or <u>CLS 795</u> | Practicum in Child Life* or Child Life Internship** | 3 hrs or 6 hrs |
| <u>CLS 798</u> | Proposal Development for Child Life Thesis | 1 hr |
| <u>SFR 780</u> | Educational Research Methodology | 3 hrs |
| <u>CLS 799</u> | Thesis Research in Child Life | 3 hrs |
| | Supported Electives | 6-9 hrs |

*Students who register for CLS 790 (Practicum) will take 9 hours of electives.

**Students who register for CLS 795 (Internship) will take 6 hours of electives.

Students may choose to take additional practicum hours (CLS 791) or additional internship hours (CLS 796) to maintain full time status.

Supported electives

| Course | Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>CLS 720</u> | Trends and Issues in Child Life | 3 hrs |
| <u>CLS 790</u> | Practicum in Child Life (Research and Field Experience) | 3 hrs |
| <u>PSY 622</u> | Physiologic Psychology | 3 hrs |
| <u>PSY 711</u> | Introductory Statistics for Education and Psychology | 3 hrs |
| <u>PSY 745</u> | Statistics and Research Design | 3 hrs |
| <u>PSY 766</u> | Psychopathology | 3 hrs |
| <u>PSY 767</u> | Psychopathology | 3 hrs |
| <u>CFD 600</u> | Issues in Child and Family Development | 3 hrs |

| Course | Title | Credit Hours |
|-------------------------|--|--------------|
| CFD 662 | Prevention of Child Abuse and Neglect | 3 hrs |
| CFD 663 | Administration of Programs for Children and Families | 3 hrs |
| CFD 750 | Advanced Human Development Studies | 3 hrs |
| CFD 775 | Parent and Child Relations | 3 hrs |
| CFD 776 | Advanced Studies in Infant Development | 3 hrs |
| ECE 727 | Children and Families in a Diverse Society | 3 hrs |
| COM 604 | Health Communication and Culture | 3 hrs |
| COM 608 | Patient-Provider Communication | 3 hrs |
| COM 705 | Health Communication | 3 hrs |
| SPE 730 | Health, Function, and Psychosocial Aspects of a Disability | 2 hrs |
| CSD 669 | Health Literacy in the Human Services | 3 hrs |
| SWK 696 | Health Literacy in the Human Services | 3 hrs |
| SWK 750 | Human Behavior and Family Systems | 3 hrs |
| EDT 640 | Technology Administration and Management | 2 hrs |
| NUR 632 | Rural Health | 3 hrs |
| NUR 703 | Population Health: A Local to Global Perspectives | 3 hrs |


Comprehensive examination

A comprehensive examination must be passed by the candidate before a degree will be granted.



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Graduate programs

Master of Science, Early Childhood and Family Development

Elizabeth King, Program Coordinator

Hill Hall, Room 305; Phone 417-836-6961

EKing@missouristate.edu (mailto:EKing@missouristate.edu)

Program description

The graduate program in Early Childhood and Family Development is designed for individuals who work with, or who are interested in working with, young children and/or families. The three pillars (Ethical Leadership, Cultural Competence, and Community Engagement) of the Missouri State Public Affairs Mission are an integral part of this degree throughout required courses, elective offerings and opportunities provided by program faculty, the college and the university. This degree is appropriate for a large number of persons working with children and families in a variety of settings. In addition to a core of required courses, students will choose electives that best

meet their professional needs. This flexibility allows students to develop a program of study to meet their needs. Although it is not a certification program, some of the courses may be able to be taken for certification credit. This will be done individually for each student. The program has a core set of courses that provide a strong early childhood and child development background. There are also a wide variety of electives that can be taken to round out the degree according to the individual needs of the student.

Program admission requirements

Admission requires the following minimum criteria:

1. A minimum GPA of 3.00 for courses taken in the last 60 hours of course work in the undergraduate program. Students who do not meet the GPA requirement must take the Graduate Record Examination (GRE). GRE minimum scores must be provided prior to the student's registering for more than 9 hours.
2. Applicants for whom English is a second language are required to submit appropriate proof of English proficiency. Requirements for TOEFL (minimum 550 -paper or 213 computer); iBT TOEFL (79); IELTS (6); or MSU ELI (Level 5) are required for admission.
3. To be considered for admission to this program, a student must submit both the Graduate Application and submit the required Early Childhood and Family Development documents.
4. Students must possess a bachelor's degree and must meet the requirements for admission to the graduate school as states under the Admission to Graduate Studies section of the Graduate Catalog.
5. Additional materials must be submitted.
 - A. A letter of intent containing professional goals, future plans, background information, and professional experiences.
 - B. Submission of two letters of recommendation from professionals familiar with the candidate's academic abilities and potential.
 - C. Completion of any required prerequisite courses or permission from the Director of the Early Childhood and Family Development Program.
6. Students may transfer in no more than 9 credit hours which must be approved by the advisor.

Required courses

Courses may count only once in meeting the 32-hour program course requirement.

Required core courses, 23 hours

| Course code | Course title | Credit hours |
|--|---|----------------------|
| CFD 701 | Orientation to Early Childhood and Family Development | 1 hr |
| CFD 750 | Advanced Human Development Studies | 3 hrs |
| ECE 725 | Inquiry in Early Childhood and Family Development | 3 hrs |
| CFD 761 or ECE 726 | Advanced Family Studies or Programming and Policy Issues for Early Childhood Settings | 3 hrs or 3 hrs |
| ECE 727 | Children and Families in a Diverse Society | 3 hrs |
| SFR 780 | Educational Research Methodology | 3 hrs |

| Course code | Course title | Credit hours |
|--------------------------------|---|---------------------|
| <u>ECE 771</u> | Proposal Development | 4 hrs |
| <u>ECE 762</u> | Seminar in Early Childhood and Family Development | 3 hrs |

Elective courses, 9 hours

Courses may be selected with the recommendation and approval of student's advisor. These courses can include a variety of classes from our program and related programs. Below are examples of some course electives, however, other course options are available in consultation with your advisor.

| Course code | Course title | Credit hours |
|--------------------------------|--|---------------------|
| <u>ECE 601</u> | Home/School/Community Relationships with Young Children and Their Families | 3 hrs |
| <u>ECE 705</u> | Field Experiences in Early Childhood Education | 1-3 hrs |
| <u>ECE 724</u> | Foundations of Early Childhood Education | 3 hrs |
| <u>ECE 728</u> | The Educational Role of Play | 3 hrs |
| <u>ECE 729</u> | Literacy in Early Childhood | 3 hrs |
| <u>ECE 730</u> | Family Literacy | 3 hrs |
| <u>CFD 702</u> | Community Engagement | 3 hrs |
| <u>CFD 632</u> | Family Advocacy | 3 hrs |
| <u>CFD 633</u> | Principles of Family Life Education | 4 hrs |
| <u>CFD 662</u> | Prevention of Child Abuse and Neglect | 3 hrs |
| <u>ELE 713</u> | Advanced Theory and Practice in the Teaching of Communication Arts | 3 hrs |
| <u>ELE 720</u> | Advanced Theory and Practice in Student Assessment and Evaluation | 3 hrs |
| <u>PSY 604</u> | Forensic Child Psychology | 3 hrs |
| <u>PSY 629</u> | Psychological Tests and Measurements | 3 hrs |
| <u>RDG 640</u> | Analysis and Correction of Difficulties in Literacy | 3 hrs |
| <u>RDG 700</u> | Relationship of Language to Literacy and Intellectual Development | 3 hrs |

Degree requirements

1. Satisfactory completion of a minimum of 32 approved graduate hours with a minimum overall GPA of 3.00.
2. No more than 16 hours of 600-level course work may be applied to the degree program.
3. **Comprehensive Examination.** A comprehensive examination must be passed by the candidate before a degree will be granted.
4. **Research.** Completion of one seminar which shall require an extensive paper or major creative work.
5. **Transfer Credit.** A maximum of 9 credit hours of graduate credit may be accepted toward a master's degree. All transfer credit must be "A" or "B" grade status from a regionally accredited college or university and must be approved by the Department Head or student's advisor.

Accelerated Masters Program in Early Childhood and Family Development

The Accelerated Masters Program option in Early Childhood and Family Development provides an opportunity for outstanding undergraduate child and family development majors, early childhood education majors, elementary education majors, and psychology majors to begin their graduate course work during their junior or senior year.

If accepted into the accelerated program, up to a maximum of 12 hours of graduate courses taken after admission into the program may be given credit for both undergraduate and graduate programs.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the course toward the masters degree, an undergraduate student must be accepted into the accelerated program, and receive prior approval from the graduate program advisor, and complete a "Mixed Credit" form. This form can be obtained from the student's department or the Graduate College. Mixed credit registration must be done in person.

Admission requirements for CFD, ELE, and PSY majors include:

1. Junior or Senior standing
2. Overall GPA of 3.25 or higher
3. To be considered for admission to the program, a student must apply to both the Graduate College and the Early Childhood and Family Development Graduate Program




Admission requirements for ECE majors include:

1. Junior or Senior standing
2. Admission into the Early Childhood Education Program
3. Overall GPA of 3.25 or higher
4. To be considered for admission to the program, a student must apply to both the Graduate College and the Early Childhood and Family Development Graduate Program



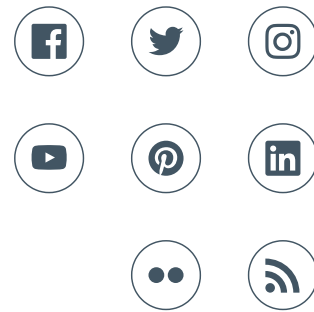


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Master of Science in Education, Early Childhood Special Education

Denise Cunningham, Program Coordinator

Hill Hall, Room 121; Phone 417-836-3262

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Program Description

The Accelerated Master of Science in Education – Early Childhood Special Education is designed for students pursuing either a Special Education or Early Childhood Education undergraduate degree who want certification in Early Childhood Special Education. This degree will prepare candidates to serve eligible young children and their families through a model of collaboration with educators, related service personnel, health care workers and other community-based service providers. Successful candidates will be able to provide special education services in infant/toddler, preschool, or primary settings up to third grade

Admission Requirements for the Accelerated Master

1. Junior status with a G.P.A. of 3.0 or better;
2. Admission to Teacher Education;
3. For early childhood education students, completion of [CFD 260](#) (Observing, Assessing, & Implementing Activities for Young Children);
4. For special education students, completion of [SPE 345](#) (Educational Evaluation of Exceptional Students) and [SPE 346](#) (Educational Evaluation of Exceptional Students Lab);
5. Acceptance of the applicant by the graduate faculty of both the Special Education and Early Childhood Education under the accelerated master's option.

Program Admission Procedure

In addition to the submission of the Graduate Application for Admission and application fee, the candidate must also submit the following materials.

1. A letter of intent containing professional goals, future plans, background information, and professional experiences.
2. Submission of two letters of recommendation from professionals familiar with the candidate's academic abilities and potential.
3. Completion of any required prerequisite courses or permission from the Graduate Director.
 - Students may transfer in no more than 6 credit hours that must be approved by the Graduate Director.
 - Students must complete a Program of Study with their advisor prior to completing 15 credit hours. Students and their advisor should monitor the online *Degree Audit* to ensure appropriate progress.

If accepted to the accelerated master's program, up to 12 hours of course work may apply to both the undergraduate and graduate degrees. Mixed credit coursework varies by the undergraduate program.

Mixed Credit Courses for Early Childhood Education majors

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| CFD 660 | Family Engagement | 3 hrs |
| CFD 663 | Admin. Of Programs for Children & Families | 3 hrs |
| ECE 675 | Working with Culturally/Linguistically Diverse Children & Families | 3 hrs |
| SPE 623 | Curriculum & Methods in ECSE | 3 hrs |

Mixed Credit Courses for Special Education majors

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SPE 625 | Introduction to Autism Spectrum Disorders | 3 hrs |
| SPE 660 | Working with Families of Exceptional Individuals | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>SPE 618</u> | Application of Applied Behavior Analysis & Intervention in Applied Settings | 3 hrs |
| <u>SPE 779</u> | Application of Technology in Sp. Education Students with Mild/Moderate Disabilities- Lab | 3 hrs |

Program Requirements

Requirements for Early Childhood Education majors - 38 hours total

Mixed Credit Courses - 12 hours

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>CFD 660</u> | Family Engagement | 3 hrs |
| <u>CFD 663</u> | Admin. Of Programs for Children & Families | 3 hrs |
| <u>ECE 675</u> | Working with Culturally/Linguistically Diverse Children & Families | 3 hrs |
| <u>SPE 623</u> | Curriculum & Methods in ECSE | 3 hrs |

Additional required courses - 26 hours

| Course Code | Course Title | Credit Hours |
|--|--|---------------------|
| <u>ECE 725</u> | Inquiry in Early Childhood & Family Development | 3 hrs |
| <u>SPE 616</u> | Foundations of Applied Behavior & Interventions for Teachers in Applied Settings | 3 hrs |
| <u>SPE 618</u> or <u>SPE 787</u> | Application of Applied Behavior Analysis & Intervention in Applied Settings or Advanced Behavioral Analysis and Intervention | 3 hrs |
| <u>SPE 671</u> | Clinical Practicum in Special Education | 1 hr |
| <u>SPE 779</u> | Application of Technology in Special Education | 3 hrs |
| <u>SPE 782</u> | Adv. Diagnosis & Remediation of Students with Mild/Moderate Disabilities | 4 hrs |
| <u>SPE 792</u> | Adv. Diagnosis & Remediation of Students with Mild/Moderate Disabilities – Lab | 2 hrs |

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>SFR 780</u> | Educational Research Methods | 3 hrs |
| <u>ECE 771</u> | Proposal Development | 1 hr |
| <u>ECE 762</u> | Seminar in Early Childhood & Fam. Development | 3 hrs |

Requirements for Special Education majors - 38 hours total

Mixed Credit Courses - 12 hours

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>SPE 625</u> | Introduction to Teaching & Assessing Children with Autism Spectrum Disorders | 3 hrs |
| <u>SPE 660</u> | Working with Families of Exceptional Individuals | 3 hrs |
| <u>SPE 618</u> | Application of Applied Behavior Analysis & Intervention in Applied Settings | 3 hrs |
| <u>SPE 779</u> | Application of Technology in Sp. Education Students with Mild/Moderate Disabilities- Lab | 3 hrs |

Additional required courses - 26 hours

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>ECE 675</u> | Working with Culturally & Linguistically Diverse Children & Families | 3 hrs |
| <u>CFD 705</u> | Growth and Development: Infancy through Early Childhood | 3 hrs |
| <u>ECE 725</u> | Inquiry in Early Childhood & Family Development | 3 hrs |
| <u>ECE 731</u> | Adv. Curriculum for Early Childhood Education | 3 hrs |
| <u>CFD 663</u> | Admin. of Programs for Children and Families | 3 hrs |
| <u>SPE 623</u> | Curriculum and Methods in ECSE | 3 hrs |
| <u>SPE 671</u> | Clinical Practicum in Special Education | 1 hr |
| <u>SFR 780</u> | Educational Research Methods | 3 hrs |
| <u>ECE 771</u> | Proposal Development | 1 hr |
| <u>ECE 762</u> | Seminar in Early Childhood & Fam. Development | 3 hrs |

Additional Certification Requirements for BSED, SPE Majors: CFD 110 (Health, Safety, and Nutrition) is a required course for Missouri Department of Elementary and Secondary Education certification in Early Childhood Special Education. This course will need to be completed during the BSED K-12 SPE Program for ECSE Certification Eligibility.

Research Requirement

The Master of Science in Early Childhood Special Education will require a seminar paper or thesis. The seminar paper can be a creative project, (e.g., curriculum development, program evaluation,) and the thesis will be a five chapter paper using original data. The seminar paper/thesis will be proposed in ECE 771 (Proposal Development) and completed in ECE 762 (Seminar in Early Childhood & Family Development).

Field Experience

There are field experiences required in SPE 618 (Application of Applied Behavior Analysis and Intervention in Applied Settings) and/or SPE 787 (Advanced Behavior Analysis and Intervention), SPE 671 (Clinical Practicum in Special Education) and SPE 792 (Adv. Diagnosis & Remediation of Students with Mild/Moderate Disabilities – Lab).





Comprehensive Examination

A comprehensive examination must be passed by the candidate before a degree will be granted. Specific requirements for the comprehensive examination will be determined by the graduate faculty for the program.



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Elementary Education



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Graduate programs

Master of Science in Education, Elementary Education

Mandy Benedict-Chambers, Program Coordinator

Park Central Office Building, Room 009-6; Phone 417-836-6315

CEFS@MissouriState.edu

<http://education.missouristate.edu/cefs/>

Program description

The graduate program in Elementary Education is designed primarily for practicing educators who desire to continue their professional growth toward master teacher with deeper knowledge and advanced skills in elementary teaching. With a curriculum focusing on theory, practice and content knowledge, candidates completing this degree are prepared for greater responsibility within their district, the role of mentor to colleagues and preservice teachers or pursuit of doctoral studies.

The program requires a minimum of 34 semester hours and may be completed fully online or with a combination of face-to-face and online courses with fifteen hours of required courses. A minimum 12 hours program focus is

required in Advanced Elementary Curriculum and Instruction, Educational Technology, Elementary Mathematics, Literacy, Conservation Education, or Gifted and Talented Education. Program focus courses are offered in combination of face-to-face and/or online courses.

Successful completion of focus area coursework provides eligibility for an MSU Graduate Certificate. Graduate certificates may be earned independently or as part of the MSEd in elementary education program. Students must formally apply for admission to a graduate certificate program separately from the admission to the MSEd, Elementary Education program. The graduate certificate is awarded upon successful completion of coursework in the focus area and the certificate will be placed in the official university transcript.

Program admission requirements

Admission to the program requires the following minimum criteria:

1. A minimum GPA of 3.00 for courses taken in the last 60 hours of course work in the undergraduate program. Students who do not meet the GPA requirements must take the Graduate Record Examination (GRE). A GRE combined score of 290 (875 under the old scoring system before August 1, 2011) on the verbal and quantitative sections of the Graduate Record Examination is required prior to the student's registering for more than 9 hours.
2. Applicants for whom English is a second language are required to submit scores on the Test of English as a Foreign Language (TOEFL). A minimum score of 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL are required for admission.
3. A student who does not meet all the above criteria, but who demonstrates outstanding potential, may be fully admitted by the Elementary Education graduate faculty and the Head of the Childhood Education and Family Studies department on the basis of individual merit and successful completion of the first 9 hours of graduate coursework with a GPA of 3.00 or higher.

Program admission procedure

To be considered for admission to this program, a student must submit a Graduate Application and meet the following criteria.

- A. Students must possess a bachelor's degree and must meet the requirements for admission to graduate study.
- B. In addition, the following materials must be submitted:
 1. A letter of intent describing the applicant's professional goals and teaching philosophy, future plans, background information, teaching experiences, and/or other related experiences with children.
 2. A copy of an appropriate teaching certificate or eligibility for teacher certification by a state agency. Application without certification or eligibility may be accepted with permission from the Coordinator of Elementary Education Graduate Program or the Department Head of Childhood Education and Family Studies.
 3. Submission of three confidential letters of recommendation from professionals familiar with the candidate's academic abilities and teaching potential. One letter should be from someone who has observed the applicant working with children.

Degree requirements

1. Satisfactory completion of a minimum of 34 approved graduate hours with a minimum overall GPA of 3.00.
2. No more than 16 hours of 600-level course work may be applied to the graduate degree program.

3. **Comprehensive Examination.** A comprehensive examination or equivalent must be passed by the candidate before a degree will be granted.
4. **Research.** *Option I:* Satisfactory completion of one extensive paper or major creative work facilitated through the research seminar course.
Option II. Satisfactory completion of a thesis in the candidate's discipline. This credit shall be not more than 6 hours of the minimum 33 required for the degree.
5. **Transfer credit.** A maximum of 30% of the 34 hours of graduate credit may be accepted toward the master's degree. All transfer credit must be "A" or "B" grade status from an accredited college or university and must be approved by the Coordinator of the Elementary Education Graduate Program or the Department Head of Childhood Education and Family Studies.

Course requirements

Courses may count only once in meeting the 34 hour program course requirements.

1. Required Core Courses - 13 hrs

- [ELE 711](#) Contemporary Issues in Elementary Curriculum
- [ELE 725](#) The Emerging Master Teacher
- [ELE 720](#) Advanced Theory and Practice in Student Assessment and Evaluation
- [ELE 771](#) Proposal Development
- [SFR 780](#) Educational Research Methodology
- [ELE 772*](#) Research Seminar in Elementary Education (Research Option I) **OR**
- [EEM 799](#) Thesis (Research Option II)
- [ELE 775](#) Research Writing (1-3 hrs) may be taken as an elective up to 3 times to support research work.

2. Electives. Students in consultation with the Coordinator of the Elementary Education graduate program of advisor will select electives based on student interest and need to bring the total credits for the program to 34 hours.

Graduate Certificate in Elementary Curriculum and Instruction - select 12 hrs

- [ELE 710](#) Elementary School Curriculum
- [ELE 713](#) Advanced Theory and Practice in the Teaching of Communication Arts
- [ELE 714](#) Advanced Theory and Practice in the Teaching of Social Studies
- [ELE 715](#) Advanced Theory and Practice in the Teaching of Mathematics
- [ELE 716](#) Advanced Theory and Practice in the Teaching of Science
- [ELE 721](#) Standard-based Integrated Curriculum, Learning and Teaching
- [ELE 722](#) Differentiated Instruction for Early Childhood, Elementary and Middle School

Graduate Certificate in Elementary Mathematics Specialist (EMS) with Missouri DESE Certification - 24 hrs

The Master of Science in Education, Elementary Mathematics Specialist is designed for practicing teachers (with at least 2 years of experience teaching elementary or middle school). This track is part of a statewide Mathematics specialist certification in collaboration with other Missouri universities. Elementary Mathematics Specialist (EMS) professionals can serve students and schools in a variety of ways including as classroom teachers, lead or mentor teachers, and school or district-based mathematics specialists.

Prerequisites - 8 hrs

- [MTH 750](#) Number and Operations for Elementary Mathematics Specialists

- [ELE 730](#) Internship in Numbers and Operations
- [MTH 752](#) Rational Numbers and Proportional Thinking for Elementary Mathematics Specialists
- [ELE 732](#) Internship for Rational Numbers and Proportional Thinking

Required Courses - 16 hrs

- [MTH 754](#) Algebraic Reasoning for Elementary Mathematics Specialists
- [ELE 734](#) Internship for Algebraic Reasoning
- [MTH 760](#) Geometry and Measurement for Elementary Mathematics Specialists
- [ELE 738](#) Internship for Geometry and Measurement
- [MTH 758](#) Data and Probability for Elementary Mathematics Specialists
- [ELE 736](#) Foundations of Mathematical Leadership I for Elementary Mathematics Specialists
- [ELE 737](#) Foundations of Mathematical Leadership II for Elementary Mathematics Specialists

Graduate Certificate in Environmental STEM for Teachers - 12 hrs

- [EEM 716](#) Nature Unfolds
- [EEM 717](#) Nature Unleashed
- [EEM 718](#) Project Wet, Wild and Learning Tree
- [EEM 719](#) Nature Unhooked: CMAE Conserving Missouri's Aquatic Ecosystems

Visit the Graduate Catalog for details about the [Environmental STEM for Teachers Focus and Certificate Program in Elementary Education](#) ([/Catalog/prog-environmental-stem-for-teachers.htm](#)).

Graduate Certificate in Education of the Exceptionally Gifted-Talented Child - 12 hrs*

- [EEM 720](#) Introduction to Learner Development and Differences in Gifted and Talented Students
- [EEM 721](#) Curriculum Planning, Instruction and Assessment in Gifted and Talented Education I
- [EEM 722](#) Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II
- [EEM 723](#) Learning Environments and Collaborations in Gifted and Talented Education

*Adding [SFR 780](#) (https://graduate.missouristate.edu/catalog/rft_courses.htm#SFR780), Educational Research Methodology, and [ELE 772](#) (https://graduate.missouristate.edu/catalog/ChildEdFamStudies_courses.htm#ELE772), Research Seminar in Elementary Education, will earn Missouri DESE certification for Gifted and Talented Education.

Graduate Certificate in Educational Technology - 16-17 hrs

- [EDT 650](#) Selection and Utilization of Educational Technology
- [EDT 763](#) Administration of Educational Technology
- [EDT 764](#) Instructional Design
- [EDT 767](#) Educational Technology Practicum
- Choose two (2) additional courses - 5-6 hrs from: [MED 661](#), [662](#), [663](#), [681](#); [ENG 773](#), [775](#), [777](#); [ITC 610](#), [626](#), [630](#), [641](#), [720](#); [EDT 777](#); [TCM 710](#); [PSY 718](#); [AGE 608](#)

Visit the Graduate Catalog for details about the [Educational Technology Focus and Certificate Program](#) ([/Catalog/prog-cert-educational-technology.htm](#)) in Elementary Education.

Graduate Certificate in Literacy - select 12 hrs

- [RDG 700](#) Relationship of Language to Literacy and Intellectual Development
- [RDG 710](#) Content Area Literacy
- [RDG 740](#) Issues and Trends in Literacy Education
- [RDG 770](#) Curriculum Design in Literacy

- [RDG 780](#) Assessment Procedures for the Literacy Specialist
- [RDG 781](#) Assessment of Literacy Problems (must be taken concurrently with [RDG 782](#))
- [RDG 782](#) Remediation of Literacy Problems (must be taken concurrently with [RDG 781](#))

Visit the Graduate Catalog for details about the [Literacy Focus and Certificate Program](#) ([/Catalog/prog-cert-literacy.htm](#)) in Elementary Education.

Accelerated Master of Science in Education, Elementary Education 12 hrs

The MEd-ELE accelerated program master's option provides exceptional Missouri State University students the opportunity to enroll in graduate-level coursework as a baccalaureate candidate and earn up to 12 credits toward the Elementary Education master's degree program.

Eligible BSEd majors may apply for preliminary acceptance into the MEd-ELE program after admission requirements for the accelerated master's option have been satisfied. After acceptance into the Accelerated Master's in Elementary Education program, candidates must receive approval from the MEd-ELE Coordinator, CEFS Department Head and the Dean of the Graduate College before enrolling in a dual BSEd/MSEd course. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule period for the course(s). A student will be fully admitted to the Graduate College upon completion of the requirements for the baccalaureate degree and all other Graduate College admission requirements. See the Graduate Catalog for further information.

Admission Requirements for the Accelerated Master's Degree in Elementary Education:

1. Junior or Senior standing with an overall GPA of 3.25 or higher
2. BSEd major in progress
3. Admitted to Teacher Education
4. Recommendation of a faculty member in teacher education

Students admitted to the Accelerated Master's option may take 12 hours from the following courses or a course in consultation with the MEd-ELE Coordinator/advisor:

- [ELE 710](#) Elementary School Curriculum
- [ELE 721](#) Standards-Based Interdisciplinary Curriculum
- [ELE 722](#) Differentiated Instruction
- [ELE 725](#) The Emerging Master Teacher
- [PSY 703](#) Human Growth and Development
- [SPE 715](#) Foundations in Special Education
- [EDT 665](#) Selection and Utilization of Educational Technology
- [RDG 640](#) Analyses and Correction of Difficulties in Literacy
- [MID 725](#) Advanced Theory and Practice in the Teaching of Early Adolescents

Required courses (12 hours)

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| EEM 720 | Intro to Learner Development and Differences in Gifted and Talented Education | 3 hrs |

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| EEM 721 | Curriculum Planning, Instruction and Assessment in Gifted and Talented Education | 3 hrs |
| EEM 722 | Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II | 3 hrs |
| EEM 723 | Learning Environments and Collaborations in Gifted and Talented Education | 3 hrs |

*Adding SFR 780 (Educational Research) and ELE 772 (Research Seminar in Elementary Education) or ELE 799 (Thesis) will earn Missouri DESE certification for Gifted and Talented Education.

Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate



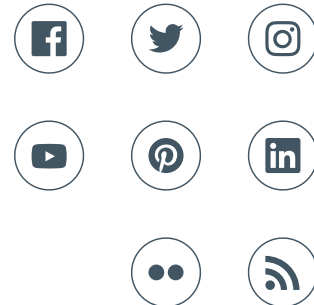
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Secondary Education: Family and Consumer Sciences Area of Emphasis



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Master of Science in Education, Secondary Education: Family and Consumer Sciences Area of Emphasis

Contact area of emphasis advisor Debra Price.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Family and consumer sciences requirements

A minimum of 3 hours of course work must be in Family and Consumer Sciences courses numbered 700 or above.

Family and Consumer Sciences **15 hrs**

Accelerated Master's Degree Option

Eligible undergraduate BEd majors in Family and Consumer Sciences may apply for early admission to the Master of Science in Education in Family and Consumer Sciences. Once accepted for early admission, students will be able to take up to twelve (12) hours of professional education courses or Family and Consumer Sciences content courses at the 600- or 700-level that apply to both their undergraduate and graduate programs. Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated master's program option AND receive prior approval from the Childhood Education and Family Studies Department Head, Family and Consumer Sciences MSED Program Coordinator and the Graduate College (on a Mixed Credit form). The student must complete their BEd Family and Consumer Sciences program and receive Missouri certification in Family and Consumer Sciences (K-12) to continue in the MEd Family and Consumer Sciences program beyond the twelve (12) hours earned through the accelerated master's program option.


Accelerated Admission Requirements

1. Junior standing, with an overall GPA of 3.25.
2. Major in BEd Family and Consumer Sciences.
3. Recommendation by a faculty member in the Childhood Education and Family Studies Department.





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Education of Gifted and Talented Students



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Certificate in Education of Gifted and Talented Students

Mandy Benedict-Chambers, Program Coordinator

Park Central Office Building, Room 009-6; Phone 417-836-6315

CEFS@MissouriState.edu

<http://education.missouristate.edu/cefs/>

Program description

The Graduate Certificate in the Education of Gifted and Talented Students provides a 12-hour* graduate-level experience for educators, administrators, curriculum developers, school leaders, or community members who are interested in the education of gifted and talented students. The program provides for the acquisition of knowledge, skill and dispositions necessary for educators to recognize the variations in learning and development in cognitive and affective areas between and among individuals with gifts and talents and to

modify education programs including curriculum, instruction, assessment and environment to provide them with meaningful and challenging learning experiences.

Admission criteria

To be considered for the program, a student must have a 3.00 grade point average. Students who do not meet the normal admission requirements, but who provide evidence of outstanding potential, will be considered for probationary admission. Probationary conditions will be defined by the graduate program faculty. Students in an Accelerated Master's, MEd, EdS, or a doctoral program are encouraged to consider this certificate program. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses (12 hours)

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| EEM 720 | Intro to Learner Development and Differences in Gifted and Talented Education | 3 hrs |
| EEM 721 | Curriculum Planning, Instruction and Assessment in Gifted and Talented Education | 3 hrs |
| EEM 722 | Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II | 3 hrs |
| EEM 723 | Learning Environments and Collaborations in Gifted and Talented Education | 3 hrs |

*Adding SFR 780 (Educational Research) and ELE 772 (Research Seminar in Elementary Education) or ELE 799 (Thesis) will earn Missouri DESE certification for Gifted and Talented Education.

Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate



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Elementary Curriculum and Instruction



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Certificate in Elementary Curriculum and Instruction

Denise Cunningham, Program Coordinator

Hill Hall, Room 121; Phone: 417-836-3262

Email: CEFS@MissouriState.edu (<mailto:CEFS@MissouriState.edu>)

Website: education.missouristate.edu/cefs (<https://education.missouristate.edu/cefs/>)

Program description

The graduate certificate in curriculum and instruction provides a 12-hour graduate-level experience for educators, administrators, curriculum developers, school leaders, or community members who are interested in the elementary education. The program provides for the acquisition of advanced knowledge and skills necessary for understanding and developing curriculum, and draws on research-based principles supported with current technology in exploring best practices in instruction. The certificate is designed to look at research,

practices, and related issues relevant to teaching and learning in the PreK-8 environment. Through standards-based activities from various content areas, student will experience instructional methods and curriculum as they become prepared to be leaders in their schools.

Admission criteria

To be considered for the program, a student must submit a graduate application and have a 3.00 grade point average. Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. Probationary conditions will be defined by the graduate program coordinator. Students in an accelerated master's and postbaccalaureates are encouraged to consider this certificate. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses (12 hours) – select 4 courses

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| ELE 710 | Elementary School Curriculum | 3 hrs |
| ELE 721 | Standard-based Integrated Curriculum, Learning and Teaching | 3 hrs |
| ELE 722 | Differentiated Instruction | 3 hrs |
| ELE 713 | Advanced Theory and Practice in Communication Arts | 3 hrs |
| ELE 714 | Advanced Theory and Practice in Social Studies | 3 hrs |
| ELE 715 | Advanced Theory and Practice in Math | 3 hrs |
| ELE 716 | Advanced Theory and Practice in Science | 3 hrs |
| EEM 676 | Topical Issues in Education | 3 hrs |
| EEM 796 | Problems in Education | 3 hrs |




Completion requirement

Courses must be completed with a 3.00 GPA for successful completion of certificate.



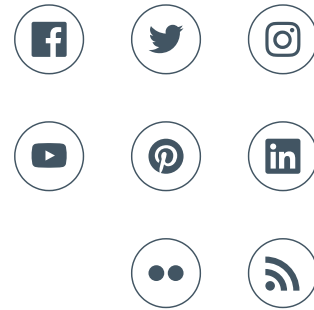


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Elementary Mathematics Specialist



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Graduate programs

Certificate in Elementary Mathematics Specialist

Diana Piccolo, Certificate Advisor

Hill Hall, room 412; Phone 417-836-3213

DPiccolo@MissouriState.edu

Program description

The graduate certificate in elementary mathematics specialist provides a 16 hour graduate-level experience for educators, specifically early, elementary, or middle school teachers or curriculum directors. The graduate certificate in elementary mathematics specialist is designed for practicing teachers (with at least 1 year of experience teaching elementary or middle school). This track is part of a statewide mathematics specialist certification in collaboration with other Missouri universities and culminates with a certification as an elementary mathematics specialist through the state of Missouri. Elementary mathematics specialist (EMS) professionals can serve students and schools in a variety of ways including as classroom teachers, lead or mentor teachers, and school or district-based mathematics specialists.

Entrance criteria

To be considered for the program, elementary or middle school teachers must be currently teaching with at least 1 year of classroom experience, strong interest in enhancing mathematics content and pedagogical preparation, and commitment to completing the requirements of the program in a 2-year period as part of a graduate cohort.

Students who do not meet the normal admission requirement, but who show an indication of high promise, will be considered for probationary admission. Probationary conditions will be defined by the certificate advisor in collaboration with the math department. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses (16 hours)

| Course code | Course title | Credit hours |
|-------------------------|--|--------------|
| ELE 734 | Internship in Algebraic Reasoning | 1 hr |
| ELE 736 | Foundations of Mathematical Leadership for EMS | 2 hrs |
| ELE 737 | Foundations of Mathematical Leadership II for Elementary Mathematics Specialists | 3 hrs |
| ELE 738 | Internship in Geometry and Measurement | 1 hr |
| MTH 754 | Algebraic Reasoning for EMS | 3 hrs |
| MTH 758 | Data and Probability for EMS | 3 hrs |
| MTH 760 | Geometry and Measurement for EMS | 3 hrs |

Prerequisite courses (8 hours)

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| ELE 730 | Internship in Number and Operations | 1 hrs |
| ELE 732 | Internship in Rational Numbers and Proportional Thinking | 1 hrs |
| MTH 750 | Number and Operations for Elementary Mathematics Specialists | 3 hrs |
| MTH 752 | Rational Numbers and Proportional Thinking for Elementary Mathematics Specialists | 3 hrs |

Completion requirements



Courses must be completed with a 3.00 GPA for successful completion of certificate.



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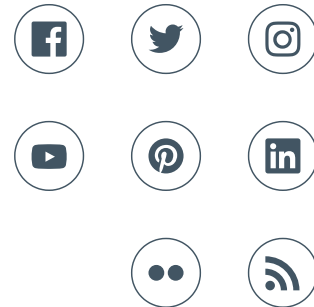
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Certificate in Environmental STEM for Teachers

Gina Wood, Certificate Advisor

Ellis Hall, Room 405;

Phone 417-836-6830

GinaWood@MissouriState.edu (mailto:GinaWood@MissouriState.edu)

Program description

The Graduate Certificate in Environmental STEM for Teachers provides a 12 hour graduate-level experience for educators, naturalists, conservationists, environment workers, or community members who are interested in conservation education. The program provides for the acquisition of knowledge and skills necessary for understanding and appreciating Missouri habitats and wildlife through the use of scientific materials, technology, engineering, and mathematics (STEM) practices. The certificate is also designed to provide a foundation on integrating conservation education into inquiry-based teaching. Through Grade Level Expectation-based

activities from all content areas; students will be trained in basic field biology to foster the confidence necessary to lead public school students in outdoor settings.

Admission criteria

To be considered for the program, a student must submit a graduate application and have a 3.00 grade point average. Students who do not meet the normal admission requirement, but who show an indication of high promise, will be considered for probationary admission. Probationary conditions will be defined by the certificate advisor. Students in the accelerated master's program, seniors, and postbaccalaureates are encouraged to consider this certificate. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses (12 hours)

| Course code | Course title | Credit hours |
|-------------------------|--|--------------|
| EEM 616 | Nature Unfolds | 3 hrs |
| EEM 617 | Nature Unleashed | 3 hrs |
| EEM 618 | Project Wet, Wild and Learning Tree | 3 hrs |
| EEM 619 | Nature Unhooked: CMAE Conserving Missouri's Aquatic Ecosystems | 3 hrs |

Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.



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Family and Consumer Sciences Education



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Certificate in Family and Consumer Sciences Education

Debra Price, Certificate Program Coordinator

Park Central Office Building, Room 117; Phone 417-836-8995

DebraPrice@MissouriState.edu (mailto:DebraPrice@MissouriState.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The certificate in family and consumer sciences education provides a 15 hour graduate-level experience for educators and those working with community organizations who are interested in family and consumer science (FCS) education. The program provides for the acquisition of knowledge and skills necessary for understanding and implementing FCS content and resources for all educators. The certificate is designed to provide a foundation for integrating hands on learning into the FCS classroom. Through course-based activities from various FCS content areas, students will be prepared to develop curriculum, lead student organizations, and continue professional development opportunities.

Admission criteria

A grade point average of 2.75 is required for admission.

Required courses - 15 hours total

Required core - 12 hrs

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| FCS 715 | Child and Family Development Instruction in the Middle & High School | 3 hrs |
| FCS 720 | Advanced Curriculum Development for Family & Consumer Sciences Programs | 3 hrs |
| FCS 725 | Career and Technical Education Leadership | 3 hrs |
| FCS 600 | Issues in Family and Consumer Sciences | 3 hrs |


Electives - 3 hrs

| Course code | Course title | Credit hours |
|-------------------------|---|--------------|
| FCS 600 | Issues in Family and Consumer Sciences | 3 hrs |
| FCS 701 | Supervision of Student Teachers in Family and Consumer Sciences | 3 hrs |
| | Any other related course approved by certificate advisor | 3 hrs |




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Graduate College

Graduate Catalog

Student Mental Health, Family and Community Support



GET A GRADUATE CERTIFICATE

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Certificate in Student Mental Health, Family and Community Support

Denise Cunningham, Program Coordinator

Hill Hall, Room 312B; Phone: 417-836-4492

DeniseCunningham@MissouriState.edu (mailto:DeniseCunningham@MissouriState.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Graduate Certificate in Student Mental Health, Family, and Community Support is a 9-hour certificate that will prepare educators and other professionals (e.g. school-based clinicians, family, system support and child life specialists, paraeducators, school nurses) to better support the psychosocial needs of children and adolescents through improved interactions with students themselves, their families, and surrounding communities. They will learn interpersonal, behavioral, systemic, and consultation strategies appropriate for diverse students in rural, urban, suburban public, private and home-based learning and educational settings. **The certificate is a Missouri**

State University certificate and does not meet Missouri State Certification requirements for teaching or counselor education.

Admission requirements

1. Completion of a baccalaureate degree from an accredited college or university.
2. Cumulative GPA of 2.75 over the bachelor's degree, the last 60 hours of academic work taken, or a master's degree.
3. A personal statement that addresses the applicant's professional career goals and how the certificate will help accomplish these goals.
4. A brief resume or curriculum Vita.
5. Students for whom English is a second language must earn a minimum score of 79 (internet-based) on the Test of English as a Foreign Language (TOEFL) or a 6.0 on the International English Language Testing System (IELTS).

Previous coursework will be evaluated by program advisor(s) and prerequisite exceptions will be made based off of course content and knowledge.

Certificate course requirements (9 hrs)

| Course Type | Course Code | Course Title | Credit Hours |
|---|--|--|--------------|
| Mental health/trauma-informed course (Select 1 of 2) | COU 710 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#COU710) & COU 711 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#COU711) OR SPE 661 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#SPE661) | Counseling and Helping Relationships & Counseling and Helping Relationships Lab OR Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance | 3 hrs |
| Community Engagement (Select 1 of 5) | COU 768 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#COU768) OR ECE 601 (https://www.missouristate.edu/registrar/catalog/courses_ef.htm#ECE601) OR EAD 784 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#EAD784) OR EAD 864 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#EAD864) OR SPE 781 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#SPE781) | Crisis Counseling & Disaster Mental Health Response OR Home/School/Community Relationships with Young Children & Their Families OR Multicultural Issues Involving Human Relations & Collaborative Processes OR Diversity & Community Relations OR Educational Consultation | 3 hrs |




| Course Type | Course Code | Course Title | Credit Hours |
|----------------------------------|--|---|--------------|
| Family Course (Select 1 of 5) | CFD 632 (https://www.missouristate.edu/registrar/catalog/courses_ef.htm#CFD632) OR CFD 660 (https://www.missouristate.edu/registrar/catalog/courses_ef.htm#CFD660) OR CFD 761 (https://www.missouristate.edu/registrar/catalog/courses_ef.htm#CFD761) OR ECE 675 (https://www.missouristate.edu/registrar/catalog/courses_ef.htm#ECE675) OR SPE 660 (https://www.missouristate.edu/registrar/catalog/courses_cl.htm#SPE660) | Family Advocacy OR Family Engagement OR Advanced Family Studies OR Working w/ Culturally/Linguistically Diverse Children/Families Early Childhood OR Working with Families of Exceptional Individuals | 3 hrs |



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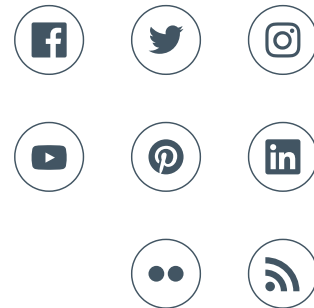
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Missouri State


Graduate College

Graduate Catalog

Department of Counseling, Leadership and Special Education

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Counseling \(MS\)](#)

[Special Education \(MSEd\)](#) 

[Educational Administration \(MSEd\)](#)

[Student Affairs in Higher Education \(MS\)](#)

Specialist programs

[Educational Administration \(EdS\)](#)

[Special Education and Assessment \(EdS\)](#)

Doctoral programs

[Educational Leadership, cooperative doctoral degree with the University of Missouri-Columbia \(EdD\)](#)

Certificates

[Autism Spectrum Disorders](#) (Certificate)

[Play Therapy](#) (Certificate)

[Comprehensive Systems of Support](#) (Certificate)

[School Counseling](#) (Certificate)

[International Perspectives in K-12 Special Education](#)
(Certificate)

[Special Education Director](#) (Certificate)

[Orientation and Mobility](#) (Certificate)

[Special Education Technology and
Innovation](#) (Certificate)

[Perspectives About the American Higher Education
System](#) (Certificate)

Accreditation

- Missouri Department of Elementary and Secondary Education – Counseling (MS), Educational Administration (MSEd, EdS) and Special Education (MSEd)
- Council for the Accreditation of Educator Preparation – Counseling (MS), Educational Administration (MSEd, EdS), and Special Education (MSEd)

Vision

The Department of Counseling, Leadership, and Special Education envisions a world in which children and adults seek opportunities for life-long learning, are confident and assured in their abilities to have a positive personal impact on the world, and serve as culturally competent citizens and leaders.

Assessment

Students in the Educator Preparation Providers (EPP) program or the College of Education will be required to purchase a subscription to Taskstream (comprehensive portfolio system).

Contact

Interim Department head

Barri Tinkler

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Room 156

Phone

417-836-5392

Fax

417-836-5997

Email

CLSE@missouristate.edu
(<mailto:CLSE@missouristate.edu>)





Website

education.missouristate.edu/CLSE
(<https://education.missouristate.edu/CLSE/>)



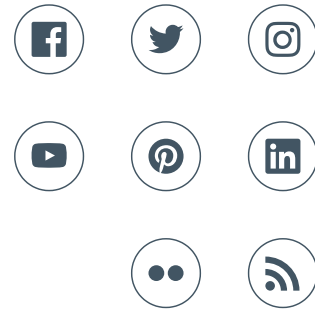


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Missouri State

Graduate College

Graduate Catalog

**Counseling, Leadership and Special
Education Graduate Faculty**

Professors

- Paul M. Ajuwon
- Angela Leslie Anderson
- Tamara J. Arthaud
- O. Gilbert Brown
- Jeffrey Cornelius-White
- Christopher J. Craig
- Linda Garrison-Kane
- Joseph F. Hulgus
- Cynthia J. MacGregor
- James Sottile

Associate professors

- Reesha Adamson
- William J. Agnew
- Megan Boyle
- Kim S. Finch
- Michele Smith
- Jon Turner

Assistant professors

- Jessica Nelson
- Denita Siscoe
- Ximena Uribe-Zarain
- Nicole West

Clinical assistant professor

- Michael Goeringer

Senior instructors

- Amelia Chenoweth
- Marci Dowdy
- Nathaniel Quinn

Instructors

- James Matthews
- Shari Scott

Adjunct, per course instructors

- Jason D. Anderson
- Denise Baumann
- Luke Boyer
- Paula D. Brown
- Don F. Christensen
- Michelle J. Clark
- Ryan DeBoef
- Heidi K. Depue
- Dennis Edwards
- Paul Ehesman
- Karla Eslinger
- Robin E. Farris
- Cathy Galland
- Diana Garland
- Susan Gettys
- Stephen G. Gilbreth
- Tracey Glaessgen
- N. Gaye Griffin-Snyder
- William B. Hackenwerth
- April J. Hawkins
- Justin L. Herrell
- Neva Hilton
- Stephen A. Johnson
- Lois M. Jones
- Kelly R. Lacara
- Brenda Jo Ledgerwood
- Ann Loethen
- Nancy McBride

- Stacey McKenzie
- Jeffrey Mitchell
- Patricia D. Orchard
- Brady Quirk
- Anthony Rossetti
- Sally A. Rowe
- Kerry B. Sachetta
- David Stephens
- Julie R. Thompson
- Jennifer Turner
- Patricia Wall

Emeritus professors

- Lonnie J. Barker, Jr.
- Imon D. Bartley
- O. Leon Bradshaw
- Ruth V. Burgess
- Harold L. Chappell
- Paris DePaepe
- Jane E. Doelling
- Paul D. Enochs
- Shirley J. Hendricks
- Kenneth C. Holloway
- C. Don Keck
- Gerald H. Moseman
- Billy D. Rippee
- Leonila P. Rivera
- Hugh L. Strawn
- Robert L. Watson
- Sandra K. Wegner
- Scott B. Wegner

- Gary E. Wilson



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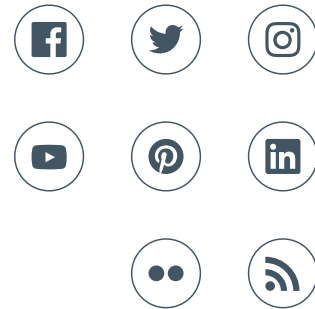
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Missouri State

Graduate College

Graduate Catalog

Counseling, Leadership and Special Education Courses

Counseling (COU) courses

COU 700 Problems in Counseling

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required. May be repeated to 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

COU 701 Assessment and Testing for Counselors

A comprehensive study of instruments for measuring psychological traits, including group devices suitable for use in elementary and secondary schools, as well as individual instruments for use in both school and community agency settings. Basic statistical concepts and common terminology related to measurement are taught as a functional part of the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 702 School Counseling Foundations and Ethics

Philosophy, organization, and practices of a counseling program in the elementary and secondary school. The school counselor's role as counselor, consultant, and coordinator, professional identity, and legal issues are included. Includes a significant focus on ethical standards and issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 703 Professional Orientation and Ethical Practice in School and Mental Health Counseling

An introduction and overview of the history, philosophy, and function of the counselor in elementary schools, secondary schools, clinical mental health settings, and other community agency settings. Includes an examination of service population characteristics and treatment needs, intervention modalities and approaches, professional identity, and related topics with a significant focus on ethical standards and issues. School counselors' various roles as counselor, consultant, and coordinator, professional identity, and legal issues are also included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 704 Introduction to School Counseling

Prerequisite: admission to Counseling Program or permission.

An introduction and overview of the foundational aspects of school counseling with a focus on the development, implementation, and evaluation of a comprehensive school counseling program in elementary and secondary schools (K-12). Includes an exploration of the leadership role of school counselors within the school setting at the elementary and secondary level (K-12).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

COU 705 Orientation to Personal and Professional Development in Mental Health and School Counseling

This course is an experience in personal and group encountering and sensitivity. Its purpose is to assist students in discovering a more complete awareness, understanding, and acceptance of themselves and others as human

beings. Primary emphasis will be upon students exploring self, values, needs, and personal characteristics. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

COU 707 Human Growth and Development

Study of child, adolescent and adult psychological development theories, normal adjustment processes, personality structure, and abnormal behavior.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 708 Play Therapy and Child Counseling Techniques

Prerequisite: admission to a Counseling program or certificate; and COU 702 or COU 703; and COU 705; and COU 710 and COU 711 or concurrently enrollment in COU 710 and COU 711; or departmental permission.

A consideration of counseling with elementary school-aged children. Emphasis is placed upon play therapy and the counseling process as it affects the educational, personal, familial, and social adjustment of children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 709 Introduction to Mental Health Counseling

This is an introductory survey course which introduces counseling students to the fundamentals of mental health counseling. Topics covered include the organization of mental health structures in the public domain, including funding mechanisms, licensing issues and processes, pertinent professional organizations, and emerging trends and opportunities in the counseling field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

COU 710 Counseling and Helping Relationships

Prerequisite: admission to Counseling program or Student Affairs in Higher Education program; and concurrent enrollment in COU 711.

Two training components are integrated to provide an intensive pre-practicum experience. The didactic component introduces basic skills of effective interpersonal communication and counseling. Participation in corequisite laboratory (COU 711) provides supervised practice in the practical application of those skills in simulated counseling interviews.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

COU 711 Counseling and Helping Relationships Lab

Prerequisite: admission to Counseling program or Student Affairs in Higher Education program.

First enrollment must be concurrent with COU 710. Designed to accompany COU 710, this lab provides an opportunity for graduate students in counseling to practice basic counseling skills in role-played sessions with live observation, video-taped review and supervisory feedback. May be repeated to 3 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 3 | Upon demand |

COU 714 Social-Cultural Diversity in Counseling

Prerequisite: admission to Counseling program or permission of instructor.

An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 716 Adolescent and Young Adult Counseling in School and Mental Health Settings

Prerequisite: admission to Counseling program.

An introduction to adolescent and young adult counseling theory designed to help students better prepare to work with adolescents and young adults in culturally diverse school and mental health counseling settings.

Emphasis is placed on relevant developmental models and the ways in which life experiences that occur during adolescence can impact early adulthood.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

COU 720 Substance Use and Addiction Issues in Counseling

Prerequisite: admission to Counseling program; and COU 708 or COU 751; and COU 710 and COU 711; or permission of the instructor.

This course provides an overview of the biological, psychological, social and spiritual dimensions of substance use and dependency. Addictive behaviors are presented as part of the continuum of mental and emotional behavior, and the course will include co-occurring diagnoses and their associated interventions for counseling professionals. This includes diagnosis, treatment planning and implications for diverse populations. An integrated combination of lecture, case study, and field activities will be used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 724 Assessment and Diagnosis

Prerequisite: admission to Counseling program; and COU 710 and COU 711.

Study of and practice in conducting clinical interviews, appraising and assessing level of functioning and mental status, and developing diagnoses of psychoemotional disorders. Includes assessment of learning and functioning of children. An introduction to counseling theories, interventions and issues in working with clients from diverse, minority and ethnic cultures. Values, beliefs and norms of various cultures, including the student's, will be examined as they pertain to the counseling process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 733 Couple and Family Counseling

Prerequisite: admission to Counseling program; and COU 710 and COU 711.

An introduction to the major theories of couple and family counseling and their associated interventions. An integrated combination of lecture, discussion, demonstration and role-lay lab sessions will be used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

COU 751 Theories and Techniques of Counseling

Prerequisite: admission to Counseling program or departmental permission.

Examination of various theoretical approaches to counseling; significance of theories in counseling practice. Overview of interventions and techniques associated with each theory. Students make an intensive investigation of a problem to be selected in counseling theory and methods. Report of the investigation required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 752 Career Development

Prerequisite: admission to Counseling program.

A consideration of the various theories of career development and their implications in counseling for vocational career development and their implications in counseling for vocational adjustment. A study of the work ethic, the labor force, and the concept of career education. Designed to give students competence in collecting and using occupational and educational information in counseling related to career development and in developing career education programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

COU 753 Analysis of Childhood Learning and Adjustment

Prerequisite: admission to Counseling program; and SPE 310 or SPE 340 or SPE 715; and COU 701.

Acquaints student with various assessment and diagnostic procedures in evaluation of learning and adjustment problems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 754 Counseling for Post-Secondary and Career Readiness K-12

Prerequisite: admission to Counseling program.

This course is designed to prepare school counselors to engage a diverse K-12 student population in early career awareness, planning, assessment, and making informed post-secondary choices crossing the spectrum of K-12, using the ASCA National Model and Missouri Comprehensive Counseling Program as a framework. Career development theories will be explored to encourage developmentally and culturally relevant application to K-12 student populations and includes a focus on work-life adjustment into advanced adult ages, including ethical implications.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Summer |

COU 756 Group Counseling and Group Work

Prerequisite: admission to Counseling program.

Acquaints counselors with group counseling theories and techniques. Includes an experiential group component.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 757 Group Counseling Through Play

Prerequisite: COU 708; and admission to Counseling program or permission of instructor.

Introduction to group therapy methods and techniques appropriate to an elementary school or mental health setting. Emphasis is placed upon foundational group therapy skills in general for all ages, and on play therapy modalities in particular, that are appropriate for elementary-age children. Groups in an elementary setting, utilizing Missouri Comprehensive Guidance and play therapy and applications to diverse populations, will be included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 765 Research and Program Evaluation Seminar in Counseling

Prerequisite: admission to Counseling program; and SFR 780 or COU 794.

The study, analysis, and discussion of special topics, including evaluation of counseling interventions, quantitative, qualitative, and mixed methods research, and practices in program evaluation and culminating in a substantial written report. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

COU 766 Psychopharmacology for Counselors

Seminar course designed to teach current and future counselors the fundamentals of psychopharmacological agents used in mental health. Students will learn the fundamentals of neuroanatomy and neurophysiology, and relevant aspects of neurochemistry. Once this foundation is formed, students will learn about the types of psychotropic medications commonly used for major mental health conditions, the nature of their actions, indications and contra-indications for use, common dosing guidelines, and side-effects and other related risks.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 768 Crisis Counseling and Disaster Mental Health Response

Prerequisite: admission to Counseling Program or permission.

An introduction to Crisis and Disaster, to the major theories and practices of crisis Intervention and Disaster Mental Health and the associated interventions throughout the Response and Recovery phases. An integrated combination of lecture, discussion, demonstration and role-play will be used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

COU 777 Counseling Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and departmental approval for practicum.

Supervised counseling experience involving work with clients from the community addressing a wide range of mental health and/or school counseling (elementary and/or secondary level) related presenting issues; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2 | 0 | 6 | Fall, Spring, Summer |

COU 778 Mental Health Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 777 with a grade of P.

Supervised clinical mental health counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2 | 0 | 6 | Fall, Spring, Summer |

COU 779 School Counseling Practicum

Prerequisite: admission to Counseling program or certificate program; and COU 777 with a grade of P.

Supervised clinical mental health counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2 | 0 | 6 | Fall, Spring, Summer |

COU 780 Secondary School Counseling Practicum

Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling with secondary school aged students and their families; observation, discussion, and evaluation of the counseling process. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

COU 781 Secondary School Counseling Internship

Prerequisite: admission to Counseling program; and COU 777 or COU 780 or COU 782 or COU 784; and either COU 778 or COU 779; and either ELE 302 or SEC 302; and department permission.

Supervised experience in secondary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 10 | Fall, Spring |

COU 782 Elementary School Counseling Practicum

Prerequisite: admission to Counseling program; and COU 708 and COU 710 and COU 714 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling with elementary school-aged children and their parents; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Spring |

COU 783 Elementary School Counseling Internship

Prerequisite: admission to Counseling program; and COU 777 or COU 780 or COU 782 or COU 784; and either COU 778 or COU 779; and either ELE 302 or SEC 302; and department permission.

Supervised experience in elementary school counseling at an approved school site. Minimum of 300 hours on-site. Students will receive individual onsite supervision, and small-group supervision from the department. May be repeated up to 9 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 10 | Fall, Spring |

COU 784 Mental Health Counseling Practicum

Prerequisite: admission to Counseling program; and COU 710 and COU 714 and COU 751 each with grade of B or better; and COU 711; and department approval for practicum.

Supervised counseling experience of clients from the community; observation, discussion, and evaluation of counseling sessions. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Upon demand |

COU 785 Mental Health Counseling Internship

Prerequisite: admission to Counseling program; and either COU 780 or COU 784; and department permission.

Supervised experiences (individual, family, group) in counseling at an approved community agency site. Minimum of 300 hours on-site. Students will receive individual supervision on-site, and small group supervision from the department. May be repeated to 9 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 787 Advanced Play Therapy Practicum

Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.

This course is designed to provide an advanced counseling experience with elementary-aged children from the community. It serves as an integrative component to extend and amplify play therapy counseling skills, theory, and techniques learned in previous practica. Emphasis is placed on scheduling clients, completing case notes, advocating for clients, weekly supervisor and evaluation of counseling sessions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

COU 788 Introduction to Supervision, Consultation and Leadership

Prerequisite: COU 710 and COU 711; and COU 780 or COU 782 or COU 784; and admission to Counseling EdS program or departmental permission.

This course is designed to address fundamental theoretical and applied aspects of clinical supervision, consultation, and leadership. Supervision addresses the theory and practice of clinical supervision in counseling and psychotherapy and provides a supervised, practical experience of doing counseling supervision in an applied setting. Consultation focuses on providing consultation services in schools and other systems. Since counselors and psychotherapists are often called upon within schools and agencies to provide leadership, the leadership component of this course surveys the literature on leadership styles, roles, and emerging trends.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

COU 789 Advanced Level: Play Therapy Supervisor

Prerequisite: admission to Counseling program; and COU 702 or COU 703; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782; or permission of instructor.

This is a course with a practicum component on-site at the Center City Counseling Clinic. The purpose of the course is to provide supervisor training in the theory and practice of supervision with master's level play therapy students to include three core knowledge areas: supervision models, theories and techniques of clinical supervision of play therapy; legal and ethical issues related to supervision; and clinical issues related to supervision.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

COU 790 Counseling Workshop

Improves skills and knowledge of counselors in specific areas. Each workshop considers a single topic in depth. 30 hours of participation equal one semester hour.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

COU 794 Introduction to Research and Program Evaluation in Counseling

Prerequisite: admission to Counseling program.

Introduction to research methods in counseling, including quantitative and qualitative methods, action research, needs assessments, and program evaluation approaches, particularly in service-delivery and educational settings. An emphasis is placed on developing an understanding of foundational research methods that will allow students to be effective critical consumers of research in counseling, identify evidence-based practices, and prepare them to design and implement sound program evaluations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

COU 795 Topics in Counseling

Individual or group class designated to address specialized topics of interest to graduate students in counseling. May be repeated to 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

COU 799 Thesis

Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

Educational Administration (EAD) courses

EAD 745 Curriculum for Elementary Principals

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 746 Curriculum for Secondary Principals

This course is designed as an intermediate level course for the study of education program development, administration and supervision in accordance with the goals and outcomes as outlined by ELCC, ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 751 Foundations of Educational Leadership

An introductory course designed for the student considering a career in educational leadership. Explores the history, basic theories, and major areas of responsibility in school leadership. EAD 751 is the first course to be taken in an administration degree program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 752 The Secondary School Principal

An examination of the leadership responsibilities of the secondary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 753 The Elementary School Principal

An examination of the leadership responsibilities of the elementary school principal. Instructional leadership, decision-making, problem solving, effective schools correlates, the change process, school culture, diversity and school improvement concepts will be emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 754 State and National School Leadership

Role and responsibilities of the local, state and federal agencies in school administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

EAD 759 Leadership Capstone

Prerequisite: EAD 788 or SFR 780.

The culminating course in the Educational Administration masters degree programs. The course results in the completion of the student's research major project; preparation and presentation of the student's graduation portfolio; and completion of departmental assessments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 768 K-12 Principalship

This course is an examination of the leadership responsibilities of the K-12 school principal for certification K-8 and 7-12. Instructional leadership, decision-making, problem solving, effective schools correlates, data analysis, accountability, the change process, school culture, diversity, and school improvement concepts will be emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

EAD 769 Curriculum Leadership for K-12 Principals

This course is designed for future K-12 principals for the study of K-12 education program development, administration and supervision in accordance with the goals and outcomes as outlined by the Professional Standards for Educational Leaders (PSEL), the Leadership Developmental System (LDS), the Missouri Leader Standards as well as the EAD Knowledge Base. The course provides a broad overview of the essential elements of K-12 educational programs including curriculum, instruction, materials, and program evaluation recommended by the various learned societies for educational administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

EAD 773 Internship for Secondary Principals-Onsite-Part I

Problem-based field experiences at the secondary level encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills, and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

EAD 774 Internship for Secondary Principals-Onsite-Part II

Prerequisite: EAD 773.

Problem-based field experiences at the secondary level encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills, and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

EAD 775 Internship Secondary Principals-Related Agencies

Problem-based field experiences with various external agencies that relate to the school administrator or supervisor (i.e. juvenile court, law enforcement, community support services, etc.)

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | | | Fall, Spring, Summer |

EAD 776 Internship for Elementary Principals-Onsite-Part I

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisor positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

EAD 777 Internship for Elementary Principals-Onsite-Part II

Problem-based field experiences encompassing building level, district level, or other specialized administrative or supervisory positions to emphasize the intern's knowledge, skills and sensitivity in working with diverse students. Students spend specified periods of time working with experienced administrative or supervisory personnel. May be repeated to a maximum of 10 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

EAD 778 Internship for Elementary Principals-Related Agencies

Problem-based field experiences with various external agencies that relate to the school administrator or supervisor (i.e. juvenile court, law enforcement, community support services, etc.)

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

EAD 780 Administration of Instructional Programs

An analysis of instructional programs and the role of the school administrator in developing learner-centered school cultures and supporting research-based instruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 781 Organizational Management

Emphasis is on basic administrative skills including fiscal management and building utilization as well as the skills and processes needed to collaboratively develop and maintain strategic plans.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 784 Multicultural Issues Involving Human Relations and Collaborative Processes

Designed to develop skills in effective interpersonal skills, written and oral communication within a diverse cultural community.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 785 Legal and Ethical Contexts of Schooling

Explores the statutory and regulatory requirements as well as the ethical implications of policy initiatives inherent in the effective operation of a school.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 786 School Supervision and Performance Enhancement

Administrative functions related to human resource management and development as well as enhancing the performance of the instructional personnel. (i.e. recruitment, selection, retention, training, supervision, evaluation of staff.)

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 787 Administration of Special Programs

Designed to provide skills to establish, administer, and supervise special education services and other student programs. Programs in the area of special education, guidance, vocational education, early childhood as well as current state and federal programs affecting education are emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 788 Action Research in Educational Leadership

Introduction to the research designs and analysis techniques of action research. Student will engage in activities designed to examine current best practices in the school setting through a methodical, research-based orientation with the ultimate goal of assessing the effect of innovative practices on a variety of school variables.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 799 Thesis

Prerequisite: EAD 788 and SFR 780.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

EAD 841 Advanced Issues in School Improvement

Designed as an advanced level course for the study of barriers to learning, strategies to reduce or eliminate those barriers, stakeholder involvement, advanced strategic planning techniques and program development, in accordance with the goals and outcomes of the I.S.L.L.C. standards and the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other I.S.L.L.C. member states. The course provides an opportunity for students to identify significant barriers to learning within an educational setting, analyze the conditions of the educational setting and take specific steps to eliminate the barriers and support student success.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 842 Modern Trends in Educational Administration

Designed as an advanced level course for the study of the larger contexts of education. Students will study state, multi-state and national trends/issues, analyze their effect upon local school programming and student learning, identify appropriate outside agencies for initiating collaborative relationships as well as identify adaptive leadership behaviors to respond to various trends/issues. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. These goals and outcomes are based upon ISLLC standards as well as the EAD Knowledge Base.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 843 School and Community Partnerships

Designed as an advanced level course for the study of establishing, nurturing and sustaining effective school-community partnership programs. Students will be exposed to content and will generate material that demonstrates the ability to develop partnerships with business, higher education and other community groups

which supplements the learning environment and supports the overall mission of the school as outlined by goals and objectives of the ISLLC standards as well as the EAD Knowledge Base. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states. The course provides a broad overview of the essential elements of educational partnership programs while working with social agencies and elementary grant writing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 844 Leadership in Professional Development

Designed as an advanced level course for the study of enhancing professional performance through effective staff development and performance enhancement efforts. Students will demonstrate the ability to collaborate professionally with staff to enhance performance and promote successful teaching and learning in accordance with the goals and outcomes as outlined by ISLLC standards as well as the EAD Knowledge BASE. The course provides a broad overview of advanced elements of supervision including national teaching standards, adult learning theory, effective staff development and use of data to inform professional development efforts. The major focus of this course is to provide the skills and knowledge appropriate to assisting the student in developing artifacts necessary for completion of his/her professional portfolio. This portfolio is needed for the renewal of the initial administrator certificate in the state of Missouri and other LSLLC member states.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 850 Politics of Education

Overview of the origins and the nature and impact of political forces surrounding and influencing schools. Students will study the increasingly complex political web of American education as well as research the continuing debate dealing with local control versus the expanding role of state and federal government. This course will help the student in educational administration analyze the various core constituencies of school politics, analyze the issues/demands made in the school community, and study the intervening variables associated with school issues as well as the decisions which must be made by school policy makers.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 858 School Personnel

This course will provide knowledge related to areas of personnel process such as: human resource planning, recruitment, selection, placement, induction, staff development, appraisal, compensation, negotiation, employment conditions, employee data, support staff, empowerment of staff, policies and procedures, and career paths.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 860 Field Study

Prerequisite: EAD 895.

This course involves the completion of field projects conducted in cooperation with a public school district or appropriate agency. Requires a formal investigation and survey of a recognized problem within a selected institution. The nature of the investigation may also be in-depth, independent research relevant to current practice in any facet of the educational process. The subject for investigation is selected by the student with approval of the advisory committee. An oral review of the project will be presented to a selected faculty committee. May be repeated but not to exceed a total of 6 hours. A maximum of 3 hours may be counted toward degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

EAD 861 Human Relations

Designed to upgrade educational leaders in human relations skills. Major focus will be on effective group processing and dynamics, understanding learning styles and cultural diversity issues, and facilitating skills for school improvement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 862 The Superintendency

Analysis and discussion relating to current problems of school management involving decision making, data processing, operations, research, work and wages, unions and management, and purchasing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 863 Curriculum Design and Evaluation

A course designed to investigate and analyze current and innovative instructional programs. Special emphasis is given to national reports on educational practices and the development of a model school of the future.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 864 Diversity and Community Relations

An examination of the various strategies involved in establishing effective internal and external communications. The responsibilities of boards of education, administrative officials, staff personnel, students, and the community will be emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 865 School Law

Constitutional statutory and case law that relates to all staff personnel, students, school district and other allied governmental units is investigated, analyzed and discussed. Special emphasis is given to the study of contracts, dismissals, tenure, retirement, pupil injuries, liability of school personnel, school district and board member's legal rights and responsibilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 866 Public School Finance

A study of school budgeting procedures, revenue and expenditure accounting, problems related to local, state and federal financing of public school operations. The Missouri Uniform Accounting System for Public Schools is utilized in the development of a major school finance project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 867 School Plant Planning and Maintenance

Designed to familiarize students with the development of master plans and educational specifications for a school facility. Attention is given to site and building evaluations, barrier-free facilities, bond issues, remodeling, energy conservation, contractor and architectural responsibilities, and equipping and maintaining school plants.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EAD 870 Specialized Topics in Educational Leadership

Designed to upgrade the school administrator or leader's knowledge and skills in specialized areas of current interest and need. Variable Content Course. May be repeated to a total of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

EAD 882 Superintendency Internship-Part 1

Problem-based field experiences at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community. Students spend specified periods of time working with experienced administrative personnel.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

EAD 883 Superintendency Internship-Part 2

Problem-based field experience at the superintendency level to emphasize the intern's knowledge, skills and sensitivity in working with diverse students, staff and community.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

EAD 884 Special Education Director Administration Internship-Part I

Designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course provides the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

EAD 885 Special Education Director Administration Internship-Part II

This is the second part of the Special Education Director of Administration internship which has been designed as a certification course for the recommendation as a Special Education Director in accordance with the goals and outcomes as outlined by ISLLC, MoSPE, as well as the EAD Knowledge Base. The course continues the broad overview of the essential elements of an internship experience in the position of a Special Education Director including the daily operation, assessment, and evaluation of student achievement/placement in appropriate educational settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

EAD 895 Research in Administrative Practice

The study of research in the field of educational administration. This course integrates research skills and professional administrative practices. Students interpret, evaluate and apply research skills enabling them to design a Field Study proposal which is required for the Specialist degree in Educational Administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Educational Leadership (EDD) courses

EDD 901 Leadership Theory and Practice

Prerequisite: admission to the Doctorate in Educational Leadership program.

Advanced study of leadership theories, concepts, and inquiry as applies to educational organizations. The course will explore leadership theories, power and authority in organizations, leader effectiveness, and

organizational reform. Emphasis will be placed on understanding leadership in organizations through application and extension of leadership theories in practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Upon demand |

EDD 902 Quantitative Methods in Educational Research I

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course focuses on types of regression analysis and includes the following topics: simple linear regression, multiple regression, and semi-partial correlation, regression with categorical variables, categorical and continuous variables within the same model, Multilevel analysis (Hierarchical linear modeling), and structural equations. The emphasis in this class is on conceptual and practical understanding, rather than on computation. Goals are for the students to: (a) understand the basic assumptions and models underlying regression analysis, (b) use a statistical analysis package to conduct regression analysis, (c) read and interpret the output from a statistical analysis package, and (d) use this output to write a results sections.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EDD 903 Leadership Inquiry II

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course is part of the statewide collaborative doctoral program. This course will emphasize a wide range of instructional methodologies, cooperative activities, problem-based learning and practical application. The students will be able to design, conduct, and report research to address problems of practice using appropriate research methodologies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

EDD 904 Content and Context of Learning

Prerequisite: admission to the Doctorate in Educational Leadership program.

Students will develop the knowledge and skills for examining, designing, and implementing school and classroom conditions that support quality learning experiences for all students and personnel. This course theme is about learning, and those issues that enhance and detract from quality learning for all. Throughout the course, participants and instructors will model optimum learning conditions and strategies. Students will be

asked to demonstrate a thorough understanding of those conditions and competencies through study, critique, development and implementation of authentic learning experiences for their colleagues. Resources to support the learning experiences will include audio-visual materials, readings, internet, and simulations. Authentic assessment will be used to determine each student's level of competence in the course content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EDD 905 Leadership Inquiry III

Prerequisite: admission to the Doctorate in Educational Leadership program.

This one hour doctoral level seminar will focus on the development of literature reviews to address problems of practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

EDD 906 Educational Leadership Inquiry IV

Prerequisite: admission to the Doctorate in Educational Leadership program.

The purpose of this advanced seminar is to deepen understanding of research by requiring students to make decisions about certain aspects of their dissertation research, following the dissertation-in-practice format. Specifically, the course will clarify the problem of practice, purpose of the study, research questions, framework, and study design. This course is also designed to provide scaffolding for the written comprehensive examination.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

EDD 907 Program Planning and Evaluation

Prerequisite: admission to the Doctorate in Educational Leadership program.

Explores the theory and practice of evaluation of educational programs including evaluation models, research methods and design strategies to measure program outcomes, especially student and school performance. In addition, skills in program planning will be developed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EDD 908 Qualitative Tools for Applied Research in Educational Leadership

Prerequisite: admission to the Doctorate in Educational Leadership program.

This course focuses on qualitative research theory, design and analysis. Students will learn how educational leaders can use qualitative research design to critically examine research questions in their practice. They will also learn to analyze educational issues and execute processes to effectively explore those issues using qualitative methods.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Student Affairs in Higher Education (SAE) courses

SAE 721 Introduction to Student Affairs

An introductory course designed for the student pursuing a career in Student Affairs. This course explores the origin, history, philosophy, theory, and practice related to the Student Affairs profession.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 723 Student Development Theory

Prerequisite: admission to the Student Affairs in Higher Education program.

Introduces the student to student development theories. A basic understanding allows the student to note application of these theories to practice. This will result in Student Affairs professional who can design approaches that work most effectively with students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 726 Higher Education in the United States

Prerequisite: admission to the Student Affairs in Higher Education program.

The historical development of American higher education will be presented. Political, social, economic, and intellectual issues will be examined from its inception to the present day for contemporary application. A focus will be on the matrix of trend, topics, and eras. An emphasis is placed on higher education in the post World War II era creating a solid background of higher education in the last 50 years.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 727 Inclusive Campus Environment

This introductory course will examine the issues, concepts, and problems that contribute to the discourse on creating and sustaining inclusive campus environments at institutions of higher education (IHEs), especially at traditional majority white institutions (TWIs). Definitely, there is not a universal pathway toward creating and sustaining inclusive campus environments. The institution's mission, culture, and traditions play a major role in shaping the context of inclusive campus environments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 728 Individual and Group Support Skills

Prerequisite: admission to the Student Affairs in Higher Education Program.

The individual purpose of this class is to help emerging Student Affairs professionals strengthen and expand their capacity to help individual undergraduates and small groups of undergraduates remove barriers which impact student success as measured in degree attainment within institutions of higher education (IHEs). Emerging professionals with sound personal foundations and boundary spanning skills are able to partner with individuals and small groups of students who may be different. The differences may include many dimensions of diversity, including factors such as race ethnicity, gender, differential ability, and sexual orientation. Student Affairs professionals will demonstrate competence in using helping skills (listening, paraphrasing, group facilitation, and problem solving) to work with individuals and small groups in the university environment. Thus, the class will provide students through lecture and experimental learning the opportunities to acquire and practice helping skills in a safe environment. The anticipated outcome of the class is that students will acquire an advanced capability in helping students and small groups remove barriers to their academic success/degree attainment. Thus, the class seeks to align the curricular and application practices with ACPA/NASPA Personal Foundation, Helping, and Equity, Diversity and Inclusion Competencies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 729 Foundations of Research

Prerequisite: admission to the Student Affairs in Higher Education program.

Students will acquire and use research methods skills. These skills will be put to use in preparing a research proposal, reviewing empirically-based journal articles, formulating hypotheses, designing observational studies, and analyzing and interpreting data.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 732 Leadership and Administration in Higher Education

Prerequisite: admission to Student Affairs in Higher Education program.

Students will be provided with the opportunity to develop a firm working concept of leadership theories and principles. Upon completion of the course, students should be able to identify and discuss the role of leadership in student affairs, and be able to apply those leadership principles to activities in their job.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 735 Governance and Finance in Higher Education

Prerequisite: admission to the Student Affairs in Higher Education program.

Exposure of the student to theoretical and applied concepts of governance and finance structures in higher education. Emphasis will be on organizational structures, financial operations, terminology, successful administrative/management practices, and models prevalent in higher educational settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 738 Legal and Ethical Issues in Student Affairs

Prerequisite: admission to the Student Affairs in Higher Education program.

Introduction to the basic and current legal and ethical concepts that face American colleges and universities today. Topics to be discussed include the basis from which higher education law is formed; current case, state, and regulatory laws; personnel issues; and risk management and liability issues for higher education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SAE 747 Supervised Practice

Prerequisite: admission to the Student Affairs in Higher Education program.

Students will earn academic credit for completion of two practica working in Student Affairs departments. Knowledge accumulated in coursework will be applied to the work setting. Experiences are cooperatively planned and guided by university personnel. May be repeated one time for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 748 Special Projects: Reflective Moments in Higher Education and Student Affairs

Prerequisite: admission to the Student Affairs in Higher Education program or the Perspectives about the American Higher Education System graduate certificate.

The primary objective of this class is to provide students who are full-time employees at either MSU or area institutions an alternative to the traditional 6-hour supervised practice requirement that most cohort students complete through SAE 747, Supervised Practice. Similar to SAE 747, Supervised Practice, students will complete two sections of the class (6 hours) distributed over two semesters. Under the direction of the instructor, students will complete an extensive seminar/degree paper that enhances the student's graduate program portfolio requirement. May be repeated one time to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

SAE 749 Student Outcomes

Prerequisite: admission to the Student Affairs in Higher Education program.

Fostering undergraduates' success inside and outside of the classroom is a byproduct of academic and student affairs collaboration. The aim of the course is to help new professionals understand the outcomes of student

SUCCESS.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 755 Topical Seminar

Prerequisite: permission of SAE Program Director.

This seminar seeks to provide students a curricular structure to assimilate emerging professional development practices in higher education and student affairs. Course will not count toward SAE degree requirements.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Summer |

SAE 766 Research Methods and Data Analysis

Prerequisite: admission to the Student Affairs in Higher Education program.

This course provides a review of the most commonly utilized research designs and methods and approaches to data analysis and reporting in Student Affairs. Students will learn how to utilize research studies in the academic and professional literature and how to prepare research proposals and conduct research within a college or university setting. Students completing the course should have an understanding of the factors which influence research quality, including reliability, validity and the use and misuse of statistics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

SAE 767 Assessment and Evaluation

Prerequisite: admission to the Student Affairs in Higher Education program.

This course provides a "hands-on" approach to assessment and evaluation of individual and program outcomes in Student Affairs, focusing on how to measure change in student knowledge, skills and behaviors and the effectiveness of programs in producing outcomes. The course will also address the relationship of assessment and evaluation to: strategic, division and program planning; benchmarking and program review; and the preparation of grant proposals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SAE 771 Capstone Seminar

Prerequisite: admission to Student Affairs in Higher Education program.

This professional seminar is designed to promote the integration of the core curriculum and practitioner experiences of the master's program in student affairs administration, and to prepare students for the transition to a professional Student Affairs position following completion of the degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

Special Education (SPE) courses

SPE 602 Early Intervention for Young Children with Autism

Prerequisite: permission of instructor.

This course constitutes the second and last segment of the Missouri Autism Institute for educators who are, or will be, working with young children birth to age six who experience symptoms of autism. May be taught concurrently with SPE 502. Cannot receive credit for both SPE 502 and SPE 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

SPE 604 In-District Autism Consultant Training

Prerequisite: current Missouri teaching certification or permission of department head.

Students will study advanced educational techniques of autism in general and educational methodologies specifically used with children with autism. Instruction will be provided in consultation and collaboration techniques. Students will demonstrate competence in educational report writing and in-service instruction. Personal professional development plans will be developed by each student, as well as a rating of personal competence. Students will be provided with resources for further study. May be taught concurrently with SPE 504. Cannot receive credit for both SPE 504 and SPE 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

SPE 605 Braille Reading and Writing I

Prerequisite: permission of instructor.

This online course has been designed to enable teachers of children and youth with visual impairments develop basic competencies in reading and writing literary Braille, prepare correctly formatted Braille material, and have an awareness and basic understanding of the Nemeth codes for math and science for students grades K-12. Students will employ the use of the Perkins Braille Writer, slate and stylus, Perky Duck, and Duxbury translation software to produce high quality Braille material. Successful completion of this course should be regarded as only one step in a series of courses leading to certification in teaching students with visual impairments. An approved certification process must be completed in order to acquire basic and necessary competencies for work with children and youth with visual impairments. Finally, the course has been designed to help teachers develop an appreciation for the Braille system and the application of this system to all aspects of life for individuals with visual impairments. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Students must complete SPE 505 and SPE 611 to achieve mastery of literary Braille code. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 505. Cannot receive credit for both SPE 505 and SPE 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SPE 606 Principles of Orientation and Mobility

Prerequisite: permission of instructor.

This online course focuses on the history, philosophy, and ethics of orientation and mobility. Participants will also consider various consumer driven approaches in orientation and mobility. The course will give the teacher of the visually impaired the ability to perform and monitor basic techniques of orientation and mobility as used by students who are blind, visually impaired, or multi-handicapped. Students will be required to create a video record of their blindfold and other sensory experiences to illustrate their skill development. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 506. Cannot receive credit for both SPE 506 and SPE 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

SPE 607 Services and Diversity in Blindness and Low Vision and Additional Disabilities

Prerequisite: permission of instructor.

An introduction to educational programs and services, and diversity issues for persons with blindness or low vision, deaf-blindness and multiple disabilities. This course will provide teachers, paraprofessionals, rehabilitation professionals, counselors, social workers, psychologists, etc. with a foundation in the issues of diversity for persons with blindness and low vision, historical perspectives, developmental characteristics, resources, and legislation related to severe and multiple disabilities. An emphasis will be placed on the implications of blindness or low vision, deaf-blindness and multiple disabilities on the development of the

individual and on resources that enhance functioning. May be taught concurrently with SPE 507. Cannot receive credit for both SPE 507 and SPE 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

SPE 608 Low Vision, Anatomy and Physiology of the Eye

Prerequisite: permission of instructor.

This online course will introduce teachers, rehabilitation specialists and others to practical applications of low vision techniques. The students will use low vision simulators to perceive, integrate and react to different environmental stimuli. Sections of the course will involve clinical low vision examinations. Analysis and application of the fundamental principles and theory of sensory information acquisition by the visually impaired or blind as it applies to the classroom teacher will be stressed. Also, the course will address a full array of eye diseases and conditions and the educational implications. Note: Midterm and final examinations will be proctored. May be taught concurrently with SPE 508. Cannot receive credit for both SPE 508 and SPE 608.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SPE 613 Physical and Health Needs of Students with Disabilities

Prerequisite: SPE 715.

Focuses on the role of the special educator in management of health related issues such as monitoring medication and providing services to individuals with specialized self care needs and those with chronic illness. Emphasis will be placed on collaboration with related services staff and medical personnel as well as the integration of the student with health care needs into school and community settings. May be taught concurrently with SPE 510. Cannot receive credit for both SPE 510 and SPE 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SPE 616 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings

Prerequisite: admission to the Special Education program or Early Childhood Special Education program.

Focuses on the foundational principles of applied behavior analysis. Emphasis will be placed on the development of positive behavior support plans that proactively assist students with challenging behavior in applied and/or school settings. May be taught concurrently with SPE 515. Cannot receive credit for both SPE 616 and SPE 515.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 617 Direct Instruction in Reading and Language Arts

Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792.

Empirically based instructional practices with emphasis on systematic development of reading and written language skills to support learners with special needs will be applied in a school setting. Students will also gain knowledge of varied theoretical perspectives and instructional approaches including validated behavioral and cognitive based methods that support diverse learners. The content of the course will include activities to support determination of present level of performance and placement in special and general education curricula per IDEA and other Federal mandates. May be taught concurrently with SPE 517. Cannot receive credit for both SPE 517 and SPE 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

SPE 618 Application of Applied Behavior Analysis and Interventions in Applied Settings

Prerequisite: SPE 515 or SPE 616.

This course focuses on the application of principles of Applied Behavior Analysis within school-based settings. Students will complete functional assessments with children with ASD and develop and implement function- and reinforcement-based interventions. A minimum of 60 hours of field experience is required. May be taught concurrently with SPE 516. Cannot receive credit for both SPE 516 and SPE 618.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

SPE 619 Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners

Prerequisite: SPE 310 and SPE 320 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616 or concurrent enrollment; and admitted to MSED program in Special Education.

Focuses on the application of theoretical perspectives and research-based methods of teaching students with learning disabilities or emotional and behavior disturbances. Evaluation procedures appropriate to analysis of academic achievement, social behavior, monitoring achievement, and behavioral change will be emphasized along with educational programming that promotes increasing achievement levels, improved social development, and inclusion. This course will incorporate elements of career/vocational education and transition, plus accommodations and best practices for content-area instruction provided to diverse learners in the general education program. May be taught concurrently with SPE 519. Cannot receive credit for both SPE 519 and SPE 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 620 Practicum-Teaching Individuals with Learning and Behavioral Disorders

Prerequisite: concurrent enrollment in SPE 619; and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with learning disabilities and behavioral disorders. Students will be involved in individual and small group instruction, review diagnostic data, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 520. Cannot receive credit for both SPE 520 and SPE 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Upon demand |

SPE 621 Methods II: Functional Living Skills and Health Issues

Prerequisite: SPE 320 and SPE 322 or SPE 715; SPE 345 or SPE 782; and SPE 346 or SPE 792; and SPE 515 or SPE 616 or concurrent enrollment in SPE 515 or SPE 616; and admitted to MSED Special Education program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., intellectual disabilities, autism, cerebral palsy) who may have associated orthopedic and health impairments (e.g., ADHD and epilepsy). Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation, accommodations, and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 521. Cannot receive credit for both SPE 521 and SPE 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 622 Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments

Prerequisite: concurrent enrollment in SPE 621 and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply skills from introductory and specialized courses in settings with students with developmental disabilities (e.g., mental retardation, autism, Asperger syndrome, cerebral palsy) and orthopedic and health impairments (e.g., ADHD, epilepsy). Students will be involved in individual and small group instruction, develop and implement educational programs, as well as meet with the university supervisor and other practicum students to reflect on experiences. May be taught concurrently with SPE 522. Cannot receive credit for both SPE 522 and SPE 622.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 2 | 0 | 4 | Upon demand |

SPE 623 Curriculum and Methods in Early Childhood Special Education

Prerequisite: SPE 310 or SPE 715; and admission to MEd in Special Education or Elementary Education or Early Childhood Special Education, or MS in Early Childhood and Family Development, or permission of department head.

Focuses on major aspects in early childhood special education including legislation, litigation, and current issues in the field. Each area of development of young children with disabilities will be a part of the course with particular emphasis on adaptation of materials and curricula to meet the needs of these children. There will also be a focus on families and issues surrounding assessment and eligibility for special education programs. Reflection on current practices and services for young children with disabilities will be included. May be taught concurrently with SPE 523. Cannot receive credit for both SPE 523 and SPE 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Upon demand |

SPE 625 Introduction to Teaching and Assessing Students with Autism Spectrum Disorders

Prerequisite: permission of instructor.

This course will support individuals across various disciplines who wish to gain knowledge of identification and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and programming issues for this population of individuals. This course will also emphasize school based interventions that are validated by research. May be taught concurrently with SPE 525. Cannot receive credit for both SPE 525 and SPE 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
|---------------------|------------------------------|--------------------------|--------------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 626 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders

Prerequisite: SPE 515 or SPE 616; and SPE 516 or SPE 618.

This course focuses on the application of principles of Applied Behavior Analysis within applied settings. Students will complete functional assessments, including functional analysis, with children with ASD and develop and implement function- and reinforcement-based interventions, with a focus on the variations of differential reinforcement. A minimum of 60 hours of field experience is required. May be taught concurrently with SPE 526. Cannot receive credit for both SPE 526 and SPE 626.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

SPE 627 Research-Based Strategies for Individuals with ASD

Prerequisite: SPE 618 or SPE 625 or equivalent.

This course is designed to provide students with an overview of current research-based practices for individuals with ASD, including functional communication training, discrete trial training, pivotal response training, visual strategies, social-communication programming, and naturalistic and structured teaching methodologies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

SPE 640 International Experiences in K-12 Special Education - Study Away

Prerequisite: SPE 310 or SPE 340 or SPE 715, or concurrent enrollment.

This course involves a field-based study away experience involving an investigation of special education practices in other cultures while living and studying in an international location. The course will involve a study of basic language and cultural norms of the international location prior to travel to the site. Students will gain a greater understanding of the language, culture, K-12 regular education, and K-12 special education practices in the international site, as compared to required K-12 special education practices in the United States. May be taught concurrently with SPE 540. Cannot receive credit for both SPE 640 and SPE 540. May be repeated to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

SPE 650 Career/Vocational Education and Transition

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Legislation and process pertaining to transition services for individuals with disabilities will be emphasized. Students will explore vocational service delivery options and the role of the multidisciplinary team in the development and implementation of appropriate life skill programming across the age span. May be taught concurrently with SPE 550. Cannot receive credit for both SPE 550 and SPE 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

SPE 656 Topical Issues in Special Education

Prerequisite: permission of instructor.

To develop understanding and skills in relevant areas of special education. Each offering concerns a single topic. Number of class hours determined by semester hours of credit. May be repeated to a maximum of 5 hours when topics change. Variable Content Course. May be taught concurrently with SPE 556. Cannot receive credit for both SPE 556 and SPE 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

SPE 660 Working with Families of Exceptional Individuals

Recommended Prerequisite: SPE 715. The relationship between families of children with special needs and various agencies is a central theme of this course. Techniques for working with a variety of families will be explored along with the impact of many ecological factors on families of students with disabilities. May be taught concurrently with SPE 560. Cannot receive credit for both SPE 560 and SPE 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

SPE 661 Methods of Teaching Individuals with Behavior Disorders/Emotional Disturbance

Prerequisite: concurrent enrollment in SPE 491; and Teacher Certification students must be admitted to Teacher Education Program.

This course will focus on application of theoretical perspectives and research-based methods of teaching students with emotional and behavior disturbances. Evaluation procedures appropriate to analysis of social behavior and monitoring behavioral change will be emphasized along with educational programming that promotes social development and inclusion. May be taught concurrently with SPE 581. Cannot receive credit for both SPE 581 and SPE 661.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Spring |

SPE 662 Methods of Teaching Individuals with Learning Disabilities

Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 492; and Teacher Certification students must be admitted to Teacher Education Program.

Students will apply theoretical perspectives and research based methods in the development of diagnostic reports and educational plans for students with Learning Disabilities. Emphasis will be placed on the educator as a collaborator and advocate for provision of services in integrated settings; and on the educator as a specialist in evaluation, curricular accommodation, and modification. May be taught concurrently with SPE 582. Cannot receive credit for both SPE 582 and SPE 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall |

SPE 663 Methods of Teaching Individuals with Mental Retardation/Developmental Disabilities

Prerequisite: SPE 345 and SPE 346; and concurrent enrollment in SPE 493; and Teacher Certification students must be admitted to Teacher Education Program.

The course will stress application of theoretical perspectives and research-based methods for individuals with mental retardation and developmental disabilities. Students will conduct an analysis of assessment data, apply data in the development of diagnostic conclusions and corresponding educational plans. Emphasis will be placed on evaluation and programming for integration in school, community, and vocational settings. May be taught concurrently with SPE 583. Cannot receive credit for both SPE 583 and SPE 663.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

SPE 664 Language Development of Exceptional Students

Prerequisite: SPE 345 or SPE 782; and SPE 346 or SPE 792; and admitted to MSED program in Special Education.

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are culturally and ethnically diverse, will be addressed. May be taught concurrently with SPE 584. Cannot receive credit for both SPE 584 and SPE 664.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SPE 667 Introduction to the Education of Students with Behavior Disorders

Prerequisite: SPE 310 and Teacher Education students must be admitted to Teacher Education Program.

Students will acquire knowledge of identification, classification, diagnostic, and educational planning procedures based on the predominant conceptual models. Required for certification as teacher of students with behavior disorders. May be taught concurrently with SPE 587. Cannot receive credit for both SPE 587 and SPE 667.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SPE 670 Approaches in Mainstreaming Exceptional Students

Prerequisite: SPE 310 or SPE 340 and Teacher Certification students must be admitted to Teacher Education Program.

Application of methods for modifying instructional materials and curriculum to help special education and regular classroom teachers meet the demands of mainstreaming. May be taught concurrently with SPE 590. Cannot receive credit for both SPE 590 and SPE 670.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 671 Clinical Practicum in Special Education

Prerequisite: permission of instructor.

This course is open to professionals with teaching certification or students pursuing a minor requiring credit hours in addition to SPE 491, 492, or 493. Students will collect data, develop and implement individual educational programs, and submit an extensive written report. Assignments will be based on area of certification. In addition, this course is utilized for credit hours toward an Internship in Orientation and Mobility and Internship in Visual Impairment. See instructor for specific requirements. May be taught concurrently with SPE 591. Cannot receive credit for both SPE 591 and SPE 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SPE 709 Methods of Teaching Students with Visual Impairments and Multiple Disabilities

Prerequisite: permission of instructor.

This online course is one of six courses offered to provide prospective teachers of children and youth with visual impairments (including those with multiple disabilities) competency-based training for work with this population in K-12 schools. Provides students with the pedagogical preparation to effectively teach Braille reading and writing, organize activities to promote literacy development, utilize assistive technology (including voice output and other computer based applications), teach compensatory skills and strategies for mathematics, development of listening skills, as well as other instructional adaptations for the curricular areas of language arts, science, and social studies. In addition, the course focuses on the teaching of social skills needed for success in education and employment. Participants will demonstrate the ability to assess, adapt, evaluate and teach academic subjects and specialized curricula for students with visual impairments, including those with multiple disabilities. Note: midterm and final examinations will be proctored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SPE 710 Problems in Special Education

Major issues in the field of special education designed to meet individual student needs. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SPE 711 Braille Reading and Writing II

Prerequisite: SPE 505 or SPE 605.

This advanced, online course in Braille reading and writing will focus on competencies in reading and writing literary Braille and the Nemeth Codes for science and mathematics. Participants will also demonstrate the ability to teach basic assistive devices, and to provide instruction in tactile graphics. An introduction to the transcription in Braille code for music and foreign languages will also be presented. Instructor and/or site based facilitators will provide monthly face to face instruction to students whenever possible. Note: midterm and final examinations will be proctored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SPE 712 Instructional Techniques and Strategies of Orientation and Mobility

Prerequisite: SPE 506 or SPE 606; and SPE 508 or SPE 608.

Provides participants with the techniques and strategies used by individuals who are blind or visually impaired for independent orientation and mobility. Participants will apply the strategies of orientation and mobility techniques while using blindfolds and low vision simulators. The application of skills will be completed in indoor environments as well as residential, business, rural, and commercial areas.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 6 | 0 | Summer |

SPE 714 Professional Issues and Assessment in Orientation and Mobility with Diverse Populations

Prerequisite: SPE 505 or SPE 605; and SPE 506 or SPE 606; and SPE 508 or SPE 608; and SPE 712.

This online course will provide participants with the overall philosophy of orientation and mobility including: the Code of Ethics and Certification standards. Current literature and issues pertinent to the profession of orientation and mobility will be discussed. This will include issues impacting programming with students with multiple disabilities, the development and administration of an effective orientation and mobility instructional program, assessment procedures, and research approaches. Note: midterm and final examinations will be proctored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SPE 715 Foundations in Special Education

Focuses on legislation and litigation in the area of Education and Special Education and will include an overview of categorical disabilities including identification, etiology, and prevalence. The integration of individuals with disabilities across educational and community settings will be stressed along with an overview of programming validated to support specialized populations including those with disabilities and cultural and linguistic differences. In addition, the course will focus on strategies to support individuals identified as gifted as well as individuals identified at risk for school failure.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

SPE 717 Methods of Teaching Mathematics to Exceptional Individuals

Prerequisite: SPE 310 or SPE 715; and SPE 345 or SPE 782; and SPE 346 or SPE 792; and admission to graduate program in Special Education.

The focus of the course will include accommodating individual differences and diversifying instruction in the area of mathematics. Students will develop performance based assessment procedures, conduct error analyses, and apply mathematics skills in program planning for the diverse learner. Cannot receive credit for both SPE 450 and SPE 717.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 730 Health, Functional, and Psychosocial Aspects of Disability

Prerequisite: permission of instructor.

This course presents an interdisciplinary approach to the study of disability in education and rehabilitation. It includes information on disabilities such as traumatic brain injury, orthopedic, neuromuscular, sensory, learning, cardiovascular, psychiatric, and other selected disabilities and health conditions, including multiple disabilities. Emphasis is placed upon the characteristics of disabilities and resulting functional effects on persons with additional emphasis on the effects of multiple disabilities. This course also provides an understanding of the psychosocial and environmental factors that impact the integration into society by individuals with disabilities. It examines the philosophy of rehabilitation, major classifications and paradigms, common stereotypes, personal and societal attitudes and measurement, theories of adjustment, psychosocial losses, issues relating to sexuality, personal adjustment training, the role of the family, and the use of effective interaction skills. This course is offered online.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

SPE 733 Methods of Teaching Independent Living Skills to Persons with Blindness or Low Vision

Prerequisite: permission of instructor.

Introduction to methodologies, concepts, and techniques to teach persons with blindness or low vision the skills and knowledge needed to function independently in diverse settings. This course provides learners with instruction and laboratory practice in methodologies for teaching skills for independent living, including areas within the expanded core curriculum. Topics include: concept and motor development, spatial organization and orientation, personal management, home management, medical management, communication, and recreation and leisure.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

SPE 740 Verbal Behavior

Prerequisite: SPE 515 or SPE 616; and SPE 516 or SPE 618; and SPE 625; and SPE 627; or permission of instructor.

This course focuses on Skinner's analysis of language, specifically the major verbal operants (mands, tacts, and intraverbals). Students will learn contemporary methods of assessing and teaching verbal behavior utilizing Skinner's analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 750 Practicum in Blindness and Low Vision

Prerequisite: SPE 605 and SPE 606 and SPE 607 and SPE 608 and SPE 709 and SPE 711; and permission of instructor.

This course serves as a supervised internship for working with children with blindness or low vision, including those with multiple disabilities and/or linguistic or cultural differences, under a Cooperating Teacher of Children with Visual Impairments and University Supervisor. Students observe, teach, and participate in professional activities in teaching children with blindness or low vision. Students work with individuals or groups during which they are provided the opportunity to apply principles and methods of teaching children with blindness or low vision, including those with additional disabilities. Students also acquire behavior management, instructional

planning, and evaluation strategies. Variable credit hour course. Number of contact hours determined by semester hours of credit. May be repeatable up to 8 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-8 | | | Upon demand |

SPE 760 Internship-Orientation and Mobility

Prerequisite: SPE 606 and SPE 608 and SPE 712 and SPE 714 or concurrent enrollment in SPE 714; and admitted to the Special Education/Orientation and Mobility program; and permission of instructor.

This course requires a supervised internship experience in an organization or school that serves individuals with blindness or low vision, during which the opportunity is provided for practical application of principles and methods of instruction in orientation and mobility; including techniques of safe, and independent travel. Completion of 350 hours of supervised fieldwork by a certified orientation and mobility specialist (COMS).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Fall, Spring |

SPE 776 Cognitive Behavioral Strategies for Children and Adolescents with Autism

Prerequisite: SPE 515 or SPE 616; SPE 525 or SPE 625, or permission of instructor.

This course will focus on cognitive and behavioral research-based practices for children and adolescents with Autism Spectrum Disorders. Specific focus will be on the social learning deficits in Autism and how the executive functioning and theory of mind are impacted.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 777 Advanced Readings in Autism and Behavior Analysis

Prerequisite: permission of instructor.

Students will critically evaluate peer-reviewed behavior-analytic research and develop modifications of procedures reported in research for use in their desired or current area of practice, specifically related to autism spectrum disorders. Empirical research on advanced topics in behavior analysis will be identified, and students will critique experimental methodology and evaluate the extent to which methods and results answer experimental questions. Students will also learn to locate high-quality research on topics related to their area of

practice. Class discussions will require a high degree of student participation and the course will be writing intensive.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 779 Application of Technology in Special Education

Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education.

This course is designed to provide teachers with an in depth treatment of the research, theory, and application of computers and related technologies in the instruction of children and adults with learning, behavior, sensory, motor and communication disabilities. Students will incorporate the principles of reflective practice as it pertains to the assessment, selection of devices, and evaluation of assistive technologies for individuals with disabilities. The General Learning Outcomes 5, 9, and 10 presented in the Conceptual Framework of the Educator Preparation Provider (EPP) are the over arching tenets which guided the development and ongoing revisions to this course. Students acquire competencies related to the use of assistive devices and emerging technologies through participation in a 60 hour comprehensive field based experience in conjunction with schools and other agencies which serve individuals with disabilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

SPE 780 Impact of Contemporary Issues and Diversity in Special Education

Prerequisite: permission of instructor.

Analysis of trends, issues, and research in the field of special education will be reviewed and discussed. A comprehensive overview of local, state, and federal legislation and the impact on our public school special educational programs for children with disabilities will be discussed and analyzed. A focus on diversity aspects involved in contemporary issues in special education and disability services will be addressed across all topics. Historical and current litigation involving children with disabilities will be reviewed and discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

SPE 781 Educational Consultation

Prerequisite: admission to the graduate program in Special Education.

Seeks to develop students' skills in collaboration consultation. Emphasis will be placed on the development of innovative service delivery options, personnel training, and development of communication skills. Students will apply theory to practice in a field experience.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

SPE 782 Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities

Prerequisite: SPE 310 or SPE 340 or SPE 715; and admission to the graduate program in Special Education or Early Childhood Special Education.

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in clinical field experiences involving standardized and performance evaluation typically administered to identify students with special needs, analysis and synthesis of assessment data in clinical staffings, analysis of data for on-going progress monitoring, and development of individualized educational programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Fall, Spring |

SPE 783 Advanced Assessment to Support Individuals with Developmental and Sensory Disabilities

Prerequisite: permission of instructor.

Students will observe and participate in a variety of assessment and multidisciplinary team activities. Development of leadership skills will be stressed through participation in field experiences involving norm referenced and curriculum based evaluation of individuals with various sensory and developmental disabilities. Analysis and synthesis of assessment data in clinical staffings and development of individual educational plans will be required. Students enrolled in this course should have prior knowledge of assessment including administration, scoring, and interpretation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

SPE 784 Advanced Procedures in Teaching Students with Mild to Moderate Disabilities

Prerequisite: SPE 780 and SPE 782 and SPE 792; and SPE 616 or PSY 614.

Recommended Prerequisite: SPE 517 or SPE 617. The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula appropriate to the needs of individuals with mild to moderate disabilities. Emphasis will be placed on the philosophical basis of curricula as well as principles of curricula design. Students will apply knowledge and skills in 60 hours of required field experiences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

SPE 785 Advanced Procedures in Development Disabilities

Prerequisite: admission to the graduate program in Special Education; and SPE 783.

The primary purpose of the course is to provide students with the knowledge and skills necessary for development and application of curricula and methods appropriate to the needs of individuals with mental retardation and other developmental disabilities. Emphasis will be placed on the empirical basis of the procedures and on life referenced programming. Students will apply knowledge and skills in field based activities supervised by the instructor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

SPE 787 Advanced Behavioral Analysis and Intervention

Prerequisite: admission to the graduate program in Special Education or permission of instructor; and SFR 780 and SPE 616 and SPE 780 and SPE 782 and SPE 792.

Study of human behavior. The goal of applied behavior analysis is to seek understanding and improvement of human behavior. The goals of this class is to prepare graduate students to be contributing professionals in the area of applied behavior analysis; specifically, to become reflective behaviorists. Students will learn to identify, measure, and record the occurrence and nonoccurrence of behavior. Students will be expected to implement applied behavioral strategies and learn how to evaluate the success of single-case designs as part of a minimum 60 hour field experience.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SPE 788 Research Seminar in Special Education

Prerequisite: admission to the graduate program in Special Education or permission of instructor; and SFR 780; and SPE 619 and SPE 621 or SPE 709; and SPE 780 and SPE 782 or SPE 783.

An in-depth study of a chosen topic in special education leading to the guided development and completion of an extensive research paper or major creative work as directed by the instructor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

SPE 789 Student Teaching-The Exceptional Child

Prerequisite: permission of instructor.

Student observes, teaches, and/or participates in student teaching activities in Special Education under the direction of a cooperating supervisor and University supervisor. Students will work with individuals or groups demonstrating effective teaching and behavior management techniques, as well as expertise in instructional planning and evaluation. Students must complete required special education program assessments and Missouri Department of Elementary and Secondary Education assessment as identified by the instructor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Upon demand |

SPE 790 Educational Workshop

Workshop to upgrade understandings and skills concerned with the improvement of elementary or secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 5 hours. 30 clock hours equal 1 semester hour.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

SPE 791 Clinical Practicum for Individuals with Autism and Challenging Behavior

Prerequisite: SPE 525 or SPE 625; and SPE 516 or SPE 618; or permission of instructor.

This course will involve supervised clinical settings with individuals with Autism and challenging behaviors. Students will conduct a variety of assessments, including functional behavioral assessments, curriculum-based measurements, and social skills profiles. Students will also develop and/or implement research-based strategies with individuals with Autism. Finally, students will participate in a multidisciplinary assessment model to include

families and professionals from a variety of disciplines. Students will be required to prepare written reports of professional quality with results of assessments and research-based recommendations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

SPE 792 Advanced Diagnosis and Remediation of Students with Disabilities Lab

Prerequisite: admission to the graduate program in Special Education or Early Childhood Special Education; and concurrent enrollment with SPE 782 or SPE 783.

Students will conduct standardized and informal assessments in the field as part of a 60 hour practicum/lab experience and develop a comprehensive case history. Emphasis will be placed on development of validated educational programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Spring |

SPE 799 Thesis

Prerequisite: admission to the graduate program in Special Education or Applied Behavior Analysis; and SFR 780 and SPE 780 and SPE 787 and SPE 789; and SPE 782 or SPE 783; and SPE 784 or SPE 785.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

SPE 886 School Psychological Examiner Practicum

Prerequisite: SPE 782 and SPE 787 and SPE 792 and PSY 720, or departmental permission.

Supervised practicum in the administration and interpretation of individual achievement tests, individual intelligence tests, formal and informal diagnostic procedures and diagnostic interviewing techniques in educational or clinical settings. Focus of the course will be on the formation of eligibility determinations using traditional and contemporary models of diagnostic decision-making, including Multi-Tiered Systems of Support and/or Response-to-Intervention, and on the development of instructional plans or IEPs from diagnostic data attained. Graded Pass/Not Pass only.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |



Missouri State

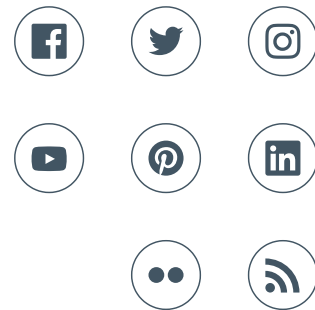
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Program description

The Counseling program grants the Master of Science degree in Counseling with options in school counseling and clinical mental health counseling. Students interested in public school settings must either have a valid Missouri teaching certificate, or complete additional teaching course work, to be eligible for state certification as professional school counselors. The School Counseling (SC) option program requirements fulfill the professional counseling course requirements for both elementary (K-8) and secondary (7-12) school counselor certification in the State of Missouri. The Clinical Mental Health (CMHC) counseling option requirements fulfill the professional counseling course work requirements for licensure as a Licensed Professional Counselor (LPC) in the State of Missouri (The LPC also requires 3000 hours of additional post-master's supervised experience). Students who elect to complete either the School Counseling option may also meet the education requirements to apply for LPC licensure.

In accordance with standards set forth by the Council for Accreditation of Counseling and Related Educational Programs (CACREP), the foundational knowledge required of counselors is arranged in the following eight common core areas:

1. **Professional Counseling Orientation and Ethical Practice**
2. **Social and Cultural Diversity**
3. **Human Growth and Development**
4. **Career Development**
5. **Counseling and Helping Relationships**
6. **Group Counseling and Group Work**
7. **Assessment and Testing**
8. **Research and Program Evaluation**

The graduate programs in Counseling further the public affairs mission of Missouri State University in many ways. Some examples include: providing over a dozen intentional activities to foster cultural competence, including several cross-cultural experiences; engaging the community through service-learning practicums in the City Center Counseling Clinic, internships and other means; and offering courses in ethics and leadership and opportunities for leadership roles.

Graduate Counseling Program Admission requirements

Admission to the Counseling program is selective. Minimum admission requirements and application materials include the following.

1. Completed Bachelor's degree from an accredited institution.
2. Cumulative undergraduate GPA of 2.75 or higher, or 3.00 for the last 60 hours of course work.
3. Completed Application for Graduate Admission.
4. Completed Counseling Admission Application.

5. Official MAT or GRE test score reports (no cutoff scores).
6. Three letters of reference, on department forms.
7. Two official copies of transcripts showing your bachelor's degree and any course work taken since then (transcripts must include the last 60 hours of credit).

Applications will be reviewed by a committee of faculty, and a subset of applicants, selected upon the basis of credentials and references, will be invited for an interview on campus, after which applicants will be selected for admission. Applicants will be ranked by the admissions committee and selected applicants will be invited for admission into either the CMHE or SC program options.

We have moved to a cohort system to allow students to progress through the program more smoothly and predictably. This means that Fall admissions are the primary (but not sole) time to admit students to the program. Students are encouraged to select either the full-time cohort or the part-time cohort, depending on their needs and desires. Approximately 60-70 students will be selected for admission each year, distributed among the two option areas.

Selection for admission is not based solely on academic credentials, but also upon the faculty's assessment of candidates' personal development, interpersonal relationship skills, emotional and psychological maturity, and potential for professional growth and success. These include the following professional dispositions: Openness to diverse others, being non-judgmental, comfort with ambiguity, openness to feedback, openness to change, self-awareness, and empathy. The small group interview interactions provide opportunities for this assessment, and allow potential candidates to assess their goodness of fit with the Counseling profession and our programs.

Retention requirements

All Counseling students must obtain a 3.00 GPA in all courses required for the Master of Science degree in Counseling. In addition to academic standards, students are expected to conform to the professional and ethical standards of the profession throughout their programs. Each student's academic and professional performance and progress in the program will be reviewed periodically by the faculty, who will provide feedback to the student. Students whose performance or progress is unsatisfactory may be allowed to continue under a remedial, probationary status, or dismissed from the program. Students may appeal unsatisfactory review outcomes or dismissal through the department, college and university grievance procedure.

To enroll in Practicum courses (COU 777, and COU 778 or COU 779), students must apply for and receive Departmental approval and permission. Upon completion of prerequisites (COU 703, COU 705, COU 708, or COU 710 and COU 711, COU 714, and/or COU 751), students may apply for approval to enroll in the initial Counseling Practicum course (COU 777). Upon the successful completion of the initial general Counseling Practicum Course (COU 777), student may enroll in either Mental Health Counseling Practicum (COU 778) or School Counseling Practicum (COU 779). This is a review of progress checkpoint, during which faculty will review each student's performance in prerequisites, and determine his/her readiness to take Practicum. If students are not considered to be ready, faculty will provide specific feedback concerning what is needed to further prepare them. Upon approval, students may enroll in Practicum, by permission only. Students are also required to obtain and maintain their own professional liability insurance while enrolled in all Practicum courses and during Internships.

Beginning early in the program, students should start saving all course work products (papers, exams, tapes, transcripts, projects, logs, evaluations). These will become the basis for the creation of a required Professional Portfolio, to be completed before graduation. Information is available in COU 765 and on the [Counseling program webpage](https://education.missouristate.edu/Counseling/Portfolio-Resources.htm) (<https://education.missouristate.edu/Counseling/Portfolio-Resources.htm>).

All students are required to complete a 47 hour professional counseling core and a minimum of 13 credit hours in one of two counseling options: (a) School Counseling or (b) Clinical Mental Health Counseling. Students in each option will complete additional requirements as specified below and may complete additional courses as electives. Students interested in K-12 School Counseling certification should complete the School Counseling option.

Total required hours for each option area are:

- School Counseling: 60 hrs
- Clinical Mental Health Counseling: 60 hrs

Counseling core

| Course Code | Course Title | Credit Hours |
|--|---|---------------|
| COU 701 | Assessment and Testing for Counselors | 3 hrs |
| COU 703 | Professional Orientation and Ethical Practice in School and Mental Health Counseling | 3 hrs |
| COU 705 | Orientation to Personal and Professional Development in Mental Health and School Counseling | 1 hr |
| COU 707 | Human Development and Development | 3 hrs |
| COU 708 | Play Therapy and Child Counseling Techniques | 3 hrs |
| COU 710 | Counseling and Helping Relationships | 2 hrs |
| COU 711 | Counseling and Helping Relationships Lab | 1 hr |
| COU 714 | Social-Cultural Diversity in Counseling | 3 hrs |
| COU 716 | Adolescent and Young Adult Counseling in School and Mental Health Settings | 1 hr |
| COU 720 | Substance Abuse | 3 hrs |
| COU 724 | Assessment and Diagnosis | 3 hrs |
| COU 733 | Couples and Family Counseling | 3 hrs |
| COU 751 | Theories and Techniques in Counseling | 3 hrs |
| COU 752 or COU 754 | Career Development or Counseling for Post-Secondary and Career Readiness K-12 | 3 hrs |
| COU 756 or COU 757 | Group Counseling and Group Work or Group Counseling Through Play | 3 hrs |
| COU 768 | Crisis Counseling and Disaster Mental Health Response | 3 hrs |
| Total | | 47 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------|
| COU 777 | Counseling Practicum | 2 hrs |
| COU 794 | Introduction to Research and Program Evaluation in Counseling | 2 hrs |
| COU 765 | Research and Program Evaluation Seminar in Counseling | 3 hrs |
| Total | | 47 hrs |

School Counseling option

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------|
| | Core Credit Hours | 47 hrs |
| COU 704 | Introduction to School Counseling | 2 hrs |
| COU 779 | School Counseling Practicum | 2 hrs |
| COU 781 | Secondary School Counseling Internship | 3 hrs |
| COU 783 | Elementary School Counseling Internship | 3 hrs |
| | Counseling Electives | 3 hrs |
| Total | | 60 hrs |

Clinical Mental Health Counseling option

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| | Core Credit Hours | 47 hrs |
| COU 709 | Introduction to Mental Health Counseling | 1 hr |
| COU 778 | Mental Health Counseling Practicum | 2 hrs |
| COU 785 | Mental Health Counseling Internship | 6 hrs |
| | Counseling Electives | 4 hrs |
| Total | | 60 hrs |

Courses that students may choose from to get to the 3-4 credit hours of required electives can include:

- Any course in the two counseling option tracks
- Any course in EdS, Special Education and Assessment degree not otherwise listed above
- [COU 700](#) - Problems in Counseling (1-3 hrs)

- [COU 753](#) - Analysis of Childhood Learning and Adjustment (3 hrs)
- [COU 766](#) - Psychopharmacology for Counselors (3 hrs)
- [COU 787](#) - Advanced Play Therapy Practicum (3 hrs)
- [COU 789](#) - Advanced Level: Play Therapy Supervisor (3 hrs)
- [COU 795](#) - Topics in Counseling (1-3 hrs)
- [COU 799](#) - Thesis (1-6 hrs)

For students interested in school counselor certification who do not have a teaching degree and certificate, additional course work in teaching will be required in the following areas: Psychology of the Exceptional Child, Teaching Methods/Practices and Classroom Management. These courses are not part of the degree program, but are required for certification in Missouri.

Degree Requirements

Research Requirement

The research requirement is met through completion of either COU 765 (Research and Program Evaluation Seminar in Counseling), which shall require an extensive paper or major creative work, or COU 799 (Thesis).

Portfolio Requirement

The Portfolio requirement will be met upon completion of the student's curricular experiences and comprehensive examination, when the portfolio will be assembled and submitted to the student's advisor for approval. Students will be required to purchase a subscription to Taskstream (comprehensive portfolio system).

Comprehensive Requirements

A four-hour, standardized, national Counselor Preparation Comprehensive Examination must be passed before a degree will be granted. Students should have completed the majority of course work, and all courses in the eight CACREP common counseling core content areas previously specified, prior to taking the exam. The Counseling Program will determine passing scores, based on national and local norms, for each administration. If permission is obtained, students who fail the exam may retake it when next offered. Students failing the comprehensive examination three times may be dismissed from the program, upon a vote of the program faculty. In addition to the Comprehensive Exam, the student will complete a portfolio as described above.



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Program admission requirements

To be admitted into the program, a student must submit the following.

1. To be considered for probationary admission to the program, a student must submit both a Graduate Application and the Educational Administration program application.
2. Students must possess a bachelor's degree and must meet the requirements for admission to graduate study at Missouri State University.

Additional materials which must be submitted include:

- a. A written "Statement of Purpose" containing long-term goals of leadership (minimum of 300 words).
- b. A copy of appropriate teacher certificate or eligibility for certification by a state agency.
- c. Three references.
- d. An up-to-date professional resume
- e. A personal portfolio that may contain any of the following items to support application to the program:
 - Teaching
 - Show evidence of impacting student achievement in the classroom/building (using data to support impact)
 - Provide documentation of recent evaluations
 - Leadership
 - Continuous School/Building Improvement Plan or Model. List and explain leadership roles served in within the last 3 years in the building/district (i.e., supervised student teachers, chaired committees, and/or mentored new teachers/leaders)
 - Professional Development Plan
 - Show evidence that goals set forth in Professional Development Plan are being met.

Additional Admission requirements:

1. Earn a 3.50 GPA in the first 12 hours of Educational Administration coursework.
2. Schedule a personal interview with the Master's Degree Program Coordinator in Educational Administration.
3. Access to the internet and an active email address.

Upon completion of the probationary entry material (statement of purpose, teacher certification, immediate supervisor questionnaire, impact on learning material, leadership in Continuous Improvement Plan, Professional Development Plan, a 3.50 GPA for 12 hours, personal interview, and resume) the Educational Administration faculty will review the application of the candidate for full admission into the program.

1. Internship. Prior to beginning an internship, all students must:

- a. have on file with the departmental office an internship application that has been completed and signed by the school administrator in the district where the internship is being conducted.
- b. have completed the Family Care and Safety Registry background check.
- c. have a TB skin test

Information regarding the completion of the background check and skin test may be obtained from the office of COE Student Services (417-836-5253).

2. Applicant's for whom English is a second language are required to submit scores on the Test of English as a Foreign Language (TOEFL). Minimum scores of 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL are required for admission.

Degree requirements

1. Satisfactory completion of a minimum of 36 approved graduate hours with a minimum overall GPA of 3.00.
2. No more than 12 semester hours of 600-level course work may be applied to the degree program.
3. Two years (minimum) of successful teaching experience.
4. **Research.** Three semester hours toward completion of the Leadership Capstone paper.
5. **Comprehensive Examination.** A time period for the examination will be scheduled during the last semester of the student's course work. The time and nature of the examination will be determined by the Advisory Committee.
6. Students will be required to present an acceptable Leadership Capstone project.
7. **Transfer Credit.** A maximum of 30% of the total hours may be accepted in as transfer credit toward a master's degree. All transfer credit must be "A" or "B" grade status from a regionally accredited college or university and must be approved by the program coordinator.

Master of Science in Education, Educational Administration (Elementary)

Program Description

Persons completing this option should acquire the necessary competencies to gain initial certification to serve as an elementary principal in Missouri schools. Even though a research component is required, emphasis is on the practical aspects of the elementary principalship. (All Educational Administration courses are taught through Missouri State Direct, live interactive technology.)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EAD 751 | Foundations of Educational Leadership | 3 hrs |
| EAD 768 | K-12 Principalship | 3 hrs |
| EAD 780 | Administration of Instructional Programs | 3 hrs |
| EAD 781 | Organizational Management | 3 hrs |
| EAD 786 | School Supervision and Performance Enhancements | 3 hrs |
| | | |

| | | |
|--|---|---------------|
| EAD 788 or SFR 780 | Action Research in Educational Leadership or Educational Research Methodology | 3 hrs |
| EAD 759 | Leadership Capstone | 3 hrs |
| EAD 787 | Administration of Special Programs | 3 hrs |
| EAD 784 | Human Relations and Collaborative Processes | 3 hrs |
| EAD 785 | Legal and Ethical Contexts of Schooling | 3 hrs |
| EAD 776 | Internship for Elementary Principals - Onsite -Part I | 1 hr |
| EAD 777 | Internship for Elementary Principals - Onsite - Part II | 1 hr |
| EAD 778 | Internship for Elementary Principals-Related Agencies | 1 hr |
| EAD 769 or ELE 710 | Curriculum Leadership for K-12 Principals or Elementary School Curriculum | 3 hrs |
| | Total | 36 hrs |

Middle School certification is included with K-8 principal certification.

Master in Science in Education, Educational Administration (Secondary)

Program Description

Persons completing this option should acquire the necessary competencies to gain initial certification to serve as a secondary principal in Missouri schools. Even though a research component is required, emphasis is on the practical aspects of the secondary principalship. (All Educational Administration courses are taught through Missouri State Direct, live interactive technology.)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EAD 751 | Foundations of Educational Leadership | 3 hrs |
| EAD 768 | K-12 Principalship | 3 hrs |
| EAD 780 | Administration of Instructional Programs | 3 hrs |
| EAD 781 | Organizational Management | 3 hrs |
| EAD 786 | School Supervision and Performance Enhancements | 3 hrs |
| EAD 788 | Action Research in Educational Leadership | 3 hrs |

| | | |
|--|--|---------------|
| or SFR 780 | or Educational Research Methodology | |
| EAD 759 | Leadership Capstone | 3 hrs |
| EAD 787 | Administration of Special Programs | 3 hrs |
| EAD 784 | Human Relations and Collaborative Processes | 3 hrs |
| EAD 785 | Legal and Ethical Contexts of Schooling | 3 hrs |
| EAD 773 | Internship for Secondary Principals - Onsite - Part 1 | 1 hr |
| EAD 774 | Internship for Secondary Principals-Onsite - Part II | 1 hr |
| EAD 775 | Internship for Secondary Principals-Related Agencies | 1 hr |
| EAD 769 or SEC 701 | Curriculum Leadership for K-12 Principals or Secondary School Curriculum | 3 hrs |
| | Total | 36 hrs |





Middle School certification is included with K-8 principal certification.

Internship

The intern experience (EAD 782 and EAD 783) is an integral part of this major and should be planned for, with the advisor, in advance of the semester in which the student desires to register for the experience. A signed completed internship application is to be on file in the CLSE Department Office prior to enrolling in the class. Tb test and clearance through Family Registry is required prior to enrolling in EAD 782, EAD 783 and EAD 882. Applications are available from CLSE and should be returned to CLSE.



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Graduate programs

Master of Science in Education, Special Education

Special Education Graduate Faculty

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Program description

The Master of Science in Education, Special Education may be obtained by following a course of study specific to multiple areas of interest and certification needs with three option areas, blindness and low vision (B&LV), mild/moderate disabilities (Special Education Alternative Certification {SEACT} track), and autism spectrum disorders (ASD track), with each leading to a Master of Science in Education degree. Graduate Certificates in Autism Spectrum Disorders or Orientation and Mobility may be pursued as a component of a degree, or as options for nondegree-seeking students. An accelerated Masters option is available in the option of autism spectrum disorders for students seeking a BSEd, Special Education (Mild/Moderate Cross-Categorical K-12) degree. The Special Education Program is designed to include a mixture of on-line course delivery options, arranged supervised practica, and on-site methods. All course work in the area of Visual Impairment and some course work required for the SEACT program is available online. Alternative delivery systems such as intersession and week-end courses may also be offered to support completion of course work.

You must contact your advisor to obtain consent to enroll each semester.

Prerequisite course requirements

Bachelor degree from an accredited university.

Program admissions criteria

To be admitted to the Master of Science in Education, Special Education degree program, a candidate must submit the Graduate Application and official transcripts showing all previous course work. The student must have obtained a GPA of 3.0 (on a 4.0 scale) for the last 60 hours of undergraduate course work

Additional materials which should be submitted:

1. a letter of intent clearly indicating the master's option area or certificate program to which they are applying.
2. three letters of recommendation, including one from the present employer, one from an individual who can attest to the candidate's academic ability, and a third letter from another professional reference. For students applying to the SEACT option of the special education master's program, the third professional reference letter should be from a person who can speak to the candidate's ability to interact with or teach children or students.

All applicants to the Graduate Program will be required to complete a Family Care Safety Registry (FCSR) background check (or other approved systems for out-of-state students) prior to admission. In addition, students enrolled in clinical and field experiences must provide proof of a negative TB skin test and proof of professional liability insurance. A TB skin test may be obtained at the university's Magers Health and Wellness Center. Applications for professional liability insurance are available in Hill Hall, Room 200 and must be current within one year of the field or clinical placement. The background check, professional liability insurance, and negative TB skin test will facilitate timely field experience placements necessary for the successful completion of program requirements.

Students seeking admission to the Special Education Program should contact the College of Education Office of Student Services (HILL 200) to complete the paper work for the required background check. A student must receive a satisfactory review on this FCSR report (as well as meeting all other admission requirements) in order to be admitted to the masters program.

The Special Education Program within the College of Education reserves the right to refuse enrollment or program continuation to any student based on the student's ability to successfully complete required classes and/or to successfully complete any required practica. This refusal will be determined by the judgment of the Special Education graduate faculty and the head of the Department of Counseling, Leadership and Special Education.

All Special Education graduate students are expected to display professional behaviors and dispositions consistent with the International Council for Exceptional Children's Code of Ethics for Educators of Persons with Exceptionalities. Periodic structured assessments of professional behaviors and dispositions will be completed for all graduate students. If a student does not display the required professional behaviors and dispositions as determined by the Special Education graduate faculty and head of the Department of Counseling, Leadership and Special Education, a student may be dismissed from the graduate program.

Program requirements

Core requirements

9 hrs

| Course Code | Course Title | Credit Hours |
|--------------------------|--|--------------|
| SFR 780* | Educational Research Methodology | 3 hrs |
| SPE 780 | Impact of Contemporary Issues & Diversity in Special Education | 3 hrs |

| | | |
|--|--|-------|
| SPE 788 or SPE 799 | Research Seminar in Special Education or Thesis Option | 3 hrs |
|--|--|-------|

* Offered via internet or alternative delivery system based on availability.

Comprehensive Examination. Degree candidates must pass a comprehensive exam. Students completing the thesis option will complete an oral defense of their thesis for their comprehensive exam. Other masters students will complete a written exam using a computer. Students who live in another state who need to take the written comprehensive exam may be allowed to take the exam at an approved proctored site. Confer with faculty advisor regarding this option.

Blindness and Low Vision (B&LV) Option

The Blindness and Low Vision (B&LV) option is designed to provide intensive research based instruction in regard to assessment and programming for individuals identified with low vision or who are blind. Course work will emphasize Braille instruction as well as the use of varied technology options to support individuals with VI across multiple environments. Course work will be offered on-line to support broad delivery and is accredited by the Association for Education and Rehabilitation of the Blind and Visually Impaired (AER). Missouri Department of Elementary and Secondary Education Teacher Certification in Blind and Partially sighted may be obtained upon completion of the VI emphasis. Successful completion of the course work in the area of VI, along with additional course work as outlined, will in part address requirements for National certification and a Missouri State Graduate Certificate in Orientation and Mobility. Required coursework in addition to the core follows:

| Course Code | Course Title | Credit Hours |
|--------------------------|---|--------------|
| SPE 605* | Braille Reading and Writing I | 3 hrs |
| SPE 606* | Principles of Orientation and Mobility | 2 hrs |
| SPE 607* | Services and Diversity in Blindness and Low Vision and Additional Disabilities | 2 hrs |
| SPE 608* | Low Vision, Anatomy, and Physiology of the Eye | 3 hrs |
| SPE 709* | Methods of Teaching Students with Blindness or Low Vision and Multiple Disabilities | 3 hrs |
| SPE 711* | Braille Reading and Writing II | 3 hrs |
| SPE 730* | Health, Functional, and Psychosocial Aspects of Disabilities | 2 hrs |
| SPE 733* | Methods of Teaching Independent Living Skills to Persons with Blindness or Low Vision | 3 hrs |
| SPE 750* | Practicum: Blindness and Low Vision | 3 hrs |
| SPE 779* | Application of Technology In Special Education | 3 hrs |

| | | |
|--------------------------|--|-----------------|
| SPE 783* | Advanced Assessment to Support Individuals with Developmental & Sensory Disabilities | 3 hrs |
| | Total BLV Course Hours | 30 hours |
| | Total Program Hours - 30 BLV Courses + 9 Core Courses | 39 hours |

NOTE: Additional course work may be required based on the candidate's previous qualifications and previous certifications.

* Offered via internet.

Special Education Alternative Certification Track Option

The Special Education Alternative Certification Track (SEACT) option is designed to facilitate Department of Elementary and Secondary Education Teacher Certification in K-12 Cross-Categorical Special Education (Mild to Moderate Disabilities) while acquiring advanced knowledge and skills in the area. Course work is designed to reflect State and National standards with demonstrated mastery of specific course competencies required through research-based projects. In addition to the Master of Science in Education, successful completion of this option will result in teacher certification in the area of K-12 Mild/Moderate Cross-Categorical Special Education (given that all required DESE content assessments are also passed). Required course work in addition to the core follows

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------------|
| SPE 715 | Foundations in Special Education | 3 hrs |
| SPE 782 | Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities | 4 hrs |
| SPE 792 | Advanced Diagnosis and Remediation of Students with Disabilities Lab | 2 hrs |
| SPE 619 | Methods I: Cognitive & Behavioral Methods for Exceptional Students | 3 hrs |
| SPE 621 | Methods II: Functional Living Skills & Health Issues | 3 hrs |
| SPE 789 | Student Teaching -The Exceptional Child | 3 hrs |
| PSY 703 | Human Growth and Development | 3 hrs |
| SPE 617 | Direct Instruction in Reading & Language Arts | 3 hrs |
| SPE 787 | Advanced Behavioral Analysis & Intervention | 3 hrs |
| | | |

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|-------------------------|--|-----------------|
| SPE 664 | Language Development of Exceptional Students | 2 hrs |
| SPE 616 | Foundations of Behavioral Analysis and Interventions in Applied Settings | 3 hrs |
| SPE 717 | Methods of Teaching Mathematics to Exceptional Individuals | 3 hrs |
| | To Total | 45 hours |

* Offered via internet or alternative delivery system based on availability.

Orientation and Mobility Option

The MEd Option Program in Orientation and Mobility is available to individuals seeking a degree with emphasis in Orientation and Mobility. The Master's degree option in Orientation and Mobility (O&M) is designed to meet regional and national needs and is aligned to the standards set by the Association of Education and Rehabilitation of the Blind and Visually Impaired (AER) and Academy of Certification of Vision Rehabilitation and Education Professionals (ACVREP). The program prepares specialists who teach individuals who have blindness or low vision to travel independently, safely, and efficiently in their homes and communities. Individuals who desire to pursue a degree and subsequent certification in O&M will be identified based upon geographic need and individual qualifications. Prerequisites may be required based on transcript analysis.

Required course work in addition to the core follows.

Program requirements

Required Course work in addition to the core:

| Course Code | Course Title | Credit Hours |
|--------------------------|---|--------------|
| SPE 605* | Braille Reading and Writing I | 3 hrs |
| SPE 606* | Principles of Orientation and Mobility | 2 hrs |
| SPE 607* | Services and Diversity in Blindness and Low Vision and Additional Disabilities | 3 hrs |
| SPE 608* | Low Vision, Anatomy, and Physiology of the Eye | 2 hrs |
| SPE 712 | Instructional Techniques and Strategies of Orientation and Mobility | 6 hrs |
| SPE 714* | Professional Issues and Assessment Related to Orientation and Mobility with Diverse Populations | 3 hrs |
| SPE 730 | Health, Functional, and Psychosocial Aspects of Disabilities | 2 hrs |
| SPE 760 | Internship in Orientation and Mobility | 3 hrs |
| SPE 780* | Contemporary Issues in Special Education | 3 hrs |
| | | |

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|-----------------|-----------------|
| To Total | 36 hours |
|-----------------|-----------------|

* Offered via internet or alternative delivery system based on availability.

Developmental Disabilities Option

Not accepting applications at this time.

The Developmental Disabilities (DD) Graduate option is designed to provide candidates with in-depth knowledge and skills to effectively assess and implement research based programs for individuals requiring extensive and pervasive supports and offers course work to enhance expertise in Autism Spectrum Disorders. Missouri Department of Elementary and Secondary Education Teacher Certification in Severely Developmentally Disabled (B-12) and a Missouri State Graduate Certificate in Autism Spectrum Disorders may be obtained through completion of the DD option. Course work specific to certification in Severely Developmentally Disabled is designed to reflect State and National standards with demonstrated master of competencies required through research based projects and the Professional Education Portfolio. The DD option will also support professionals working in agency and clinical settings.

Required courses in addition to the core as follows:

| Course Code | Course Title | Credit Hours |
|----------------------------------|--|---------------------|
| <u>SPE 607*</u> | Introduction to Visual Impairments, Autism and Severe/Multiple Disabilities | 3 hrs |
| <u>SPE 626</u> | Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders | 3 hrs |
| <u>SPE 625</u> | Introduction to Autism Spectrum Disorders | 3 hrs |
| <u>PSY 703</u> | Human Growth and Development | 3 hrs |
| <u>KIN 645</u> | Perceptual and Motor Development | 3 hrs |
| <u>SPE 613*</u> | Physical and Health Needs of Students with Disabilities | 3 hrs |
| <u>CSD 732**</u> | Speech and Language Assessment and Treatment for Special Populations | 3 hrs |
| <u>CSD 733**</u> | Introduction to Augmentative & Alternative Communication | 3 hrs |
| <u>SPE 623</u> | Curriculum and Methods in Early Childhood Special Education | 3 hrs |
| | | |

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|-------------------------|---|-----------------|
| SPE 627 | Research-Based Strategies for Individuals with ASD | 3 hrs |
| SPE 785 | Advanced Procedures in Developmental Disabilities | 3 hrs |
| SPE 791 | Clinical Practicum for Individuals with Autism and Challenging Behavior | 6 hrs |
| | Total Hours | 48 hours |

Students who have not completed an equivalent foundation requirement will also need to take [SPE 715](#) (<https://graduate.missouristate.edu/catalog/CLSE.htm#SPE715>), Foundations in Special Education, to be recommended for certification in Severe DD (B-12).

* Offered via internet or alternative delivery system based on availability.

** [SPE 664](#) (<https://graduate.missouristate.edu/catalog/CLSE.htm#SPE664>) or an equivalent course in language development for the exceptional child is required prior to enrollment in [CSD 733](#) (<https://graduate.missouristate.edu/catalog/CommSci.htm#CSD733>) or [CSD 732](#) (<https://graduate.missouristate.edu/catalog/CommSci.htm#CSD732>).

Autism Spectrum Disorders Option

The Autism Spectrum Disorders (ASD) option is designed for individuals who have teacher certification in an area of Mild/Moderate Disabilities who wish to enhance their skills through related and advanced course work in ASD. In-depth analysis of research-based practices specific to assessment, identification, and programming for students with ASD are stressed. Course work in addition to the core follows.

| Course Code | Course Title | Credit Hours |
|-------------------------|--|-----------------|
| SPE 783 | Advanced Assessment to Support Individuals with Developmental & Sensory Disabilities | 3 hrs |
| SPE 625 | Introduction to Autism Spectrum Disorders | 3 hrs |
| SPE 791 | Clinical Practicum for Individuals with Autism and Challenging Behavior | 4 hrs |
| SPE 627 | Research-Based Strategies for Individuals with ASD | 3 hrs |
| SPE 618 | Application of Applied Behavior Analysis & Interventions in Applied Settings | 3 hrs |
| SPE 626 | Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders | 3 hrs |
| SPE 740 | Verbal Behavior | 3 hrs |
| | Electives | 6 hrs |
| | Total | 37 hours |

* Offered via internet or alternative delivery system based on availability.

Accelerated master's degree option (MSEd) - Special education, autism spectrum disorders emphasis

Students must be accepted into the accelerated program and receive approval from the Graduate Program Advisor, the Department Head of the Undergraduate program, and the Graduate College prior to enrolling in mixed credit courses. This is done by using a mixed credit form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period. See the Graduate College for further information.

Accelerated option admission requirements

1. Junior standing, with an overall GPA of 3.00 or better
2. Admission to teacher education program
3. Completion of SPE 515 with a B or higher
4. Acceptance of the applicant by the ASD graduate faculty in special education under the accelerated masters option

Accelerated option mixed credit course options

If accepted into the accelerated program, up to 12 hours of coursework may apply to both the undergraduate and graduate degrees, including, but not limited to:


- [SPE 617*](#) Direct Instruction in Reading and Language Arts
- [SPE 618](#) Application of Applied Behavior Analysis and Interventions in Applied Settings
- [SPE 619*](#) Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners
- [SPE 621*](#) Methods II: Functional Living Skills and Health Issues
- [SPE 625](#) Introduction to Autism Spectrum Disorders
- [SPE 779*](#) Application of Technology in Special Education (would be designated as an elective for BSEd)

Courses marked with asterisk () would be designated as an elective for MSEd: SPE-ASD.

If accepted into the accelerated program, students may also request permission to enroll in the following courses as Senior Permission to facilitate completion of the master's degree for students who wish to stay at MSU to finish the MSEd degree. Please note that Senior Permission courses are not eligible for Financial Aid.



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Nicole West, Program Coordinator

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NicoleWest@missouristate.edu (<mailto:NicoleWest@missouristate.edu>)

<http://education.missouristate.edu/edadmin/MSEDSA.htm> (<http://education.missouristate.edu/edadmin/MSEDSA.htm>)

Program description

The Student Affairs program has been developed at Missouri State to meet the staffing needs of colleges and universities throughout the nation. Our goal is the development of individuals to successfully enter the field of student affairs administration in higher education. Individuals who participate in this program will have both a theoretical understanding of the history and traditions of higher education, and the practical experience needed to address current issues which face campuses in the 21st Century.

Program admission requirements

In addition to the Graduate College admission requirements, the Student Affairs in Higher Education (SAHE) MS program requires the following:

- A grade point average of at least 2.75 on a 4.00 scale, OR at least a 2.75 grade point average on a 4.00 scale for the last 60 hours of academic course work.

Prospective students who intend to pursue full-time graduate study in the SAHE program are required to obtain a graduate assistantship. A grade point average of at least 3.00 on a 4.00 scale, OR at least a 3.00 grade point average on a 4.00 scale for the last 60 hours of academic coursework is required.

Applicants for whom English is a second language are required to submit scores on the Test of English as a Foreign Language (TOEFL). Minimum scores of 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL are required for admission.

Required Application Materials

To apply to the SAHE program, the following materials must be submitted via GradCAS:

- Application to MSU's SAHE program, including \$55 application fee (\$115 for international students)
- Official transcripts from all previously attended institutions of higher education
 - Missouri State University undergraduates do not need to request official transcripts.
- Statement of purpose
 - Your written personal statement (minimum of 300 words) should describe your professional and/or personal goals, discuss how the degree will contribute to those goals, and indicate the experiences that have prepared you for graduate study in student affairs.
- Resume or curriculum vita (CV)
- Three letters of recommendation
 - These letter should be written by individuals familiar with your academic abilities and professional potential.

Applicants for whom English is a second language are required to submit scores on the Test of English as a Foreign

Standards

The program follows the Council for Advancement of Academic Standards in Higher Education (CAS) and meets the College Student Educators International (ACPA) and Student Affairs in Higher Education (NASPA) respectively Professional Preparation Commission and the Graduate Program Directory.

Degree requirements

1. Satisfactory completion of a minimum of 45 approved graduate hours with a minimum overall GPA of 3.00.
2. No more than 9 semester hours of 600-level course work may be applied to the degree program as approved by the program director.
3. **Qualification Exam and the E-Portfolio Project** is the two part **Comprehensive Examination** for SAHE program. Students will complete Qualification Exam/E-Portfolio in [SAE 771](#), Capstone Seminar. Students will begin the E-Portfolio during the first semester of the program.
4. **Research.** Successful completion of [SAE 729](#), [SAE 766](#) and [SAE 767](#).

5. **Transfer Credit.** A maximum of 30% of the total hours may be accepted in as transfer credit toward a master's degree. All transfer credit must be "A" or "B" grade status from a regionally accredited college or university and must be approved by the program director.

Graduate assistantships

There is a strong possibility that candidates admitted into the student affairs program by February 1 will be offered employment as a graduate assistant within the Division of Student Affairs. Students admitted by this date with at least a 3.00 GPA will receive priority consideration. Students admitted to the student affairs program should have either a graduate assistantship or a full-time employment position with Missouri State University or a local post-secondary educational institution.

Required courses

| Course Code | Course Title | Credit Hours |
|---|---|---------------|
| <u>SAE 721</u> | Introduction to Student Affairs | 3 hrs |
| <u>SAE 723</u> | Student Development Theory | 3 hrs |
| <u>SAE 726</u> | Higher Education in the United States | 3 hrs |
| <u>SAE 729</u> | Foundations of Research | 3 hrs |
| <u>SAE 732</u> | Leadership and Administration in Higher Education | 3 hrs |
| <u>SAE 735</u> | Governance and Finance in Higher Education | 3 hrs |
| <u>SAE 738</u> | Legal and Ethical Issues in Student Affairs | 3 hrs |
| <u>SAE 747</u> or <u>SAE 748*</u> | Supervised Practice or Special Projects: Reflective Moments in Higher Education and Student Affairs | 6 hrs |
| <u>SAE 749</u> | Student Outcomes | 3 hrs |
| <u>SAE 766</u> | Research Methods and Data Analysis | 3 hrs |
| <u>SAE 767</u> | Assessment and Evaluation | 3 hrs |
| <u>SAE 771</u> | Capstone Seminar | 3 hrs |
| <u>SAE 727</u> | Creating Inclusive Campus Environments | 3 hrs |
| <u>SAE 728</u> | Individual & Group Support Skills | 3 hrs |
| | Total | 45 hrs |




*Full time employees at Missouri State University or area institutions may substitute this class to meet their Supervised Practice requirement for their degree.



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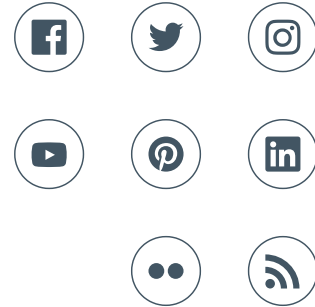
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Nate Quinn

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Phone 417-836-5083; nquinn@missouristate.edu (mailto:nquinn@missouristate.edu)

Jon S. Turner

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Phone 417-836-6518; jonsturner@missouristate.edu (mailto:jonsturner@missouristate.edu)

Program Admission Requirements

To be admitted into the program, a student must submit the following.

1. To be considered for probationary admission to this program, a student must submit both a Graduate Application and Educational Administration program application.
2. Students must possess a master's degree from an accredited institution with an overall GPA of 3.50.
3. Applicants for whom English is a second language are required to submit scores on the Test of English as a Foreign Language (TOEFL). Minimum scores of 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL are required for admission.
4. Additional materials which should be submitted.
 - a. A written "Statement of Purpose" containing long-term goals of leadership (minimum 300 words).
 - b. A copy of an appropriate teacher certificate or eligibility for certification by a state agency.
 - c. Program will request a reference from immediate supervisor regarding performance.
 - d. Candidate will submit a personal portfolio that may contain any of the following items to support their application to the program:
 - Building Student Outcomes
 - Show evidence of impacting student achievement at the building level as evidenced by the School/Building Improvement Plan Data.
 - School Leadership
 - Provide evidence of leadership roles involved in that last 3 years at the district level.
 - Professional Development Plan
 - Show evidence that goals set forth in Professional Development Plan are being met.
 - List leadership conferences (regional, state, national) attended or presented at during the last 3 years.
 - e. Access to the internet and an active email address.
 - f. Submit a professional resume.
 - g. Complete a structured interview with the Educational Administration Program Faculty.
5. Upon completion of the probationary entry material (statement of purpose, teacher certification, immediate supervisor questionnaire, impact on learning material, leadership and involvement in the continuous School/Building Improvement Plan, Professional Development Plan, 3.50 GPA for 12hours, personal interview with the department, Family Care and Safety Registry, TB skin test, and resume) the Educational Administration faculty will review application for full admission into the program.
6. Internship. Prior to beginning an internship, all students must:
 - have on file with the departmental office an internship application that has been completed and signed by the school administrator in the district where the internship is being conducted.
 - have completed the Family Care and Safety Registry background check.

- have a TB skin test

Information regarding the completion of the background check and skin test may be obtained from the office of COE Student Services (417-836-5253).

Degree requirements

1. Satisfactory completion of a minimum of 28 or 32 approved graduate hours with a minimum overall GPA of 3.00.
2. A minimum of two years supervisory and/or teaching experience.
3. **Research.** A minimum of three semester hours field study assignment.
4. **Comprehensive Examination.** A period of time will be scheduled for a comprehensive exam for all students who have not previously passed a comprehensive examination in educational administration at Missouri State University. In addition, students will be required to present an acceptable oral review of their field study.
5. **Transfer Credit.** A maximum of 8-9 semester hours of graduate credit beyond the master's degree may be accepted toward the hours required for the Specialist in Education Degree. All transfer credit must be "A" or "B" grade status from a regionally accredited college or university and must be approved by the program coordinator.

Specialist in Education, Educational Administration (Elementary Principal)

Program description

The program fulfills the standards established by the Missouri Department of Elementary and Secondary Education for elementary principals and directors of elementary education. Practical aspects of the principalship are emphasized. A research component is required.

Required Coursework (22 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EAD 861 | Human Relations | 3 hrs |
| EAD 863 | Curriculum Design and Evaluation | 3 hrs |
| | Elective hours must include the two courses listed above and Advisor-advisee approval for remaining 12 hours | 12 hrs |
| | Special Topics (EAD 870 or other courses with Advisor approval) | 4 hrs |

Research Sequence (6 hrs)

| Course Code | Course Title | Credit Hours |
|-------------|--------------|--------------|
|-------------|--------------|--------------|

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| EAD 895 or SFR 890 | Research in Administrative Practices or Field Research and Evaluation | 3 hrs |
| EAD 860 | Field Study | 3 hrs |

Required 800-level courses - 28 hours. Students earning the EdS degree-Elementary Principal are prepared for career certification by DESE as an elementary principal if they have earned a masters degree in educational administration or have successfully completed the following educational administration courses as required by the Missouri Department of Elementary and Secondary Education for building level certificate:

- Foundations of Educational Administration (3 hrs)
- K-12 Principalship (3 hrs)
- Internship for Elementary School Principals - On-Site Parts I & II (2 hrs)
- Internship for Elementary Principals - Related Agencies (1 hr)
- Legal and Ethical Contexts of Schooling (3 hrs)
- Supervision and Performance Enhancement (3 hrs)
- K-12 Curriculum for Building Level Principals (3 hrs)
- Organizational Management (3 hrs)
- Administration of Special Programs (3 hrs)

Students are required to pass building level state assessments prior to receiving certification.

All Educational Administration courses are taught using Missouri State Direct, or live interactive technology.

Specialist in Education, Educational Administration (Secondary Principal)

Program description

The EdS Degree - Secondary Principal Program requires 28 credit hours and fulfills the standards established by the Missouri Department of Elementary and Secondary Education for secondary principals. Practical aspects of the principalship are emphasized. A research component (6 hrs) and a comprehensive examination are required.

Required Coursework (22 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EAD 861 | Human Relations | 3 hrs |
| EAD 863 | Curriculum Design and Evaluation | 3 hrs |
| | Elective hours must include the two courses listed above and Advisor approval for the remaining 12 hours | 12 hrs |
| | Special Topics (EAD 870 or other courses with Advisor approval) | 4 hrs |

Research Sequence (6 hrs)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| EAD 895 or SFR 890 | Research in Administrative Practices or Field Research and Evaluation | 3 hrs |
| EAD 860 | Field Study | 3 hrs |

Required 800-level courses - 28 hours. Students earning the EdS degree-Secondary Principal are prepared for career certification by DESE as an secondary school principal if they have earned a masters degree in educational administration or have successfully completed the following educational administration courses as required by the Missouri Department of Elementary and Secondary Education for building level certificate:

- Foundations of Educational Administration (3 hrs)
- K-12 Principalship (3 hrs)
- Internship for Secondary School Principals - On-Site Parts I & II (2 hrs)
- Internship for Secondary Principals - Related Agencies (1 hr)
- Legal and Ethical Contexts of Schooling (3 hrs)
- Supervision and Performance Enhancement (3 hrs)
- K-12 Curriculum for Building Level Principals (3 hrs)
- Organizational Management (3 hrs)
- Administration of Special Programs (3 hrs)

Students are required to pass building level state assessments prior to receiving certification.

All Educational Administration courses are taught using Missouri State Direct, or live interactive technology.

Specialist in Education, Educational Administration (Superintendent)**Program description**

The EdS Degree - Superintendent Program is a 32 credit hours program and fulfills the standards established by the Missouri Department of Elementary and Secondary Education for superintendency. Practical aspects of the superintendency are emphasized. A research component (6 hrs) and a comprehensive examination are required.

Required Coursework (26 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|----------------------------------|--------------|
| EAD 850 | Politics of Education | 3 hrs |
| EAD 858 | School Personnel | 3 hrs |
| EAD 862 | The Superintendency | 3 hrs |
| EAD 863 | Curriculum Design and Evaluation | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|---------------------------------------|--------------|
| EAD 864 | Diversity and Community Relations | 3 hrs |
| EAD 865 | School Law | 3 hrs |
| EAD 866 | Public School Finance | 3 hrs |
| EAD 867 | School Plant Planning and Maintenance | 3 hrs |
| EAD 882 | Superintendency Internship - Part 1 | 1 hr |
| EAD 883 | Superintendency Internship - Part 2 | 1 hr |

Research Sequence (6 hrs)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| EAD 895 or SFR 890 | Research in Administrative Practices or Field Research and Evaluation | 3 hrs |
| EAD 860 | Field Study | 3 hrs |

Required 800-level courses - 32 hours. Students earning the EdS degree-Superintendent are prepared for career certification by DESE as an superintendent if they have earned a masters degree in educational administration or have successfully completed the following educational administration courses as required by the Missouri Department of Elementary and Secondary Education for building level certificate:

- Foundations of Educational Administration (3 hrs)
- K-12 Principalship (3 hrs)
- Internship for Elementary/Secondary School Principals - On-Site Parts I & II (2 hrs)
- Internship for Elementary/Secondary Principals - Related Agencies (1 hr)
- Legal and Ethical Contexts of Schooling (3 hrs)
- Supervision and Performance Enhancement (3 hrs)
- K-12 Curriculum for Building Level Principals (3 hrs)
- Organizational Management (3 hrs)
- Administration of Special Programs (3 hrs)

Students must pass the required state assessments for building level principal prior to receiving certification.



Students must pass the required state assessment for superintendent prior to receiving certification.

All Educational Administration courses are taught using Missouri State Direct, or live interactive technology.



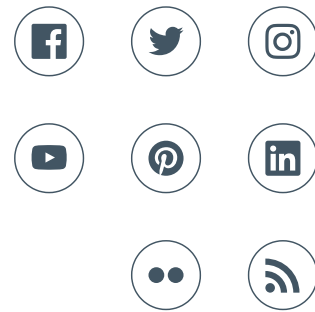


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Special Education and Assessment



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Specialist in Education, Special Education and Assessment

Tamara Arthaud, Program Coordinator, EDS, Special Education and Assessment Coordinator

Park Central Office Building, Room 121; Phone 417-836-6951

TamaraArthaud@missouristate.edu (mailto:TamaraArthaud@missouristate.edu)

Program description

The Specialist in Education: Special Education and Assessment degree is designed to provide the graduate with the qualifications necessary to complete educational testing to provide diagnostic and intervention services for students with special needs in K-12 settings. Candidates enter with a Masters degree in Special Education, Counseling, School Counseling, Counseling Psychology, Clinical Psychology, Educational Psychology, Education or related degree and complete 33 additional credit hours of graduate coursework in Counseling, Psychology, and Special Education; 21 of which must be completed post-Master's and within 8 years of degree completion. Students earning the Ed.S. degree are prepared for certification by Missouri Department of Elementary and Secondary Education (DESE) as a School Psychological Examiner.

Admission requirements

Admission requires:

1. Completed Graduate College Application in the GradCAS system.
2. Submission of official transcripts showing all previous college course work.
3. Master's degree in Special Education, Counseling, School Counseling, Counseling Psychology, Clinical Psychology, Educational Psychology or Education with an overall GPA of 3.00 or higher.
4. State Department of Education (PreK-12) initial certification in a teaching field OR school counseling certification.
5. Supporting documents:
 - Letter of interest (addressing why you want to pursue this degree).
 - EDS application via GradCAS
 - Current official transcripts
 - Three official letters of recommendation (at least two of which are from faculty familiar with the candidate's academic work and one from an employer)
 - Participation in EdS interview
6. The priority deadlines for receipt of all application materials (includes application, transcripts and references) for admission in the Fall semester is April 1 and for Spring semester is October 1.

Degree requirements

Total credit hours required for graduation is 33. At least 21 of the hours must be completed at Missouri State University, and at least 21 credit hours must be completed post-Master's degree within 8 years of degree completion.

Prerequisite Requirements:

1. State Department of Education PreK-12 initial certification in a teaching field or school counselor certification; and
2. Prior completion of a course in Introduction to Special Education or Psychology of the Exceptional Child with a grade of "C" or higher (undergraduate or graduate accepted). (If this is not met, [SPE 715](#) Foundations in Special Education, will be required)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| PSY 703 or COU 707 | Human Growth and Development or Human Development and Personality | 3 hrs |
| PSY 710 | Psychology of Education | 3 hrs |
| PSY 720 | Individual Intelligence Testing | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--|--|--------------|
| PSY 627 or PSY 629 or PSY 711 or PSY 745 | Advanced Psychological Statistical Methods or Psychological Tests and Measurements or Introductory Statistics for Education and Psychology or Statistics and Research Design | 3 hrs |
| COU 701 | Tests and Measurements for Counselors | 3 hrs |
| COU 753 | Analysis of Childhood Learning and Adjustment | 3 hrs |
| SPE 780 | Impact of Contemporary Issues & Diversity in Special Education | 3 hrs |
| SPE 782 | Advanced Diagnosis & Remediation of Students with Mild to Moderate Disabilities | 4 hrs |
| SPE 787 | Advanced Behavioral Analysis and Intervention | 3 hrs |
| SPE 792 | Advanced Diagnosis & Remediation of Students with Disabilities Lab | 2 hrs |
| SPE 886 | School Psychological Examiner Practicum | 3 hrs |

NOTE: For students accepted into the Ed.S. program with a Masters degree from another institution that did not require either a substantial seminar paper or thesis, a writing/research project in lieu of seminar/thesis will be required to be completed prior to graduation. This project will be completed with the assistance and guidance of the Ed.S. program coordinator. Further, the Ed.S. program coordinator will evaluate transcripts for each incoming Ed.S. student and may specify further prerequisite coursework, as needed.


Comprehensive Examination and Research Requirement

Students will complete a comprehensive examination upon completion of the Specialist Core. Students will be required to have completed a thesis or seminar project in their Master's degree. For those not meeting this requirement, a completion of a thesis/seminar equivalent project will be required prior to completion of the EdS degree.



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University of Missouri - Columbia Cooperative Doctorate in Educational Leadership



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Graduate programs

University of Missouri - Columbia Cooperative Doctorate In Educational Leadership

Cynthia MacGregor, Program Coordinator

Park Central Office Building, Room 120; Phone 417-836-6046; CMacgregor@missouristate.edu
(<mailto:CMacgregor@missouristate.edu>)

Missouri State University collaborates in a cooperative program with the University of Missouri-Columbia (MU) leading to an Ed.D. in Educational Leadership. The degree is conferred by MU. This is an advanced study in educational leadership for administrators, program leaders and teachers/ researchers desiring a variety of

leadership positions in education, government, and industry. This degree program does not provide credentials for certification in K-12 school settings.

The two-year cycle of course work (34 hours) begins in the summer of odd-numbered years and continues in sequential semesters. Dissertation research (12 hours) will extend beyond this time frame. The fall and spring semester courses in the program are offered at the Springfield campus and students take 7 hours each summer on the MU campus.





The deadline for submission of application materials to MU is December 1st in the even numbered years. For more information, contact the Department of Counseling, Leadership and Special Education at Missouri State University at 417-836-5392. Students may also contact the Department of Educational Leadership and Policy Analysis at MU (573-882-8221) for application, admission, and program details.



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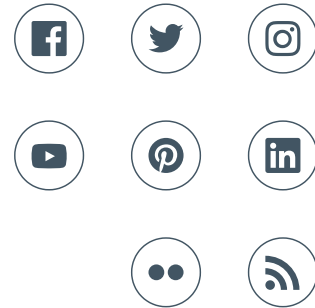
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Autism Spectrum Disorders



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Graduate programs

Certificate In Autism Spectrum Disorders

Linda Garrison-Kane, Graduate Program Coordinator

Park Central Office Building, Room 117; Phone 417-836-6960

LGKane@MissouriState.edu (<mailto:LGKane@MissouriState.edu>)

Program description

A 9 credit hour Missouri State University Graduate Certificate in Autism Spectrum Disorders (ASD) is available to nondegree-seeking individuals or as a component of the Masters degree in Special Education, ASD emphasis. Students pursuing a program of study in other areas of education may also complete these courses as electives or in addition to requirements on the respective program of study. The certificate is also offered to support professionals in the fields of psychology, communication disorders, social work, medicine, and other related specialties. The certificate will not lead to teacher certification in autism; however, it is offered to support educators and other professionals who desire greater expertise in the area of ASD. Emphasis is placed on supporting individuals with challenging behavior through positive behavioral supports and supporting

communication, learning and sensory deficits through validated, data-based programming. Required course work for the ASD Graduate Certificate follows.

Entrance criteria

To be considered for the program, a student submit a Graduate Application for admission to the certificate program.

Required courses

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SPE 625 | Introduction to Autism Spectrum Disorders | 3 hrs |
| SPE 616 | Foundations of Applied Behavior Analysis and Intervention for Teachers in Applied Settings | 3 hrs |
| SPE 627 | Research-Based Strategies for Individuals with ASD | 3 hrs |
| | Total (Minimum) | 9 hrs |


GPA requirements

Attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.





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Comprehensive Systems of Support



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Certificate in Comprehensive Systems of Support

Reesha Adamson, Program Coordinator

Park Central Office Building, Room 103

RAdamson@MissouriState.edu (<mailto:RAdamson@MissouriState.edu>)

Program description

The Graduate Certificate in Comprehensive Systems of Support provides a 12-hour graduate-level experience for school administrators, teachers, and individuals working at the school building level. The program provides knowledge and expertise in multi-tiered systems of support, positive behavior interventions and supports, response to intervention, and specific strategies for creating levels of support to address intervention beyond restrictive student settings. The certificate is interdisciplinary in nature and provides competencies in comprehensive systems and inclusive educational environments. This certificate is a Missouri State University Certificate and **does not meet Missouri State Certification requirements for teaching.**

Admissions criteria

1. Completion of the baccalaureate degree from an accredited college or university.
2. A personal statement that addresses the applicant's professional career goals and how the program will help accomplish these goals.

3. Two letters of recommendation.
4. A brief resume or curriculum Vita.
5. Students for whom English is a second language must earn a minimum score of 79 (internet-based) on the Test of English as a Foreign Language (TOEFL) or a 6.0 on the International English Language System (IELTS).

Course requirements

Previous coursework will be evaluated by program coordinator and prerequisite exceptions will be made based off of course content and knowledge.

Required courses - 12 hours total


Required courses

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SPE 619 | Methods I: Cognitive and Behavioral Teaching Approaches for Exceptional Learners | 3 hrs |
| SPE 660 | Working with Families of Exceptional Individuals | 3 hrs |
| SPE 710 | Problems in Special Education | 3 hrs |
| SPE 780 | Impact of Contemporary Issues and Diversity in Special Education | 3 hrs |




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International Perspectives in K-12 Special Education



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Graduate programs

Certificate in International Perspectives in K-12 Special Education

Tamara Arthaud, Graduate Program Coordinator

Park Central Office Building, Room 121

Phone: 417-836-6951

TamaraArthaud@missouristate.edu (mailto:TamaraArthaud@missouristate.edu)

Note: This certificate program is not eligible for Federal Financial Aid.

Program description

This certificate provides coursework to improve or broaden the student's cultural competence and understanding of special education and disability-related instructional practices. Students will receive exposure

to international approaches to education for persons with disabilities, and will complete one study away experience with an emphasis on K-12 special education in an international setting. The goal of this certificate will be to broaden the graduate student's perspective regarding education in the global society and the implementation of special education programs and services for children and adults with disabilities.

Note: This certificate program is not eligible for Federal Financial Aid.

Admission criteria

The International Perspectives in K-12 Special Education Graduate Certificate Program is open to all interested persons eligible for graduate coursework. International students must meet Missouri State University language proficiency standards through one of the following procedures: TOEFL-IBT score of 79, IELTS score of 6.0, or Missouri State English Language Institute (ELI) completion of Level 5; however, the language requirement may be waived through successful interview with departmental committee.

Program requirements (9 hours)

Required courses

| Course code | Course title | Credit hours |
|-------------------------|--|--------------|
| | Requirement A: Foundation Course in Special Education - Choose one course from the following | |
| SPE 715 | Foundations in Special Education | 3 hrs |
| SPE 780 | Impact of Contemporary Issues and Diversity in Special Education (May be used only for requirement A or B, but not both) | 3 hrs |
| | Requirement B: Diversity or Education or Child and Family Development course - Choose one course from the following | |
| SPE 780 | Impact of Contemporary Issues and Diversity in Special Education (May be used only for requirement A or B, but not both) | 3 hrs |
| COU 714 | Social-Cultural Diversity in Counseling | 3 hrs |
| EAD 784 | Multicultural Issues Involving Human Relations and Collaborative Processes | 3 hrs |
| EAD 864 | Diversity and Community Relations | 3 hrs |
| SPE 607 | Services and Diversity in Blindness and Low Vision and Additional Disabilities | 3 hrs |
| ECE 675 | Working with Culturally and Linguistically Diverse Children and Families in Early Childhood | 3 hrs |
| RDG 600 | Diversity Issues in Literacy and Content Area Instruction | 3 hrs |
| EDC 701 | Teaching and Learning II: Diversity, Curriculum and Research | 3 hrs |
| SAE 727 | Inclusive Campus Environment | 3 hrs |
| | Requirement C: International Perspectives in K-12 Special Education Study Away course | |

| Course code | Course title | Credit hours |
|-------------------------|--|--------------|
| SPE 640 | International Experiences in K-12 Special Education - Study Away ([NOTE: For international candidates who seek the certificate through contracted partnerships with Missouri State University, the SPE 640 International Experience will be provided in the Southwest Missouri region.] | 3 hrs |
| | Requirement D: As needed. In the event that completion of required coursework does not result in minimum of 9 hours such as those students electing to take SPE 607 for 2 hours of credit, students may select related electives as approved by the Special Education Program Coordinator or CLSE Department Head. Recommended electives include, but are not limited to: | |
| SPE 664 | Language Development of Exceptional Students | 2 hrs |
| SPE 710 | Problems in Special Education | 1 hr |




Completion requirements

Students must take a minimum of 9 hours as designated and approved, and must have an average cumulative grade point average of 3.0 or better in the courses required to receive the certificate. Students must satisfy all prerequisites for any courses they take in the program, or they must obtain instructor approval to waive any prerequisites.



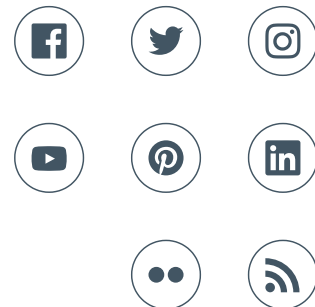
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Orientation and Mobility



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Certificate In Orientation and Mobility

Program description

The Graduate Certificate in Orientation and Mobility is available to nondegree-seeking individuals or as a component of the Masters degree in Special Education, Visual Impairment emphasis. The Orientation and Mobility (O&M) certificate is designed to meet regional needs and is aligned to the standards set by the Association of Education and Rehabilitation of the Blind and Visually Impaired (AER) and Academy of Certification of Vision Rehabilitation and Education Professionals (ACVREP). Small cohorts of individuals who desire to pursue certification in O&M will be identified based upon geographic need and individual qualifications. The instructor(s) for SPE 712 and SPE 760 will conduct a very intensive course in which participants will spend several hours each day over eight weeks under the blindfold practicing instructional techniques and strategies of O&M. SPE 760 is the internship course and participants must meet rigid standards set by AER and ACVREP. Prerequisites may be required based on transcript analysis.

Entrance criteria

To be considered for the program, a student submit a Graduate Application for admission to the certificate program.

Required courses

| Course Code | Course Title | Credit Hours |
|--------------------------|--|---------------|
| SPE 606* | Principles of Orientation and Mobility | 2 hrs |
| SPE 608* | Low Vision, Anatomy and Physiology of the Eye | 2 hrs |
| SPE 712 | Instructional Techniques and Strategies of Orientation and Mobility | 6 hrs |
| SPE 714* | Professional Issues Related to Orientation and Mobility with Diverse Populations | 3 hrs |
| SPE 730 | Health, Functional, and Psychological Aspects of Disabilities | 2 hrs |
| SPE 760 | Internship in Orientation & Mobility | 3 hrs |
| | Total (Minimum) | 18 hrs |

*Offered via internet.




GPA requirements

Attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.



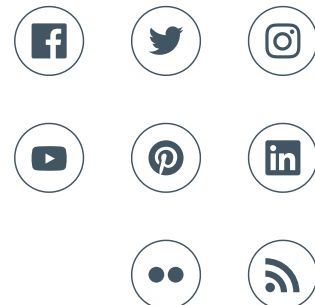
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Missouri State

Graduate College

Graduate Catalog

Perspectives About the American Higher Education System



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Graduate programs

Graduate Certificate in Perspectives About the American Higher Education System

This program is a contract program which provides a graduate-level experience for international students to have intensive experience in the American Higher Education arena.

Gilbert Brown, Program Coordinator

Hill Hall, Room 207; Phone 417-836-6769

GilbertBrown@MissouriState.edu (mailto:GilbertBrown@MissouriState.edu)

Program description

The Graduate Certificate in Perspectives about the American Higher Education System is a contract program, which provides a 9-hour graduate-level experience for international students to have intensive experience in the

American Higher Education arena. This certificate would fill a special niche for international students who, predominately, already possess a doctorate in their own country in areas of science, math, and languages. The students have requested intense experiences in American colleges and universities, including public and private institutions.

Note: This certificate program is not eligible for Federal Financial Aid.

Entrance criteria

To be considered for the program, a student must formally apply to the university for admission to the certificate program. Admission is typically granted to cohorts of students.


Required courses (9 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| SAE 755 | Reflections about American Higher Education System | 3 hrs |
| SAE 748 | Special Projects: Practicum 1: Perspectives about American Higher Education | 3 hrs |
| SAE 748 | Special Projects: Practicum 2: Perspectives about American Higher Education | 3 hrs |





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Play Therapy



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Certificate in Play Therapy

Jeffrey Cornelius-White, Program Coordinator

Park Central Office Building, Room 122

Phone 417-836-6517; Jcornelius-white@missouristate.edu (mailto:Jcornelius-white@missouristate.edu)

Program description

The Graduate Certificate in Play Therapy provides a 9 hour graduate-level experience for students in counseling, counselors and other mental health professionals who are interested in play therapy practice. The program provides for the acquisition of specific knowledge and skills necessary for understanding and practicing play therapy, and draws on research-based principles and findings. The certificate is designed to provide the coursework to achieve the Registered Play Therapist and Registered-Play Therapist-Supervisor credentials from the Association for Play Therapy. Through an introduction and advanced study of play therapy in school and mental health contexts with individuals, groups, and families, students will benefit from experiential and instructional methods to become excellent practitioners in play therapy.

Admission criteria

To be considered for the program, a student must have a 3.0 grade point average as well as apply and be admitted to or in possession of the Masters in Counseling or a closely related Graduate Degree. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required courses - 9 hours total

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| COU 708 | Play Therapy and Child Counseling Techniques | 3 hrs |
| COU 757 | Group Counseling Through Play | 3 hrs |
| COU 700 , COU 765 , COU 782 , COU 788 , COU 789 , COU 790 , COU 795 | Special Topics Classes Explicitly Related to Play Therapy with Advisor Approval | 3 hrs |




Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.



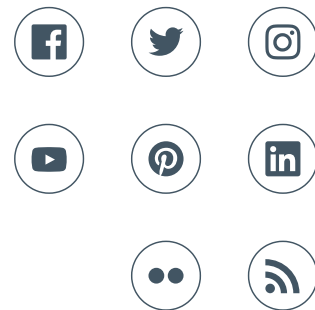
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School Counseling



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Graduate programs

Certificate in School Counseling

Jeffrey Cornelius-White, Program Coordinator

Park Central Office Building, Room 122

Phone 417-836-6517; Jcornelius-white@missouristate.edu (mailto:Jcornelius-white@missouristate.edu)

Program description

The Graduate Certificate in School Counseling provides a 17-hour graduate-level experience for students in counseling, counselors, and other mental health professionals who are interested in the practice of school counseling. The program provides for acquisition of specific knowledge, skills, and supervised practice necessary for understanding and practicing school counseling, and draws on research-based principles and findings. The certificate is designed to provide coursework necessary to pursue elementary and secondary school counseling certification in the state of Missouri and potentially other states. The certificate alone does not satisfy the requirements for MO state certification. Possession of a Masters degree in counseling or closely related degree and state assessments (typically taken concurrently to the coursework in this certificate) are also

needed. Additional prerequisite coursework and/or other qualifications may be necessary in individual instances.

Admission Criteria

To be considered for the program, a student must have a 3.0 grade point average as well as apply and be admitted to or in possession of the Masters in Counseling or a closely related Graduate Degree. Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. The program faculty, or their designee, will define probationary conditions. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Required Courses - 17 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| COU 703 | Professional Orientation and Ethical Practice in School and Mental Health Counseling | 3 hrs |
| COU 704 | Introduction to School Counseling | 2 hrs |
| COU 708 | Play Therapy and Child Counseling Techniques | 3 hrs |
| COU 716 | Adolescent and Young Adult Counseling in School and Mental Health Settings | 1 hr |
| COU 779 | School Counseling Practicum | 2 hrs |
| COU 781 | Secondary School Counseling Internship | 3 hrs |
| COU 783 | Elementary School Counseling Internship | 3 hrs |
| Total | | 17 hrs |



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Missouri State

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Special Education Director



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Certificate in Special Education Director

Kim Finch, Certificate Coordinator

Park Central Office Building, Room 115

Phone 417-836-5192; KimFinch@missouristate.edu (mailto:KimFinch@missouristate.edu)

Program description

A 14 credit hour Missouri State University Special Education Director Graduate Certificate is available to post-master's individuals or as an added component of the Master's degree in Educational Administration (Elementary or Secondary Principal). The certificate is also offered to students who have completed an Educational Specialist in Educational Administration (Elementary, Secondary or Superintendent). The Graduate Certificate provides students with Department of Elementary and Secondary Education certification as a Special Education Director (K-12) while acquiring advanced knowledge and skills in the fields of educational administration and special education. Course work is designed to reflect State and National standards with demonstrated mastery of competencies through research-based projects.

Admission criteria

To be considered for the program, a student must submit a Graduate Application. A student must also have a Master's or Specialist degree in Educational Administration. Candidates must submit a written "Statement of Purpose" containing long-term goals of leadership; a professional reference from an immediate supervisor regarding performance; and a copy of appropriate teacher certificate of eligibility for certification by a state agency as a K-12 building – or district level- administrator; documentation of 3.5 GPA in graduate degree program. Candidates will also be required to complete an individual interview with the advisor prior to admission.

Required courses

(Add Educational Administration courses are taught **Missouri State Direct**, live interactive technology)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| EAD 787 | Administration of Special Programs | 3 hrs |
| SPE 782 | Advanced Diagnosis & Remediation of Students* | 4 hrs |
| SPE 792 | Advanced Diagnosis & Remediation of Students – Lab | 2 hrs |
| SPE 671 | Clinical Practicum in Special Education | 1 hr |
| SPE 780 | Impact of Contemporary Issues & Diversity in Special Education * | 3 hrs |
| EAD 884 | Internship: Special Education Director – Part I | 1 hr |
| EAD 885 | Internship: Special Education Director – Part II | 1 hr |
| | Total (Minimum) | 15 hrs |

*offered via the internet

GPA requirements

Attain a grade point average of at least 3.50 on all graduate course work at Missouri State University.




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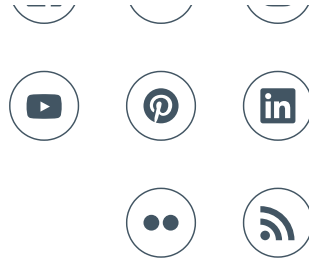
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Special Education Technology and Innovation



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Certificate in Special Education Technology and Innovation

Reesha Adamson, Program Coordinator

Park Central Office Building, Room 103

RAadamson@MissouriState.edu (<mailto:RAadamson@MissouriState.edu>)

Program description

The Graduate Certificate in Special Education Technology and Innovation provides a 9-hour graduate-level experience for school administrators, teachers, and individuals working at the school building level. The program provides specific knowledge about differentiation and embedding technology and assistive technology to meet the needs of students with disabilities and other diverse learners in educational environments. The certificate is interdisciplinary in nature and provides competencies in various types of instructional and assistive technology. This certificate also will contain the opportunity for acquisition of nationally recognized micro-credentials commonly recognized by educational community. This certificate is a Missouri State University certificate and **does not meet Missouri State Certification requirements for teaching.**

Admissions criteria

1. Completion of the baccalaureate degree from an accredited college or university.
2. A personal statement that addresses the applicant's professional career goals and how the program will help accomplish these goals.
3. Two letters of recommendation.
4. A brief resume or curriculum Vita.
5. Students for whom English is a second language must earn a minimum score of 79 (internet-based) on the Test of English as a Foreign Language (TOEFL) or a 6.0 on the International English Language System (IELTS).

Required courses - 9 hours total

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| SPE 779 | Application of Technology in Special Education | 3 hrs |
| SPE 784 | Advanced Procedures in Teaching Students with Mild to Moderate Disabilities | 3 hrs |
| SPE 787 | Advanced Behavioral Analysis and Intervention | 3 hrs |

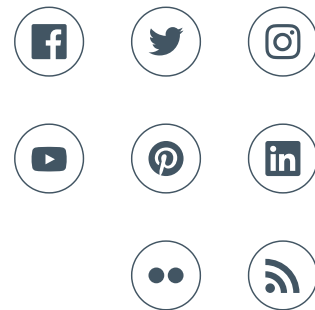


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Missouri State


Graduate College

Graduate Catalog

Department of Reading, Foundations and Technology

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Teaching and Learning](#) (MATL)

[Literacy](#) (MSEd)  

[Educational Technology](#) (MSEd)  

[Teaching](#) (MAT)

Specialist programs

[Teacher Leadership](#) (EdS)

Certificates

[College Teaching](#) (Certificate)

[Online Teaching and Learning](#) (Certificate)

[Dyslexia](#) (Certificate)

[Teacher Leadership](#) (Certificate)

[Educational Technology](#) (Certificate) 

[Teaching and Learning](#) (Certificate)

[Literacy](#) (Certificate)

Accreditation

- Missouri Department of Elementary and Secondary Education – Literacy (MSEd), and Master of Arts in Teaching (MAT)
- Council for the Accreditation of Educator Preparation – Educational Technology (MSEd), Literacy (MSEd), Master of Arts in Teaching (MAT), Master of Arts in Teaching and Learning (MATL), and Specialist in Education, Teacher Leadership

Assessment

Students in the Educator Preparation Providers (EPP) program or the College of Education will be required to purchase a subscription to Taskstream (comprehensive portfolio system).

Contact

Department Head

Stephanie Huffman

Office

Hill Hall, Room 317B

Phone

417-836-6769

Fax

417-836-6252

Email

RFT@MissouriState.edu

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Website


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Professors

Ching-Wen Chang

David L. Hough

Steven P. Jones

Sarah Nixon

Cathy Pearman

Associate professors

Rebecca Swearingen

Assistant professors

Jamie Atkinson

Pamela Correll

Kewman Lee

Kayla Lewis

Julia Novakowski

Instructors

Annice McLean

Per course faculty

Donna Aldrich

Judy Brunner

Amy Dunn

Jana Elfrink

Nicholas Farha

Nancy Gordon

Shannon Robinson

Emmett Sawyer

Julie Schaefer

Eric Shively

Vicki Schmitt

Tracy Tindle

Emeritus professors

L. Dale Allee

Stefan Broidy

N. June Brown

John Wordy Buckner

Deanne Camp

Genevieve R. Cramer

David Goodwin

Fred Groves

Beth Hurst

Dennis Kear


Randall Wallace




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Missouri State

Graduate College

Graduate Catalog

Reading, Foundations and Technology Courses

Education (EDC) courses

EDC 700 Teaching and Learning I: Current Issues and Trends in Education

Prerequisite: bachelor's degree and certification as a classroom teacher.

This course examines educational issues, questions, concerns, and trends teachers face in their schools and daily practices. The impact of national and state policy-making, directions suggested by emerging educational research, and current educational reform efforts will receive particular attention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Fall |

EDC 701 Teaching and Learning II: Diversity, Curriculum and Research

Prerequisite: EDC 700; bachelor's degree and certification as a classroom teacher.

This course engages students with research projects and curriculum ideas designed to strengthen and deepen student learning, with a special emphasis on questions of student diversity. The course helps students to formulate questions and use appropriate research principles to collect, analyze, interpret, and report data in order to evaluate the effectiveness of classroom instruction and educational policies. Students examine different curriculum models and theories and devise instructional practices to meet the needs of all learners.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Spring |

EDC 702 Teaching and Learning III: Management and Assessment of Learning

Prerequisite: EDC 700 and EDC 701; bachelor's degree and certification as a classroom teacher.

This course examines the reasons for, benefits of, and limitations of the increasing call for effective and comprehensive assessment practices and helps teachers plan for, construct, use, and analyze a variety of assessment practices. This course also examines various models of and approaches to classroom management and discipline and the relation of management practices to effective learning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Fall |

EDC 703 Teaching and Learning IV: Curriculum Development

Prerequisite: EDC 700 and EDC 701 and EDC 702; bachelor's degree and certification as a classroom teacher.

This course engages students in a careful examination of the curriculum they teach, from district curriculum goals, national curriculum standards, and course- or grade-level goals. The course encourages reflection about instructional practices in light of curriculum goals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

EDC 704 Teaching and Learning V: Research Seminar

Prerequisite: EDC 700 and EDC 701 and EDC 702; bachelor's degree and certification as a classroom teacher.

An in-depth study related to a research topic identified earlier in the program or curricular project begun as part of a learning team, leading to the guided development and completion of an extensive research paper.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

EDC 786 Research Seminar in Education

Prerequisite: SFR 780.

An in-depth study of chosen topic in K-12 education leading to the guided development and completion of an extensive research paper or major creative work.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

EDC 800 Teacher Leadership I: Contemporary Educational Problems

Prerequisite: bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines current educational problems at the macro-social level and how current trends in education ease or exacerbate those problems. These problems include, but are not limited to, the achievement gap, charter schools, socio-economics, homelessness, school funding, race/gender, community-school relationships, the social impact of technology, public school funding, the state of democracy, and so forth.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Fall |

EDC 801 Teacher Leadership II: Diversity and Curricular Design

Prerequisite: EDC 800; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines diversity and our shrinking global relationships through the lens of various theoretical perspectives (feminist, critical race theory, queer theory, etc.) as the means to critique current curriculum models and construct more culturally response curriculum for 21st century students. Participants will lead in the creation of curriculum that is responsive to their particular students, has a global perspective, and is mindful of ability differences

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Fall |

EDC 802 Teacher Leadership III: Building Classroom Climate and Effective Student Assessments

Prerequisite: EDC 800 and EDC 801; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course examines various philosophical bases for creating successful classroom communities and reasonable strategies for assessment student growth. This course also examines the myriad ways that classroom community understandings impact why and how students might be assessed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 4 | Fall |

EDC 803 Teacher Leadership IV: Curriculum Theory

Prerequisite: EDC 800 and EDC 801 and EDC 802; bachelor's degree and certification as a classroom teacher; master's degree in an education related field.

This blended (online and face-to-face) course engages students in a critical examination of curriculum theory as the basis for making curricular decisions. The course encourages reflection about curriculum goals in light of contemporary and historically understood curriculum theory.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

Educational Technology (EDT) courses

EDT 630 Technology Systems Management and Maintenance

This course will include an introduction to computer and peripheral hardware, microcomputer operating systems and education-related software packages, and the management of computers in a classroom or school setting. The management and maintenance of a system of computers is useful in many educational, instructional, communication and media production settings. Educational technology students should be prepared to troubleshoot and resolve basic technology problems that occur in an educational setting. Therefore, a variety of education-specific topics will be presented in this course. May be taught concurrently with EDT 530. Cannot receive credit for both EDT 630 and EDT 530.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

EDT 640 Technology Administration and Management

This course is designed to provide technology specialists, technology coordinators, library media specialists, school administrators and educators with a working knowledge of the administrative processes and concerns of

operating an educational technology support facility. The primary focus will be toward leadership, strategic planning, and change management and writing technology plans. The content of this course is primarily structured for educational institutions but could be utilized for instructional and training systems in many types of industrial, religious, medical and corporate organizations that teach and train. May be taught concurrently with EDT 563. Cannot receive credit for both EDT 640 and EDT 563.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

EDT 660 Digital-Age Learning Environments

This online course covers uses of instructional systems design model to guide the student in systematically developing e-learning instruction. The theory and practice of e-learning environments to maximize learning for all including usability and accessibility concerns are examined. Practical and theoretical means for ascertaining the needs of learners, implementations of specific technologies to meet those needs, and assessment of the effectiveness of the e-learning environment in meeting learners' needs are presented. Students are expected to apply previously learned skills and knowledge including the principles and techniques for integrating current and emerging instructional technology to plan, create, and manage an e-learning project in a real-world context. May be taught concurrently with EDT 560. Cannot receive credit for both EDT 660 and EDT 560.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

EDT 661 Online Teaching and Pedagogy

This course provides students interested in online teaching with best practices in distance learning, pedagogical principles associated with the online learning environment, and technology tools to support online teaching and learning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

EDT 662 Educational Applications of Computers for Teaching

Using microcomputers in educational settings. Includes the investigation of software in desktop publishing, record management and multimedia applications. Special emphasis will be given to selection of appropriate programs for specific classroom utilization as well as computer interfaced peripheral devices. May be taught concurrently with EDT 562. Cannot receive credit for both EDT 662 and EDT 562.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

EDT 665 Selection and Utilization of Educational Technology

Targets principles of attention, perception, and retention regarding selection and implementation of instructional strategies. Students apply instructional design principles and learning theories to develop professional products; develop and implement evaluation strategies for hypermedia materials; combine electronic and non-electronic media; use telecommunications tools for production purposes; and integrate a variety of instructional technology tools. May be taught concurrently with EDT 565. Cannot receive credit for both EDT 665 and EDT 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

EDT 690 Topical Issues in Educational Technology

A variable credit course with amount of credit based on the extent of the work required. Special topics related to the field of Educational Technology which may broaden the scope of the program of study. May be repeated up to a maximum of 6 hours. May be taught concurrently with EDT 597. Cannot receive credit for both EDT 690 and EDT 597.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

EDT 696 Continuing Education in Educational Technology

Special topics related to Educational Technology for continuing professional development. A variable credit course with amount of credit based on the extent of work required. May be repeated to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

EDT 763 Administration of Educational Technology

Emphasis is placed on management skills including budgeting; facility design; policies and procedures; selection and utilization; evaluation; assessment and other topics related to coordinating an educational technology

program at a building, district, institutional or organizational level.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

EDT 764 Instructional Design

Emphasis on the analysis and development of instruction for large group, small group, and individual student instruction. The utilization of systems approaches and packaged instructional forms will be stressed. The course will integrate systems approaches with learning theory involving educational technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

EDT 765 Educational Media Production

Principles and techniques of designing and producing advanced forms of media software materials in video, audio, and photography formats with emphasis on multi-media that includes computer generated graphics interfaced with video and audio editing as well as more basic production techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Summer |

EDT 767 Educational Technology Practicum

This is a field-experience based course that requires the student to spend a minimum of 20 clock hours in a working environment where educational media technology services and programs are used or developed. The practicum may include: school media services: university programs, development centers in industry, government or medical programs, educational TV studios, computer facilities or other media production venues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Upon demand |

EDT 770 Fundamentals of Computer Networking, Cloud Based Technology, and Internet Safety

This introductory graduate course will provide a foundational understanding of networking, cloud based storage, and internet safety. Learners in this course will gain an understanding of office and business networking, using the cloud for storage and safety, and types of internet attacks that they may face. Students will learn how to evaluate the needs of their organization and come to terms with the vulnerabilities or breaches they could face when implementing new technologies and explore ways to protect their organizations online.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

EDT 777 Problems in Educational Technology

Research in or in-depth examination of issues and problems in the field of Educational Technology. May be repeated up to a maximum of 3 hours when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

EDT 797 Educational Technology Special Research Project

Prerequisite: SFR 780.

An extensive multimedia production project which results in a functional product with extensive written documentation to support its use as a research or instructional tool which could provide results for extended research and publication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

EDT 798 Research Seminar in Educational Technology

Prerequisite: SFR 780.

An extensive research paper focused on the field of instructional Design and Technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

EDT 799 Educational Technology Thesis

Prerequisite: SFR 780.

Independent research and study connected with preparation of a thesis in the field of Educational Technology. The paper will consist of original or creative research accountable to committee review and defense. May be repeated for a maximum of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Upon demand |

Middle School (MID) courses

MID 725 Advanced Theory and Practice in the Teaching of Early Adolescents

Materials, methods, and procedures for designing developmentally appropriate learning experiences for early adolescents; current trends and issues in the field.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MID 810 The Middle School-The Junior High School

An examination of educational programs most appropriate for students in late childhood and early adolescence with emphasis upon the philosophy, curriculum, instruction, and organization of middle schools and junior high schools.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Reading (RDG) courses

RDG 600 Literacy Projects

This course is designed to provide students an opportunity to informally assess and tutor adults or children exhibiting literacy difficulties. Students are expected to have an increased awareness and understanding pertaining to literacy and to recognize the importance of improving the educational process of adults and children. Number of class hours determined by semester hours of credit. Cannot be substituted for any required

reading/literacy course. May be repeated to a total of 3 hours. May be taught concurrently with RDG 599. Cannot receive credit for both RDG 599 and RDG 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

RDG 624 Analysis and Correction of Difficulties in Adolescent Literacy

Prerequisite: RDG 474 or concurrent enrollment, or equivalent.

Techniques of analysis and correction of difficulties in literacy for middle school and secondary teachers whose students struggle with literacy skills, such as reading and writing in content areas. Trends in dealing with diagnostic procedures, instructional techniques, special materials, evaluative devices, instructional interventions for students with reading deficits, and community-based experiences for practical implementation. Students concentrate study within their discipline and level of certification. May be taught concurrently with RDG 574. Cannot receive credit for both RDG 574 and RDG 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

RDG 631 Introduction to Dyslexia: Literacy Development, Language, and the Brain

Prerequisite: admission to the graduate certificate in Dyslexia program.

This course will begin with an overview of dyslexia. Historical issues, relevant laws and policies, as well as current legislation will be discussed. Students will learn common characteristics and possible identifiers of children with dyslexia and related language difficulties. Common misconceptions and myths related to dyslexia will also be addressed. Foundations of literacy development and an in-depth study of language processing, including orthographic, phonological, semantic, syntactic, and discourse, will be included. This course also addresses the neurobiological aspect of dyslexia, including the role of attention, executive functioning, memory, and processing speed in reading and writing development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

RDG 632 Assessment Procedures for Students with Dyslexia

Prerequisite: permission from graduate Literacy Program Coordinator.

This course focuses on assessment procedures and techniques for working with exceptional children, with a strong emphasis on determining whether or not children display characteristics of dyslexia. The course will address differences among screening, diagnostic, outcome, and progress-monitoring assessments, and when it would be most appropriate to use each type of assessment. Students enrolled in the course will also learn how to use assessment results to plan interventions and guide instruction for children with dyslexia or other learning difficulties.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

RDG 633 Interventions for Students with Dyslexia

Prerequisite: permission from graduate Literacy Program Coordinator.

This course provides students with information on research-based strategies and interventions for use with children identified as dyslexic. Students will learn effective ways to support children who experience difficulties in various aspects of literacy development. The course focuses on explicit instruction and interventions using a multisensory approach. Students will learn how to provide instruction in all areas of literacy, including phonemic awareness, phonics, fluency, vocabulary, comprehension, spelling, and writing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

RDG 634 Dyslexia Practicum: Assessments and Interventions

Prerequisite: permission from graduate Literacy Program Coordinator.

This practicum course allows students to work in a one-on-one setting with a child identified as dyslexic or one displaying characteristics of dyslexia. The course allows students to integrate theoretical and practical knowledge gained from previous courses to administer assessments and plan appropriate interventions. Students will submit assessment results, lesson plans, progress monitoring data, in addition to videoed lessons.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

RDG 640 Analysis and Correction of Difficulties in Literacy

Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent.

Techniques of analysis and correction of difficulties in literacy for elementary, secondary, special education and reading/literacy teachers. Trends in dealing with diagnostic procedures, instructional techniques, special

materials, and assessment. Students concentrate study within their level of training. May be taught concurrently with RDG 540. Cannot receive credit for both RDG 640 and RDG 540.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

RDG 656 Topical Issues in Literacy

Prerequisite: permission may be required (see class schedule).

To develop understanding and skills in relevant areas of literacy education. Credit hours may vary depending on topic. Variable content course. May be repeated to a total of 5 hours when topics change. A maximum of 3 hours may be used toward degree. May be taught concurrently with RDG 556. Cannot receive credit for both RDG 556 and RDG 656 on same topic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

RDG 660 Diversity Issues in Literacy and Content Area Instruction

Designed for preservice and practicing elementary, middle, and high school teachers working on undergraduate degrees in Elementary Education or Secondary Education; as well as graduate degrees in Literacy, Elementary Education, MAT, or other MS or MSED graduate degrees. Students will expand their knowledge of racial, cultural, ethnic, linguistics, and socio-economics diversity; and learn strategies to implement diversity issues into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of diversity through a wide variety of course readings, multicultural literature, videos, guest speakers, multicultural interview, and community field trips. May be taught concurrently with RDG 560. Cannot receive credit for both RDG 560 and RDG 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

RDG 665 Cultural Diversity in Literacy and Instruction: Classrooms and Community

Designed for preservice and practicing middle and high school teachers working on graduate degrees in Literacy, Educational Technology, Master of Arts in Teaching, Master of Arts in Teaching and Learning, Elementary Education, or other MS, MA or MEd graduate degrees. Students will expand their knowledge of

ethnicity, race, socio-economics status, gender, exceptionalities, language, religion, sexual orientation, and geographic areas in the context of classrooms, schools, and community; and learn strategies to implement diversity into their literacy instruction and/or content area lessons. Students will be introduced to different aspects of domestic and global diversity through a wide variety of course readings, culturally diverse literature, instructional videos, documentaries, webcasts, and intercultural interviews. May be taught concurrently with RDG 565. Cannot receive credit for both RDG 665 and RDG 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

RDG 673 Psychology of Global Literacies

The study of the mindset and behaviors involved in the acquisition and application of literacy from multicultural and global perspectives. Students will investigate and analyze the connections between language, literacy, and culture in schools and communities within a global setting. Students will examine the purpose and function of literacy while reading multicultural and international fiction and nonfiction literature. May be taught concurrently with RDG 573. Cannot receive credit for both RDG 673 and RDG 573.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

RDG 680 Successful Classroom Communities to Enhance Student Learning

Integration of areas supporting student learning including productive interactions with families. Concentrated modules on literacy learning of regular education students, struggling readers, and exceptional students. Basic principles in effective communication with parents and other professionals to reinforce appropriate classroom learning. Cannot be substituted for any course required for Special Education degrees or certificates. May be taught concurrently with RDG 580. Cannot receive credit for both RDG 680 and RDG 580.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Summer |

RDG 685 Techniques of Responsive Support in the Literacy Classroom

Techniques to support positive, active learning through appropriate response to intervention plans within the literacy classroom. Study of alternative and appropriate behaviors to meet students' needs in acceptable ways through modeling, guided practice, and cueing within a supportive environment, which includes teachers,

parents, and other stakeholders in student's learning. Cannot be substituted for SPE 515, 615, 616, or any course required for a SPE degree or certificate. May be taught concurrently with RDG 585. Cannot receive credit for both RDG 585 and 685.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Summer |

RDG 700 Relationship of Language to Literacy and Intellectual Development

Utilizing elements of language and intellectual development which provide the basis for the development of appropriate literacy skills. Helping teachers gain skill in using teaching strategies which help children develop language and intellectual competencies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Spring |

RDG 710 Content Area Literacy

Teaching subject matter in content areas in ways for utilizing and further developing fundamental literacy; effective reading and writing skills, vocabulary development in specific areas, study skills, utilization of cognitive processes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

RDG 720 Use of Multi-Media Resources in Literacy

Criteria, methods and tools for selection and effective utilization of both print and nonprint material, enhancing and encouraging competency in literacy; production of materials utilizing various media. Students concentrate study within their level of training (elementary or secondary.)

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Upon demand |

RDG 730 Assessment and Instruction of Less Skilled Readers and Writers

Prerequisite: RDG 318; or both RDG 420 and RDG 421, or equivalent.

Supervised small group practice in a clinical setting assessing and instructing students who are experiencing difficulty learning to read and write. Planned with and directed by a graduate faculty member. Less intensive and more generalized clinical experience for those not intending to pursue Special Reading Teacher certification. Cannot be substituted for any course required for special reading certification (RDG 540/640, 780, 781, or 782). Students in Literacy program must enroll for 6 hours, others may enroll for 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Upon demand |

RDG 740 Issues and Trends in Literacy Education

Provides intensive study of significant issues and trends in literacy education. Emphasis on locating and analyzing current issues and trends and encouraging teachers and administrators to apply the information to research-based best practices in the classroom.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

RDG 770 Curriculum Design in Literacy

This course examines the theories and research on literacy from comprehension to implications for instructional practice. Candidates will gain knowledge and share with classmates influences on the teaching of literacy, which may include practices from historical to contemporary times. Research and read literature to prepare for establishing a total school literacy curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

RDG 780 Assessment Procedures for the Literacy Specialist

Prerequisite: RDG 640.

Designed especially for the special reading teacher or literacy coach who needs an advanced course for special reading teacher certification. Psycho-educational testing techniques, multisensory teaching techniques, report writing, resource personnel, and clinic operations will form the basis for this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

RDG 781 Assessment of Literacy Problems

Prerequisite: RDG 780; and concurrent enrollment in RDG 782.

Supervised individual practice diagnosing literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring, Summer |

RDG 782 Remediation of Literacy Problems

Prerequisite: RDG 780; and concurrent enrollment in RDG 781.

Supervised individual practice with remedial procedures for literacy problems. Students work with elementary, secondary, or adult learners. Includes 4 hours of practicum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring, Summer |

RDG 791 Problems in Literacy Education

In consultation with the advisor, major issues in the field of literacy education are selected for investigation through independent study. Number of hours of involvement determined by semester hours of credit. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

RDG 795 Research Seminar in Literacy

Prerequisite: SFR 780.

An in-depth study of a topic in literacy, leading to the guided development and completion of an extensive research paper.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

RDG 799 Thesis

Prerequisite: SFR 780.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Secondary Education (SEC) courses

SEC 622 Philosophy of Vocational Education

Philosophical foundations of vocational education; philosophies of vocational education in contemporary school. Identical with AGV 622. May be repeated to a total of 3 hours. May be taught concurrently with SEC 522. Cannot receive credit for both SEC 522 and SEC 622.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SEC 626 Coordination of Cooperative Education

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Restricted to those who can qualify as coordinators. Identical with AGV 626. May be repeated to a total of 2 hours. May be taught concurrently with SEC 526. Cannot receive credit for both SEC 526 and SEC 626.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

SEC 627 Teaching Adults in Vocational Education

Rise of the adult education movement; learning abilities, educational interests and vocational needs of adults; problems and procedures in organizing and operating adult education programs; relationship of adult education

to public school education. Identical with AGV 627 and AGE 608. Cannot receive credit for SEC 627 and AGV 627 and AGE 608. May be taught concurrently with SEC 527. Cannot receive credit for both SEC 527 and SEC 627.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SEC 628 Measurement and Evaluation of Vocational Education Programs

Assessing specific program needs as determined from occupational surveys and other demographic data; follow-up techniques to evaluate the overall effectiveness of the program on manpower needs in a given labor market area. Identical with AGV 628. May be repeated to a total of 3 hours. May be taught concurrently with SEC 528. Cannot receive credit for both SEC 528 and SEC 628.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SEC 701 Secondary School Curriculum

Foundation course in the development and organization of the secondary school curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SEC 703 Seminar in Current Trends in Teaching English

Prerequisite: ENG 405.

For experienced teachers of English in grades 9-12; research and recent developments in teaching literature and composition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SEC 704 Seminar in Current Trends in Teaching Social Studies

Prerequisite: HST 418.

For experienced teachers of social studies in grades 9-12; research and recent developments in teaching various areas of social studies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SEC 705 Curriculum Construction in Business Education

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SEC 706 Seminar in Current Trends in Teaching Business Education

For experienced teachers of business education in grades 9-12; research and recent developments in teaching business education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SEC 707 Seminar in Current Trends in Teaching Mathematics

Prerequisite: MTH 409.

For experienced teachers of mathematics in grades 9-12; research in recent trends and developments in teaching mathematics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

SEC 708 Seminar in Current Trends in the Teaching of Biology

Prerequisite: SCI 414.

Methods of teaching biology; emphasizing modern techniques and developments in both the biological science curriculum and instructional procedures relating to that curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SEC 783 Internship in Teaching I

Prerequisite: SFR 797; complete appropriate background check and obtain current professional liability insurance.

A site-based clinical experience. Students will observe the operations of a school, serve as teacher aides and administrative aides in the school; and work closely with school and community service organizations. Students will also complete an on-going seminar through online or literature based delivery systems. Students will implement an initial Teacher Work Sample in a classroom under the supervision of a cooperating teacher.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

SEC 784 Internship in Teaching II

Prerequisite: SEC 783; and acceptance into the Master of Arts in Teaching degree program.

The candidate must have successfully completed the Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education, obtained current pre-professional liability insurance, completed the appropriate background check and be approved for supervised teaching. A semester-based supervised teaching experience. Students teach full time, under the supervision of a cooperating teacher and a University supervisor. Students also attend an ongoing seminar and design and implement a Teacher Work Sample required for graduation. The candidate's professional portfolio should be completed during this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 10 | 2 | 16 | Spring |

SEC 785 Internship in Teaching III

Prerequisite: SEC 783 and SEC 784.

Students will complete a professional preparation portfolio. The professional portfolio will be evaluated by instructors in order to determine how well the candidate demonstrated understanding of DESE content standards and MoSPE standards.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

Secondary Education, Foundations, And Educational Research (SFR) courses

SFR 621 Techniques for Teaching Adults

A survey of the principles, objectives and trends in instructional techniques for adult education. May be taught concurrently with SFR 521. Cannot receive credit for both SFR 521 and SFR 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 647 Guidance and Interpersonal Relationships in the Classroom

Appropriate classroom communication and interpersonal skills. Emphasis on the relationship between self concept development and achievement in a diverse student population. May be taught concurrently with SFR 547. Cannot receive credit for both SFR 547 and SFR 647.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 676 Topical Issues in Education

To develop further understanding and skills in the improvement of teaching procedures, curriculum, supervision, or administration. Each course is concerned with a single topic. Number of class hours determined by semester hours of credit. A maximum of 3 hours may be used on a degree program. Variable Content Course. May be taught concurrently with SFR 576. Cannot receive credit for both SFR 576 and SFR 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

SFR 681 Law and the Classroom Teacher

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Rights and responsibilities of classroom teachers as determined by the legal structure created by state and federal constitutions, legislative actions, and judicial decisions. Implications of legal foundations for teachers relative to ethics, relationships with students, colleagues, minority groups, professional organizations, and others. May be taught concurrently with SFR 581. Cannot receive credit for both SFR 581 and SFR 681.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 682 Contemporary Issues in Education

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

In-depth analysis of selected issues currently generating great interest and controversy in American education. Attention to the effects of the issues on the teaching profession, curriculum, instruction, and school personnel. May be taught concurrently with SFR 583. Cannot receive credit for both SFR 583 and SFR 682.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 695 Applications of Educational Measurement

Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.

Using the results of testing in schools. The role, advantages, and limitations of evaluative instruments and techniques in educational decision making. May be taught concurrently with SFR 595. Cannot receive credit for both SFR 595 and SFR 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 698 College Teaching Practicum

Prerequisite: permission of the coordinator of the College Teaching Graduate Certificate.

This is a field experience-based course that requires the student to spend a minimum of 20 clock hours in a college teaching environment where students observe, teach, and/or participate in professional activities in college teaching under the direction of a cooperating supervisor/faculty. Students will demonstrate effective teaching and behavior management techniques, as well as expertise in instructional planning and evaluation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 0 | 1 | Fall, Spring, Summer |

SFR 709 Individualizing Instruction

Training in various procedures for individualizing instruction at all grade levels.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 711 Principles and Organization of Student Activities

Acquaints teachers and administrators with problems and procedures involved in the organizations and supervision of student activities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 723 Organization and Administration of Adult Education

Theory and practice relating to the organization, administration, and supervision of adult education. Emphasis will be placed upon adult education programs in the public school and the junior-community college.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 724 Organization and Administration of Vocational Education

Problems, procedures and local, state and federal relationships in organization and administration of vocational education in the contemporary school. Identical with AGV 724. May be repeated to a maximum of 3 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SFR 730 Curriculum Construction in the School

Traditional, humanistic, and behavioristic approaches to advanced curriculum development in the school.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 750 Philosophies of Education

Philosophical problems of education; philosophical systems in America; their effect upon educational practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 753 Comparative Educational Systems

Comparative analysis of major ideas and institutions of selected international systems of education.

Comparisons between international systems of education and systems dominant in America.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 780 Educational Research Methodology

Survey of research methods used in education; research design and evaluation; problems of interpretation and application; development of a formal research proposal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

SFR 781 Applied Educational Research

Introduction to research methodologies utilized in educational research to include an exploration of qualitative, quantitative, and mixed methods research. Students will learn to examine, evaluate, synthesize, and apply research in their professional work. This course focuses on research to inform and improve upon an educator's pedagogical skills, the work of the school, and to meet the needs of students and community.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 791 Educational Workshop

Workshop to upgrade understandings and skills, concerned with the improvement of secondary teaching procedures, curriculum, supervision, administration or guidance. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. May be repeated to a maximum of 9 hours. Thirty clock hours equal one credit hour.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-9 | | | Upon demand |

SFR 792 Supervision of Student Teachers

Prerequisite: valid elementary or secondary teaching certificate.

For public school teachers cooperating in college student-teaching programs; organizing and directing work of the student teacher.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

SFR 793 Qualitative Research Methods

This course is focused on qualitative methods in the social sciences and specifically in educational research, including educational action research. Depending on prior research work, students will plan, implement, or further a qualitative or action research study. Students will learn firsthand about collecting and analyzing qualitative data, developing theories, and writing up the results. Students will also explore the role of educational action research in professional development, in improving classroom practices, and in developing school policy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SFR 794 Research Practicum

Prerequisite: SFR 780.

Conducting research projects with schools and other educational agencies. Students will be engaged in articulating research problems, reviewing literature, collecting and analyzing data, and presenting results.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SFR 796 Problems in Education

Specific problems in education related to needs and interests of the student. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SFR 797 Advanced Studies in Teaching and Learning

Prerequisite: admitted to the Master of Arts in Teaching program.

The purpose of this course is to develop deep understandings and skills regarding secondary teaching, procedures, methods, curriculum, supervision, administration and foundations. Candidates will be introduced to the electronic portfolio. Portfolio checkpoint one will occur in this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 9 | | | Upon demand |

SFR 799 Thesis

Prerequisite: SFR 780.

May be repeated to a maximum of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

SFR 858 Current Issues Affecting Education

This multi-disciplinary mini-course is composed of selected topics of current interest to all school personnel. Opportunities are provided for object examination of highly volatile controversies surrounding education. May be repeated for a total of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |


SFR 890 Field Research and Evaluation

Specifically designed to give each student the prerequisite skills and competencies necessary for completion of field study research project(s) as well as preparation for conducting on-the-job institutional research.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |




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Teaching and Learning



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Master of Arts in Teaching and Learning

Steven P. Jones, Program Coordinator

Hill Hall, Room 422;

Phone 417-836-5982

SPJones@missouristate.edu

Program description

The Master of Arts in Teaching and Learning (MATL) degree engages practicing teachers in serious, sustained, and quality discussions about teaching, learning, and the public schools. The degree is based on what teachers want: ideas, tools, strategies, knowledge, and understandings that make them better at what they do; space to work on their craft individually; and, opportunities to talk with colleagues about what is really important in their particular classrooms, schools, and communities. Please note: The MATL degree does not prepare (or certify) teachers to work as building principals.

The bulk of this degree (18 credit hours) is delivered on-site in a two-year cohort model. Teachers enrolled in this degree will meet with teacher colleagues enrolled in the Specialist in Education, Teacher Leadership (SETL) degree. Cohorts will identify common needs or concerns, deepen collaboration, and strengthen supportive collegial relationships. Degrees feature an inquiry project-based approach via an action research framework.

Each student will choose an emphasis or elective area (12 credit hours—with a wide range of options) and will have direct sustained involvement with MSU Education faculty.

Some MATL students go on to take our Specialist in Education, Teacher Leadership degree. There is an Accelerated Pathway for such students. See a description of this pathway in the Graduate Catalog, under Specialist in Education, Teacher Leadership.

Program Entrance requirements

To be admitted to the degree program, the student must complete the application process through the GradCAS system and submit all official college transcripts as well as a written statement including reasons for pursuing the program, including desired professional goals.

Degree requirements

Course Requirements 33 hours

Courses may count only once in meeting the 33 hours program course requirements.

Required Professional Learning Community Courses - 18 hours (No transfer courses allowed)

First Year (On-Site, cohort based)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EDC 700 | Teaching and Learning I: Current Issues & Trends in Education | 5 hrs |
| EDC 701 | Teaching and Learning II: Diversity, Curriculum & Research | 5 hrs |

Second Year (On-Site, cohort based)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EDC 702 | Teaching and Learning III: Management & Assessment of Learning | 5 hrs |
| EDC 703 | Teaching and Learning IV: Curriculum Development | 3 hrs |

Additional Required Course - 3 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EDC 704 | Teaching and Learning V; Research Seminar | 3 hrs |

Emphasis/Elective Area - 12 hours

Students will work with the Program Coordinator to choose an Emphasis Area or series of elective courses totaling 12 credit hours.


Comprehensive Examination

A comprehensive examination must be passed by the candidate before a degree will be granted. The major advisor is primarily responsible for working with faculty members to develop and evaluate the comprehensive examination.





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Educational Technology



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Graduate programs

Master of Science in Education, Educational Technology

Ching-Wen Chang, Program Coordinator

Hill Hall, Room 420; Phone 417-836-5353

CChang@MissouriState.edu (<mailto:CChang@MissouriState.edu>)

Program description

This interdisciplinary program is designed to accommodate individuals with various areas of professional interest in the field of educational technology and instructional design. Candidates include those interested in becoming technology coaches, specialists, or technology coordinators; school library media specialists; classroom teachers who wish to improve their technology skills; and individuals from higher education, medical, corporate, or other professional fields.

English Proficiency requirements for international students

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Proof of the proficiency in English is required if the primary language is not English. [Op5.09-4 English Proficiency](#) (https://www.missouristate.edu/policy/Op5_09_4_EnglishProficiency.htm)

Program admission requirements

To be admitted to the Educational Technology degree program, the student must apply through the GradCAS system and meet [Graduate College admission requirements](#) (https://www.missouristate.edu/Policy/Op5_01_4_GraduateStudentAdmission.htm).

Required Courses - 33 hours

General Requirements - 6 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|----------------------------------|--------------|
| SFR 780 | Educational Research Methodology | 3 hrs |
| SFR 750 | Philosophies of Education | 3 hrs |

Research Requirements - 3-6 hrs

| Course Code | Course Title | Credit Hours |
|---|--|---------------------------------------|
| EDT 797 or EDT 798 or EDT 799 | Educational Technology Special Research Project or Research Seminar in Educational Technology or Educational Technology Thesis | 3 hrs or 3 hrs or 3-6 hrs |

Diversity Requirements - 3 hrs

| Course Code | Course Title | Credit Hours |
|--|--|----------------------|
| RDG 660 or RDG 665 | Diversity Issues in Literacy & Content Area Instruction or Cultural Diversity Literacy & Instruction: Classrooms & Community | 3 hrs or 3 hrs |

Required Educational Technology Courses - 12 hrs

The degree program requires four core Educational Technology courses. These courses provide a foundation of competencies considered valuable for all areas of professional interest in the field of educational technology.

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EDT 665 | Selection and Utilization of Educational Technology | 3 hrs |
| EDT 763 | Administration of Educational Technology | 3 hrs |
| EDT 764 | Instructional Design | 3 hrs |
| EDT 765 | Educational Media Production | 3 hrs |

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| Course Code | Course Title | Credit Hours |
|-------------|-----------------------------|-----------------|
| | Electives | 6-9 hrs |
| | Total Hours Required | 33 Hours |

Suggested Electives

Applicable technology courses in the College of Education.

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EDT 630 | Technology Systems Management & Maintenance | 3 hrs |
| EDT 660 | Digital-Age Learning Environments | 3 hrs |
| EDT 661 | Online Teaching and Pedagogy | 3 hrs |
| EDT 662 | Educational Applications of Computers in the Classroom | 3 hrs |
| EDT 690 | Topical Issues in Educational Technology | 1-6 hrs |
| EDT 767 | Educational Technology Practicum | 2 hrs |
| EDT 777 | Problems in Educational Technology | 1-3 hrs |

Other electives, including electives from outside the department, which coincide with the interests of the student, may be added at the discretion of the Program Coordinator.

Comprehensive Examination

A Comprehensive Examination must be passed by the candidate before a degree will be granted. A description of the content and format of this examination is available from the Educational Technology Program Coordinator.

Accelerated Master's Degree Option- MEd, Educational Technology

The MEd, Educational Technology accelerated master's degree option provides exceptional Missouri State University undergraduate students the opportunity to enroll in a combined baccalaureate and master's degree program.

Eligible majors may apply for preliminary acceptance into the MEd, Educational Technology program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level Educational Technology courses that apply to both their undergraduate and graduate programs. Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be admitted into the accelerated master's program and complete a Mixed Credit Form (which requires approval from the Educational Technology Program Coordinator, the RFT Department Head and the Dean of the Graduate College). A student will be fully admitted to the Graduate College upon the completion of the requirements for the baccalaureate degree.

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Admission Requirements:

Junior standing, with an overall GPA of 3.25.




Graduate Coursework in EDT Taken by Undergraduates and Accepted into the Accelerated Master's Option:

EDT 665; EDT 662; EDT 660 and RDG 660 or RDG 665. Other courses may be substituted with approval from EDT Program Coordinator.

Students must complete the additional course requirements and number of required hours as listed in the result MEd, Educational Technology degree.

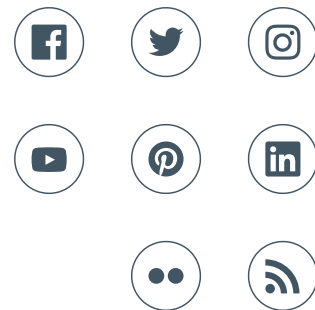


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Literacy



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Graduate programs

Master of Science in Education, Literacy

Kayla Lewis, Program Coordinator

Hill Hall, Room 209; Phone 417-836-4196

KaylaLewis@missouristate.edu (mailto:KaylaLewis@MissouriState.edu)

Program description

The purpose of the MEd-Literacy degree is to furnish students with the necessary knowledge and skills to be competent teachers of literacy from preschool through college. Also, persons completing the program will be qualified to supervise reading/literacy programs and may qualify as literacy coaches. The MEd-Literacy degree (along with either a child or an adolescent psychology course) results in students meeting course work requirements for the DESE Special Reading Teacher, K-12, Certification. A research component is required.

Entrance requirements

1. Admission decisions and assignment of an advisor will not be made until all required materials are submitted. A candidate may take up to nine hours as a nondegree-seeking student before being accepted into the program.
2. To be considered for admission to the program, a student must first submit a Graduate Application.
3. Official transcripts of all undergraduate and graduate course work must be submitted.
4. Applicants must also submit a letter of intent, which includes the candidate's teaching and professional goals, future plans, background and teaching experience.
5. Admission to the program requires the following minimum criteria:
 - a. appropriate teacher certificate or eligibility for certification by a state or national board; and
 - b. a minimum GPA of 3.00 for courses taken in undergraduate area of study. Candidates who do not meet the GPA requirement must take the Graduate Record Examination (GRE) earning a minimum combined score of 290. Results from the GRE must be provided prior to the candidate's registering for more than nine hours.

A candidate who does not meet all the above criteria, but who demonstrates outstanding potential, may be fully admitted by the Director and Graduate Admissions Committee on the basis of individual merit and successful completion of the first nine hours (3.00 GPA or higher).

Student program of study courses

The advisor and student will plan cooperatively a program designed to meet the student's needs.

Accelerated Master's Degree option - MEd, Literacy

The MEd-Literacy accelerated master's degree option provides exceptional MSU undergraduate students the opportunity to enroll in a combined baccalaureate and master's degree program.

Eligible BSEd majors may apply for preliminary acceptance into the MEd-Literacy program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 12 hours of graduate-level literacy courses that apply to both their undergraduate and graduate programs. Before enrolling in courses for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the Literacy Program Coordinator, the RFT Department Head, and the Dean of the Graduate College. This is done by using a mixed credit form. A student will be fully admitted to the Graduate College upon completion of the requirements for the baccalaureate degree, provided the student meets all other requirements for admission to the Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission requirements for Accelerated Master's Option

1. Junior standing, with an overall GPA of 3.25
2. BSEd major
3. Elementary majors - completed or enrolled in: RDG 318 or RDG 420, and RDG 421
4. Secondary majors - completed or enrolled in: RDG 474
5. Other BSEd majors - contact the Graduate Literacy Program Coordinator
6. Recommendation of a faculty member in the Literacy program

Graduate Coursework in Literacy Taken by Undergraduates and Accepted into the Accelerated Master's Option:

RDG 700 (3), RDG 640 (3); RDG 660 or RDG 665 (3); RDG 680 or RDG 685 (3). Other course may be substituted with approval from Graduate Literacy Program Coordinator.

Completion of MEd-Literacy requirements:

Students must complete the additional course requirements and number of required hours as listed in the regular MEd-Literacy degree.

Required courses

| Course Code | Course Title | Credit Hours |
|--|---|---------------|
| RDG 640 | Analysis and Correction of Difficulties in Literacy | 3 hrs |
| RDG 660 or RDG 665 | Diversity Issues in Literacy and Content Area Instruction or Cultural Diversity in Literacy & Instruction: Classrooms & Community | 3 hrs |
| RDG 680 | Successful Classroom Communities to Enhance Student Learning | 3 hrs |
| RDG 685 | Techniques of Responsive Support in the Literacy Classroom | 3 hrs |
| RDG 700 | Relationship of Language to Literacy and Intellectual Development | 3 hrs |
| RDG 710 | Content Area Literacy | 3 hrs |
| RDG 770 | Curriculum Design in Literacy | 3 hrs |
| RDG 780 | Assessment Procedures for the Literacy Specialist | 3 hrs |
| RDG 781 | Assessment of Literacy Problems | 3 hrs |
| RDG 782 | Remediation of Literacy Problems | 3 hrs |
| SFR 780 | Educational Research Methodology | 3 hrs |
| RDG 795* | Research Seminar in Literacy | 3 hrs |
| | Total | 36 hrs |

* This requirement waived if candidate elects Research Option 1, a thesis.

Research (3-6 hours)

Option I: Completion of a satisfactory thesis, RDG 799, in the candidate's discipline. This credit shall be no more than 6 hours of the minimum 39 required for the degree.

Option II: Completion of one research seminar, RDG 795, which shall require an extensive paper.

Comprehensive Examinations

A comprehensive examination must be passed by the candidate before a degree will be granted. A description of the content and format of this examination is available from the Coordinator of the Graduate Literacy Program.



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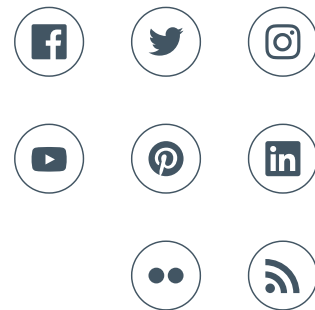
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Teaching



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Graduate programs

Master of Arts in Teaching

Pamela Correll, Program Coordinator

Hill Hall, Room 205

[417-836-5012](tel:+1-417-836-5012) (tel:+1-417-836-5012)

PamelaCorrell@missouristate.edu (mailto:PamelaCorrell@missouristate.edu)

Program description

The Master of Arts in Teaching (MAT) program is intended for mid-career change students or individuals beginning a second career following retirement. One of the admission qualifying factors is that a student must hold at least a baccalaureate degree from an accredited college/university. The MAT is a combined master's and certification program that has been approved by the Missouri Department of Elementary and Secondary Education (DESE) and is fully accredited by CAEP. The program provides students the opportunity to earn teacher certification in one of 20 different areas of secondary education while also completing a master's degree. The MAT involves extensive site-based clinical experience. Each student's program of study is individualized based on their previous coursework and life/work experiences.

The MAT program offered by Missouri State University is offered from the Springfield campus. Coursework meeting master's degree requirements are offered through a variety of delivery methods including online, web technology (ZOOM), and campus-based courses.

Entrance requirements

1. Applicants must meet minimum Graduate College requirements for admission.
2. Applicants must hold at least a bachelor's degree in, or related to, the area of certification desired. If nine or more hours of course work in the content remains to be completed at the time of admission, the candidate may be admitted conditionally to the program; however, the Missouri Content Assessment (MoCA) must be passed by the candidate prior to being admitted to the MAT program.
3. Applicants must complete the Teacher Certification Transcript Analysis request from the Professional Education Certification office in the area of Secondary Education that you wish to teach. Note: Agriculture and Physical Education are not available.
4. Admission to the MAT will include academic department review.
5. Applicants interview with the MAT Program Coordinator.

Degree requirements (minimum of 39 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| SFR 797 | Advanced Studies in Teaching and Learning | 9 hrs |
| SEC 784 | Internship in Teaching II (Student Teaching) | 10 hrs |
| SEC 783 | Internship in Teaching I (75-hour Practicum) | 3 hrs |
| RDG 710 | Content Area Literacy | 3 hrs |
| PSY 710 | Psychology of Education | 3 hrs |
| EDT 662 | Educational Applications of Computers for Teaching | 3 hrs |
| SPE 715 | Foundations in Special Education | 3 hrs |
| SFR 780 | Educational Research Methodology | 3 hrs |
| EDC 786 | Research Seminar in Education | 2 hrs |

Research requirements

Students will design, carry out, and present an oral defense of an action research project. The project will be developed under the supervision of University faculty advisors.

Comprehensive examinations

The oral defense of an action research project is considered the Comprehensive Examination for the Master of Arts in Teaching program. It must be passed by the candidate before a degree will be granted.

Graduation requirements

In addition to requirements established by the Graduate College, students must have an overall cumulative 3.00 GPA on graduate work attempted toward the MAT program.

Certification requirements


Students must pass the relative Missouri Content Assessment(s) (MoCAs) to be recommended for teacher certification. In addition to the 39 graduate hours required for the degree, all MAT candidates are required to complete content area coursework in the subject they are pursuing for teacher certification, or pass the MoCA(s) for that area before being recommended for teacher certification. Content area requirements are determined by the Professional Education Certification office as part of the transcript analysis process.

Note: DESE has a new option for those who have a **related** degree to the area of certification which they are pursuing. If the student passes the Missouri Content Assessment(s) (MoCAs), they are no longer required to take any deficiencies in the content area. For those who do **not** have a related degree, the student must pass the MoCA(s) prior to starting the MAT program. If the MoCA(s) are passed, the student is no longer required to take any course deficiencies in the content area.





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Teacher Leadership



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Specialist in Education, Teacher Leadership

Steven P. Jones, Program Coordinator

Hill Hall, Room 422;

Phone 417-836-5982

SPJones@missouristate.edu

Program description

The Specialist in Education, Teacher Leadership (SETL) degree is designed for teachers who desire to take on leading roles in making decisions in their schools and school districts, in and out of the classroom—teachers who prove themselves to be excellent teachers, committed professionals, and supportive colleagues. The degree is for students who possess a Master's degree in an education-related field—for example, a Master's degree in literacy or educational technology, or a Master's degree in a subject or grade-level field. This degree helps individual teachers improve their teaching while also challenging and deepening their commitments and understandings. The degree is intended for teachers who want to stay in the classroom, want to become a resource teacher (or “coach”), or want to become a curriculum specialist. Please note: This Specialist in Education, Teacher Leadership (SETL) degree does not prepare (or certify) teachers to work as a building principal.

The bulk of this degree (18 credit hours) is delivered on-site in a two-year cohort model. Teachers enrolled in this degree will meet with teacher colleagues enrolled in the Master of Teaching and Learning (MATL) degree.

Cohorts will identify common needs or concerns, deepen collaboration, and strengthen supportive collegial relationships. Degrees feature an inquiry project-based approach via an action research framework. Each student will choose an emphasis or elective area (12 credit hours—with a wide range of options) and will have direct sustained involvement with MSU Education faculty. Some credit hours from a previous master's degree may count toward this emphasis or elective area, pending approval by the Program Coordinator and Graduate College.

Some MATL students go on to take our Specialist in Education, Teacher Leadership degree. There is an Accelerated Pathway for such students. See a description of this pathway in the Graduate Catalog, under Specialist in Education, Teacher Leadership.

Program Entrance Requirements

To be admitted to the degree program, the student must complete the application through the GradCAS system and submit all official college transcripts as well as a written personal statement including reasons for pursuing the program, including desired professional goals. The student must meet Graduate College Admission requirements.

Degree requirements

Course Requirements 36 hours

Required Professional Learning Community Courses - 18 hours (No transfer courses allowed)

First Year (On-Site, cohort based)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EDC 800 | Teacher Leadership I: Contemporary Educational Problems | 5 hrs |
| EDC 801 | Teacher Leadership II: Diversity and Curriculum Design | 5 hrs |

Second Year (On-Site, cohort based)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EDC 802 | Teacher Leadership III: Building Classroom Climate & Effective Student Assessments | 5 hrs |
| EDC 803 | Teacher Leadership IV: Curriculum Theory | 3 hrs |

Administrative Leadership Area Course - 3 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EAD 751 | Foundational Of Educational Leadership (OR other EAD course as approved by the Program Coordinator) | 3 hrs |

Additional Required Course - 3 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------|--------------|
| SFR 890 | Field Research and Evaluation | 3 hrs |

Emphasis/Elective Area - 12 hours

Students will work with the Program Coordinator to choose an Emphasis Area or series of elective courses totaling 12 credit hours.

Comprehensive Examination

A comprehensive examination must be passed by the candidate before a degree will be granted. The major advisor is primarily responsible for working with faculty members to develop and evaluate the comprehensive examination.

Accelerated Pathway

Students may take an "Accelerated Pathway" to obtain the Specialist in Education, Teacher Leadership (SETL) degree. Students can acquire **both** a Master of Arts in Teaching and Learning (MATL) **and** the Specialist in Education, Teacher Leadership (SETL) degree in an accelerated program. Students interested in this Accelerated Pathway should contact the Program Coordinator to make sure they qualify and take the right courses. Students in the Accelerated Pathway can count up to nine (9) credit hours taken as part of the MATL degree from within the "Emphasis/Elective Area" toward the Specialist degree's "Emphasis/Elective Area" credit hour requirements. Please note: This Accelerated Pathway to the SETL degree does not prepare (or certify) teachers to work as a building principal.

To be considered for the Accelerated Pathway, students must have a minimum GPA of 3.50 in at least 16 credit hours of graduate level coursework in an education-related field. Students will be officially admitted to the SETL degree only upon their completion of the MATL degree. All other requirements for admission to the SETL degree, as described above, must also be met.


Total credit hours required for the Accelerated Pathway to the SETL degree is 60 hours.

Students who have previously completed the MATL degree - and who later decide they want the SETL degree - must apply for the SETL degree.



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Certificate in College Teaching

Cathy Pearman, Program Coordinator

Hill Hall, Room 313; Phone: 417-836-5210

CathyPearman@MissouriState.edu (mailto:CathyPearman@MissouriState.edu)

Program description

The Graduate Certificate in College Teaching provides a 10 hour graduate-level experience that will prepare students for entry-level- college teaching at a community college or in preparation of teaching assignments in graduate or doctoral programs. Certificate courses provide for the acquisition of knowledge and skills necessary for adult learning such as effective teaching methods, strategies for both the traditional and online classroom, the faculty member's role in curriculum development, strategies that improve student success at the college level, digital technology in the college classroom, and other topical issues in higher education. Students will complete a college teaching practicum as part of this certificate program.

Entrance criteria

To be considered for the program, a prospective student must meet the admission requirements for a Graduate Certificate at Missouri State University.

Required courses (10 hours)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| SFR 676 | Topical Issues in Education | 3 hrs |
| EDT 660 or EDT 661 | Digital-Age Learning Environments or Online Teaching and Pedagogy | 3 hrs |
| SFR 621 | Techniques for Teaching Adults | 3 hrs |
| SFR 698 | College Teaching Practicum | 1 hr |





Completion requirement

Students must meet program and certificate completion requirements set forth by Missouri State University's Graduate College.



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Missouri State

Graduate College

Graduate Catalog

Educational Technology



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Graduate programs

Certificate in Educational Technology

Ching-Wen Chang, Program Coordinator

Hill Hall, Room 420; Phone 417-836-5353

CChang@MissouriState.edu (mailto:CChang@MissouriState.edu)

Program description

The Graduate Certificate in Educational Technology provides a 12 hour graduate-level experience for school administrators, teachers and staff or those in other occupations who desire this expertise. The program provides for the acquisition of knowledge and skills necessary for technology support and training. The certificate is open to professionals from a variety of disciplines and specialties. **This certificate is a Missouri State University Certificate and does not meet the State of Missouri certification requirements for teaching.**

Entrance criteria

To be considered for the program, a prospective student must meet the admission requirements for a Graduate Certificate at Missouri State University.

Required courses (12 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| EDT 660 | Digital-Age Learning Environments | 3 hrs |
| EDT 665 | Selection and Utilization of Educational Technology | 3 hrs |
| EDT 763 | Administration of Educational Technology | 3 hrs |
| EDT 764 | Instructional Design | 3 hrs |


GPA Requirement

Students must maintain a grade point average of at least 3.00 on all graduate course work at Missouri State University.





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Dyslexia



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Certificate in Dyslexia

Kayla Lewis, Program Coordinator

Hill Hall, Room 209; Phone: 417-836-4196

KaylaLewis@missouristate.edu (mailto:KaylaLewis@MissouriState.edu)

Program description

The Graduate Certificate in Dyslexia provides a 12-hour graduate-level program for individuals interested in understanding the complexities of working with students identified as dyslexic or those demonstrating characteristics of dyslexia. The certificate program provides students with both theory and practical knowledge, including hands-on training, for working with students with dyslexia. The certificate is designed to equip teachers with knowledge of working with students in their own classroom or in an intervention setting. **This is a certificate issued by Missouri State University and does not represent state or national certification in dyslexia.**

Entrance criteria

1. Undergraduate GPA of 2.75 or higher.
2. Undergraduate degree in education or a related field.

3. Admission to the Graduate Certificate in Dyslexia program.

Certificate requirements

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| RDG 631 | Introduction to Dyslexia: Literacy Development, Language, and the Brain | 3 hrs |
| RDG 632 | Assessment Procedures for Students with Dyslexia | 3 hrs |
| RDG 633 | Interventions for Students with Dyslexia | 3 hrs |
| RDG 634 | Dyslexia Practicum: Assessments and Interventions | 3 hrs |

GPA requirement

Students must have an overall GPA of 3.00 for completion of the program.



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Literacy



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Certificate in Literacy

Kayla Lewis, Program Coordinator

Hill Hall, Room 209; Phone 417-836-4196

KaylaLewis@missouristate.edu (<mailto:KaylaLewis@MissouriState.edu>)

Program description

The Graduate Certificate in Literacy provides a 12-hour graduate-level experience for several groups of students: those working on Department of Elementary and Secondary Education (DESE) Special Reading Teacher, K-12, certification-only coursework; those in other graduate programs who want to add additional literacy (RDG) coursework as an emphasis area; those who already have a master's degree but want to add the DESE Special Reading Teacher, K-12, certification; or those in other situations where additional literacy coursework would allow them to qualify for a new position in the field of education. The certificate programs provides for the acquisition of knowledge and skills necessary for supporting teachers and students. **This certificate is a Missouri State University Certificate and does not meet Missouri's DESE Certification requirements for teaching.**

Entrance criteria

To be considered for the program, a student submit a Graduate Application for admission to the certificate program.

Certificate Requirements

There are no required courses for the certificate because students are at all levels of need. Students may choose from the list of RDG courses below:

Courses listed below meet DESE Special Reading Teacher, K-12, certification requirements:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| RDG 640 | Analysis and Correction of Difficulties in Literacy | 3 hrs |
| RDG 673 | Psychology of Global Literacies | 3 hrs |
| RDG 680 | Successful Classroom Communities to Enhance Student Learning | 3 hrs |
| RDG 685 | Techniques of Responsive Support in the Literacy Classroom | 3 hrs |
| RDG 700 | Relationship of Language to Literacy and Intellectual Development | 3 hrs |
| RDG 710 | Content Area Literacy | 3 hrs |
| RDG 780 | Assessment Procedures for the Literacy Specialist | 3 hrs |
| RDG 781 | Assessment of Literacy Problems (must be taken concurrently with RDG 782) | 3 hrs |
| RDG 782 | Remediation of Literacy Problems | 3 hrs |

Additional RDG courses below may, also, be used to complete the 12 hours requirement (as needed):

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| RDG 660 | Diversity Issues in Literacy and Content Area Instruction | 3 hrs |
| RDG 665 | Cultural Diversity in Literacy & Instruction: Classrooms & Community | 3 hrs |
| RDG 740 | Issues and Trends in Literacy Education | 3 hrs |
| RDG 770 | Curriculum Design in Literacy | 3 hrs |




GPA Requirement

Students must maintain a grade point average of at least 3.00 on all graduate course work at Missouri State University



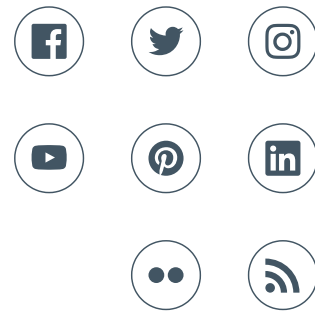


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Online Teaching and Learning



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Certificate in Online Teaching and Learning

Ching-Wen Chang, Program Coordinator

Hill Hall, Room 420; Phone: 417-836-5353

CChang@MissouriState.edu (<mailto:CChang@MissouriState.edu>)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Graduate Certificate in Online Teaching and Learning provides a 12 hour graduate-level experience that will prepare students with the skills and knowledge required to be an effective online instructor. The certificate curriculum provides preparation in the areas of online instruction, including pedagogy, and models for synchronous and asynchronous online learning, classroom management, instructional strategies, learning analytics, and assessment. **This certificate is a Missouri State University certificate and does not meet the State of Missouri certification required for teaching.**

Entrance criteria


To be considered for the program, a prospective student must meet the admission requirements for a Graduate Certificate at Missouri State University.

Required courses (12 hours)


| Course Code | Course Title | Credit Hours |
|-------------------------|-----------------------------------|--------------|
| EDT 660 | Digital-Age Learning Environments | 3 hrs |
| EDT 661 | Online Teaching and Pedagogy | 3 hrs |
| EDT 764 | Instructional Design | 3 hrs |
| EDT 765 | Educational Media Production | 3 hrs |




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Teacher Leadership



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Certificate in Teacher Leadership

Steve Jones, Program Coordinator

Hill Hall, Room 125; Phone 417-836-5982

SPJones@missouristate.edu (mailto:SPJones@MissouriState.edu)

Program description

The certificate is designed for those teachers who want to improve their own practice and develop teacher leadership skills and understandings, but who do not want to pursue the complete Specialist in Education, Teacher Leadership. To earn the certificate in Teacher Leadership, students must follow the admission procedures for the Specialist in Education, Teacher Leadership (see SETL graduate catalog description). Please note: This certificate in Teacher Leadership does not prepare (or certify) teachers to work as a building principal.

Entrance requirements

To be considered for the program, a student submit a Graduate Application for admission to the certificate program.

Required Courses - 18 hrs





| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EDC 800 | Teacher Leadership I: Contemporary Educational Problems | 5 hrs |
| EDC 801 | Teacher Leadership II: Diversity and Curriculum Design | 5 hrs |
| EDC 802 | Teacher Leadership III: Building Classroom Climate & Effective Student Assessments | 5 hrs |
| EDC 803 | Teacher Leadership IV: Curriculum Theory | 3 hrs |



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Teaching and Learning



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Certificate in Teaching and Learning

Steve Jones, Program Coordinator

Hill Hall, Room 125; Phone 417-836-5982

[SPJones@missouristate.edu](mailto:SPJones@MissouriState.edu) (mailto:SPJones@MissouriState.edu)

Program description

The certificate is designed for those teachers who want to improve their own practice and participate in important school community decisions, but who do not want to pursue the complete Master of Arts in Teaching and Learning. To earn the certificate in Teaching and Learning, students must follow the admission procedures for the Master of Arts in Teaching and Learning (see MATL graduate catalog description). Please note: This certificate in Teacher Leadership does not prepare (or certify) teachers to work as a building principal.

Entrance requirement

To be considered for the program, a student submit a Graduate Application for admission to the certificate program.

Required Courses - 18 hrs


| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| EDC 700 | Teaching and Learning I: Current Issues & Trends in Education | 5 hrs |
| EDC 701 | Teaching and Learning II: Diversity, Curriculum & Research | 5 hrs |
| EDC 702 | Teaching and Learning III: Management & Assessment of Learning | 5 hrs |
| EDC 703 | Teaching and Learning III: Management & Assessment of Learning | 3 hrs |




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
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Missouri State


Graduate College

Graduate Catalog

McQueary College of Health and Human Services

Programs

 Includes accelerated completion option


 Program can be completed online

Master's programs

[Applied Behavior Analysis \(MS\)](#) 

[Athletic Training \(MATC, MS\)](#)

[Cell and Molecular Biology \(MS\)](#) 

[Communication Sciences and Disorders: Education of the Deaf and Hard of Hearing_option \(MS\)](#) 

[Communication Sciences and Disorders: Speech-Language Pathology_option \(MS\)](#)

[Health Promotion and Wellness Management \(MS\)](#)




[Kinesiology \(MS\)](#)

[Nursing \(MSN\)](#)

[Nutrition and Dietetics \(MS\)](#)

[Occupational Therapy \(MOT\)](#)

[Physician Assistant Studies \(MS\)](#)

[Professional Studies: Sports Management Option \(MPS\)](#) 

[Psychology \(MS\)](#)

[Public Health \(MPH\)](#) 

[Secondary Education: Physical Education Area of Emphasis \(MSEd\)](#)

[Secondary Education: Social Science Area of Emphasis \(MSEd\)](#)

[Social Work \(MSW\)](#)

Doctoral programs

[Audiology \(AuD\)](#) 

[Nurse Anesthesia Practice \(DNAP\)](#) 

[DNP-Family Nurse Practitioner: BSN to DNP](#)

[Nursing Practice \(Post-Master's DNP\)](#)  (DNP)

[Physical Therapy \(DPT\)](#)

Certificates


[Biomolecular Sciences](#) (Certificate)

[Dietetics Internship](#) (Certificate)

[Education of the Deaf and Hard of Hearing](#)
(Certificate) 

[Forensic Child Psychology](#) (Certificate)

[Health Programming](#) (Certificate)

[Nurse Educator](#) (Certificate) 

[Post-Master's Population Health](#) (Certificate)

[Public Health Administration](#) (Certificate)

[Public Health and Homeland Security](#) (Certificate)

[Public Health Core](#) (Certificate)

[Recreation and Parks Administration](#) (Certificate)

[Registered Nurse First Assist](#) (Certificate)

[Sport and Human Performance](#) (Certificate)

[Sport Pedagogy](#) (Certificate)

[Sports Management](#) (Certificate) 

[Statistics and Research Design](#) (Certificate)

Centers for Research and Service

Southwest Missouri Area Health Education Center

The College hosts the [Southwest Missouri Area Health Education Center](http://ahec.missouristate.edu/) (<http://ahec.missouristate.edu/>). The mission of the center is to promote careers in primary health care through recruitment activities, support clinical placements in rural medically underserved areas and provide support for providers.

RStats Institute

The [RStats Institute](http://www.missouristate.edu/rstats/) (<http://www.missouristate.edu/rstats/>) provides research, statistical training, analysis and technical support for faculty and students to facilitate and advance scholarly work. RStats Faculty Associates and Graduate Assistants share their expertise in research

Contact

Dean

Mark Smith

Associate Dean

Letitia White-Minnis

Office

Kampeter Health Sciences Hall,
Room 110

Phone

417-836-4176

Fax

design and statistical analysis through consultation and workshops on research planning, design and statistical analysis topics.

417-836-6905

Clinics

Website

missouristate.edu/mchhs

(<https://mchhs.missouristate.edu/>)

Learning Diagnostic Clinic

The [Learning Diagnostic Clinic](http://psychology.missouristate.edu/ldc/) (LDC) provides evaluation services for students who are seeking accommodations for physiological or learning disabilities. Services are provided to students referred by the Disability Resource Center, and to the general public. The LDC also offers *Project Success*, an academic support program for students who desire more comprehensive services than those covered under the Americans with Disabilities Act (ADA). Graduate Assistants from the Psychology Department's Clinical track gain valuable experiences by working in the LDC.

Physical Therapy Clinic

The [Physical Therapy Clinic](http://ptclinic.missouristate.edu/) (PT) provides specialty care and rehabilitation services for neuromusculoskeletal complaints, assessment and treatment of balance and vestibular problems, and other specialty services to students, faculty, staff, as well as area residents and businesses. Students in the DPT program rotate through the PT Clinic as part of their training.

Speech-Language and Hearing Clinic

The [Speech-Language and Hearing Clinic](http://www.missouristate.edu/csd/clinic/) (SLP) provides evaluation and treatment for all ages in areas of Speech-Language Pathology, Audiology and early intervention for children who are Deaf or Hard of Hearing. Certified and licensed professionals supervise all services performed by graduate students of the CSD Department. The SLP Clinic plays a critical role in the development of clinical skills by students, and provides a service to the community in keeping with the University's public affairs mission.

Background security check and drug screening requirements

Some academic programs in the health related areas will require students to pass a background security check and a drug screening. These programmatic screening policies are a result of health organizations' requirements for placement at their clinical sites. Students will be financially responsible for the background security check and drug screening. Please see each academic program

requirements, applications materials and admission standards for specific detailed information. Students who do not pass the appropriate screenings may not be able to complete the program or practice professionally.



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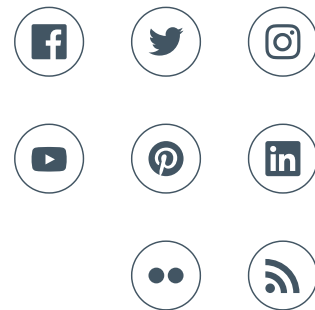
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Missouri State

Graduate College

Graduate Catalog

School of Anesthesia

Programs

Doctoral program

[Nurse Anesthesia Practice \(DNAP\)](#) 

Certificate

[Registered Nurse First Assist](#) (Certificate)

Accreditation

- Council on Accreditation of Nurse Anesthesia Educational Programs – Doctor of Nurse Anesthesia Practice

Contact

Department head

[Monika Feeney, DNAP](#)
(<https://search.missouristate.edu/people/monikafeeney>)

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Email

NurseAnesthesia@MissouriState.edu
(mailto:NurseAnesthesia@MissouriState.edu)

Website





[MissouriState.edu/Anesthesia](https://www.missouristate.edu/Anesthesia/)
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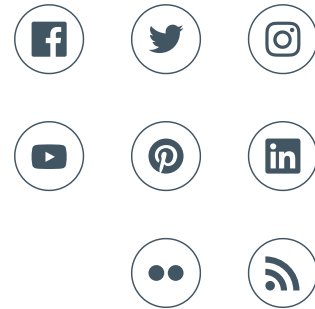
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Anesthesia Graduate Faculty

Assistant professors

Cynthia Aurentz

Tracy Beckham

Monika Feeney

Shane Garst

Jill Layman

Jeanie Skibiski

Clinical assistant professor

Rickey Albaugh

Per course faculty

Bryan Baxley

Dennis Bray

John Byrd

John Driver

Jim Elliott

Adriane Fain

Kristi Faust

Shane Garst

Charlette Hutsell

Mark Lasswell

Beverly J. Long

Rodney McFadden

Susanne Small

Donna Witsberger





Robert Zinn



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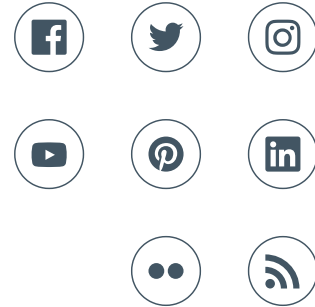
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Anesthesia Graduate Courses

Nurse Anesthesia (ANE) courses

ANE 620 RNFA Introductory Principles

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Beginning RNFA course will cover RNFA's collaborating with other health care providers during the peri-operative period focusing on safe effective patient care. Multiple techniques will be covered, instruments, medical devices, providing surgical site exposure, handling and or cutting tissue, providing homeostasis, wound care management, and suturing. Post operative patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

ANE 621 RNFA Perioperative Management I

Prerequisite: acceptance into the Registered Nurse First Assist Program.

This course includes a distance didactic component emphasizing the expanded functions unique to the RNFA. Classes will have both synchronous and asynchronous components. Management I will cover surgical patient pre-op assessments, anatomy and physiology review and health care provider communication along with surgical instrument recognition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2 | 2 | 0 | Fall, Spring, Summer |

ANE 622 RNFA Clinical Practicum

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Course will cover the clinical component of the RNFA curricula. Board Certified Surgeon will supervise in the area of the RNFA's primary area of practice. Students are required to obtain collaboration with a surgeon of their choice to supervise in their area of practice. Final practicum review will occur during the onsite time.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

ANE 623 RNFA Perioperative Management II

Prerequisite: acceptance into the Registered Nurse First Assist Program.

This course includes distance didactic components emphasizing the expanded functions unique to the RNFA. Classes will have both synchronous and asynchronous components. Management II will include demonstration of expanded skills and cover surgical site exposure, handling tissue, providing homeostasis along with suturing and wound management. Patient discharge planning and community collaboration is included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2 | 2 | 0 | Fall, Spring, Summer |

ANE 624 RNFA Cumulative Review

Prerequisite: acceptance into the Registered Nurse First Assist Program.

Course will cover RNFA's collaborating with other health care providers during the peri-operative period focusing on safe effective patient care, and preparation for the RNFA certification exam.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

ANE 700 Informatics and Graduate Studies for Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Study of the researcher role, research process, research skills, scientific writing, professional development, and research ethics. Study the use of technology in graduate studies. Dissect the meaning of a capstone project and its purpose.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

ANE 702 Clinical Conference I

Review of significant cases involving complex anesthesia considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 705 Clinical Conference II

Prerequisite: ANE 702.

A review of significant cases involving complex anesthesia considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 708 Clinical Conference III

Prerequisite: ANE 705.

Continuing review of significant cases involving complex anesthesia considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 711 Clinical Conference IV

Prerequisite: ANE 708.

Continuing review of significant cases involving complex anesthesia considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 712 Special Topics in Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program and permission of the Program Director.

Selected topics of an advanced nature relating specifically to anesthesia and accreditation requirements which will vary from semester to semester. Variable content course. May be repeated to a maximum of six hours provided topics are different. Can be seated or distance as accreditation needs dictate.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3-6 | | | Fall, Spring, Summer |

ANE 714 Orientation to Clinical Anesthesia

Prerequisite: permission from program director.

Introduction to anesthesia equipment, monitoring equipment, positioning, intravenous considerations, records, departmental management, ethics, departmental organization and function, legal and professional aspects.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 717 Physics and Chemistry of Anesthesia

A presentation of the principles and laws of physics and chemistry applicable to the field of anesthesia.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 720 General Principles of Anesthesia

A presentation of the principles of laws of physics and chemistry applicable to the field of anesthesia long with an in-depth analysis of structure and function of the cardiac, respiratory, circulatory, endocrine, hepatic, renal, neurologic, autonomic, and central nervous systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ANE 721 Equipment, Instrumentation, and Technology for Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice (BS-DNAP) program.

A thorough review of anesthesia delivery systems, airway equipment, and the multiple monitoring devices that may be utilized during anesthesia. A review of principles and laws of physics, biochemistry, and chemistry as applicable to the field of anesthesia. An in-depth review of equipment, instrumentation, and technology needed for anesthesia management. Various types of radiological imaging and radiation safety will be presented.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall |

ANE 723 Application of Anatomy and Physiology to Anesthesia II

An in-depth analysis of the special relationships between anesthesiology and the endocrine, hepatic, renal, neurologic, autonomic, and central nervous systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 1 | 1 | 0 | Fall, Spring |

ANE 726 Introduction to Clinical Anesthesia

Preoperative evaluation of patients, airway management, inhalation techniques, common complications of induction and emergence.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 2 | 2 | 0 | Fall, Spring |

ANE 732 Anesthesia for Surgical Procedures and Special Populations I

Prerequisite: ANE 720.

An in-depth review of subjects essential to the practice of anesthesia. Subjects correlating anatomy, physiology, pathophysiology, and pharmacology related to specific anesthetic patient needs for surgical or diagnostic procedures. Anesthetic needs for surgical procedures explored will include intra-abdominal, extra thoracic, neuro- skeletal, orthopedic, perineal and surgical diagnostic procedures. Exploration of special anesthetic

considerations for specific populations will be included involving the following populations: pediatric, obstetric, geriatric, and obese patients.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 5 | 0 | Fall |

ANE 734 Advanced Physical Assessment and Clinical Reasoning

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Identical with NUR 734. Cannot receive credit for both ANE 734 and NUR 734.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 6 | Fall |

ANE 735 Clinical Practicum

Prerequisite: admission to Doctor of Nurse Anesthesia Practice program.

Clinical experience in the anesthesiology department at multiple clinical sites. Specialty content may be included as part of the practicum experience. May be repeated to a maximum of 44 hours. Hours are based on clinical practicum days in the clinical area. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3-10 | | | Fall, Spring, Summer |

ANE 742 Clinical Physiology

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Clinical interpretation of organ systems with a consideration of disease etiology and diagnosis. Current research topics will be introduced and discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Spring |

ANE 744 Pharmacology in Anesthesia

Prerequisite: ANE 720.

A review of the effects of drugs required by patients with preexisting medical conditions and their continuation in the perioperative period.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

ANE 745 Anesthesia Pharmacology I

Prerequisite: BMS 620.

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of inhalational agents and stages of anesthesia, opioids, opioid agonists/antagonists, barbiturates and non-barbiturates, and drug interactions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Fall |

ANE 746 Anesthesia Pharmacology II

Prerequisite: ANE 745.

A study of the principles of clinical pharmacology and the pharmacokinetics and pharmacodynamics of commonly used anesthetic agents during the perioperative period. A review of the effects of drugs required by patients during the perioperative period with and without preexisting medical conditions and their continuation in the perioperative period. Detailed study of neuromuscular blocking drugs, and local anesthetics. Course includes an introduction to autonomic pharmacology and cardiovascular pharmacology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ANE 750 Anesthesia for Surgical Procedures and Special Populations II

Prerequisite: ANE 720.

An in-depth review of the subjects essential to the practice of anesthesia. Subjects correlating anatomy, physiology, pathophysiology, and pharmacology related to specific patient needs for surgical or diagnostic procedures. Surgical procedures covered will include extracranial and intracranial, intrathoracic, neck, vascular, diagnostic and therapeutic procedures. Patient populations will include trauma, burns, resuscitations, organ transplants, organ procurement and laser procedures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 5 | 0 | Spring |

ANE 754 Healthcare Ethics for Anesthesia Providers

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

This course is designed to apply the principles of biomedical and health care ethics toward a more informed understanding of realistic cases of ethical decision making in the healthcare environment, for anesthesia providers. The course looks towards a systematic approach to ethical problems that arise in the clinical and administrative settings, as well as the ethical responsibilities of all participants in each of these areas.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ANE 800 Leadership for Evidence-Based Practice

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnosis, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Cannot receive credit for both ANE 800 and NUR 800.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

ANE 803 Human Factors and Patient Safety for Healthcare

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Examines healthcare from a safety perspective and how to facilitate change for caregivers at the "sharp end of the stick" according to the Reason theory of errors. Discussion of an environment and philosophy of safety. Explores basis of human error, patient safety and quality assurance by introducing a system approach, including crisis management, simulation and teamwork in healthcare. Course taught online only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ANE 804 Business of Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Comprehensive study of the business of anesthesia, and all models of practice and billing. Legal and healthcare implications explored. Analysis of the structure, function and outcomes of healthcare delivery systems and organizations. Designed for practicing CRNA's and DNAP students. Course design is both seated and distance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ANE 806 Professional Practice in Anesthesia

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Emphasizes learning through advanced clinical experiences in anesthesia practice. Explores concepts of nurse anesthesia practice, competence and expertise, and incorporation of critical thinking skills and reflection as an evaluation method. The focus is on methods of determining best practice through identification of problems, review, and systematic evaluation of current research, interdisciplinary collaboration and consideration of economic and other factors that impact patient outcomes. A professional portfolio will be expected at the conclusion of the program. Course taught online only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ANE 807 Anesthesia and Healthcare Policy

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Examines government and non-government issues that influence nurse anesthesia practice. Focuses on development of skills that contribute to leadership and personal effectiveness in implementing change in nurse anesthesia and healthcare. Emphasizes interdisciplinary relationships between the CRNA, nurse, physician, and administration, policy makers and other key stakeholders that format healthcare policy; equips the student with up-to-date information on various global health topics and perspectives; a basic perspective of health policy issues in different geographical regions, and explains how global health policy is affected by significant world events, including coverage of new infectious diseases with human rights, stigma of diseases and disclosure. Comparison of health and healthcare universally. Course taught online only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

ANE 810 Health and Wellness in the Healthcare Setting

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Health and wellness in the healthcare setting for the healthcare provider in modern day medical settings. Health coping strategies investigated. Pitfalls of stressors in healthcare with evidence-based solutions. Addiction and recovery for healthcare professionals reviewed with AANA wellness modules, and peer assistance as well as University assistance for students reviewed. Health lifestyles including dietary, mental, physical, spiritual wellness for healthcare providers discussed. Course taught online only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

ANE 897 Research for Scholarly Project

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and suggesting corrective actions; solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow the student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

ANE 898 Capstone Project Presentation

Prerequisite: ANE 897 and admission to the Doctor of Nurse Anesthesia Practice program.

The Capstone Project is the culminating experience of the DNAP program, and presents an opportunity for students to investigate a problem relevant to the practice of anesthesia. Because nurse anesthesia practice includes administrative and educational roles as well as clinical practice, the project is open to a wide variety of ideas and interests. Students are encouraged to be creative in identifying problems and suggesting corrective actions; solutions must be based on sound evidence. ANE 897 and ANE 898 are consecutive courses to allow

the student time to complete the Capstone Project during their anesthesia study periods. The initial class provides direction and approval for the class, while the latter class provides presentation and evaluation of the determined project. Course taught online only.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |



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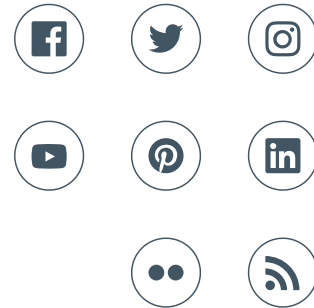
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Doctor of Nurse Anesthesia Practice

Monika Feeney, DNAP, CRNA, Program Director

MSU School of Anesthesia

Phone: 417-836-5039

MonikaFeeney@MissouriState.edu (mailto:MonikaFeeney@MissouriState.edu)

Tracy Beckham, DNAP, CRNA, Assistant Program Director

MSU School of Anesthesia;

Phone 417-836-5039 or TBeckham@MissouriState.edu (mailto:TBeckham@MissouriState.edu)

Program Description

The Missouri State University School of Anesthesia provides the scientific foundation and clinical training that prepares anesthesia providers as certified registered nurse anesthetists (CRNA) at the clinical doctorate level.

Program Accreditation

The Missouri State University School of Anesthesia is fully accredited by the Council on Accreditation of Nurse Anesthesia Educational Programs, the official accrediting agency for nurse anesthetists. They may be contacted at 222 South Prospect Avenue, Park Ridge IL 60068; Phone 847-655-1160.

Entrance Requirements

All applicants must meet the following requirements:

1. A bachelor's degree in an area of life science, nursing, or chemistry from an accredited institution in the U.S. or equivalent training in a foreign country;
2. Undergraduate work must include inorganic chemistry (4 hrs), organic chemistry (3 hrs), microbiology, human anatomy, human physiology, and genetics (strongly recommended);
3. A minimum grade point average (GPA) of 3.00 on a 4.00 scale for the last 60 hours of coursework. Emphasis will be placed on science courses;
4. Submission of official Graduate Record Examination (GRE) scores taken no earlier than five years prior to application with a preferred minimum score of 153 in Verbal Reasoning, 150 in Qualitative Reasoning, and 3.5 in Analytical Writing, or successful passing of the CCRN exam(preferred);
5. Current licensure as a registered nurse in the U.S.;
6. A minimum of one year experience in a acute care setting is required; preferences may be given to applicants with more experience;
7. **Current** BLS, ACLS, PALS certification are required;
8. A personal interview with a screening committee;
9. The application deadline is July 1st (priority deadline) and August 1st (final deadline). Interviews are scheduled within 3 months of the application deadline;
10. Students are required to complete a criminal background check and a drug screen prior to beginning classes;
11. Students will pay the current association fee to the American Association of Nurse Anesthetists (AANA) for an associate membership during the initial semester of the program.
12. A \$500.00 confirmation deposit is required to hold a seat in the class once a student has accepted a cohort position. The fee is required to be paid to Missouri State University and is used as part of the first semester's tuition.

Degree Requirements (Minimum of 119 hours) - BS -DNAP

ANE Courses (113 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ANE 700 | Informatics & Graduate Studies in Anesthesia | 3 hrs |
| ANE 702 | Clinical Conference I | 1 hr |
| ANE 705 | Clinical Conference II | 1 hr |
| ANE 708 | Clinical Conference III | 1 hr |
| ANE 711 | Clinical Conference IV | 1 hr |

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>ANE 714</u> | Orientation to Clinical Anesthesia | 1 hr |
| <u>ANE 720</u> | General Principles of Anesthesia | 3 hrs |
| <u>ANE 721</u> | Equipment, Instrumentation, and Technology for Anesthesia | 3 hrs |
| <u>ANE 726</u> | Introduction to Clinical Anesthesia | 2 hrs |
| <u>ANE 732</u> | Anesthesia for Surgical Procedures and Special Populations I | 5 hrs |
| <u>ANE 734</u> | Advanced Physical Assessment & Clinical Reasoning | 5 hrs |
| <u>ANE 735</u> | Clinical Practicum | 44 hrs |
| <u>ANE 742</u> | Organ Physiology | 4 hrs |
| <u>ANE 745</u> | Anesthesia Pharmacology I | 4 hrs |
| <u>ANE 746</u> | Anesthesia Pharmacology II | 3 hrs |
| <u>ANE 750</u> | Anesthesia for Surgical Procedures and Special Populations II | 5 hrs |
| <u>ANE 754</u> | Healthcare Ethics for Anesthesia Providers | 3 hrs |
| <u>ANE 800</u> | Leadership for Evidence-Based Practice | 3 hrs |
| <u>ANE 803</u> | Human Factors and Patient Safety in Healthcare | 3 hrs |
| <u>ANE 804</u> | Business of Anesthesia | 3 hrs |
| <u>ANE 806</u> | Professional Practice In Anesthesia | 3 hrs |
| <u>ANE 807</u> | Anesthesia and Healthcare Policy | 3 hrs |
| <u>ANE 810</u> | Health and Wellness in the Healthcare Setting | 3 hrs |
| <u>ANE 897</u> | Research for Scholarly Project | 3 hrs |
| <u>ANE 898</u> | Capstone Project Presentation | 3 hrs |

Non-ANE Courses (6 hours)

| Course Code | Course Title | Credit Hours |
|--------------------------------|-----------------------------------|---------------------|
| <u>BMS 620</u> | Medical Cell Biology | 3 hrs |
| <u>BMS 728</u> | Human Neurophysiology and Anatomy | 3 hrs |

Research/Capstone Requirement (total 6 hours). Each student will complete a Capstone project. This project must be started in the [ANE 897](https://graduate.missouristate.edu/catalog/anesthesia-courses.htm#ANE897) class and completed in the [ANE 898](https://graduate.missouristate.edu/catalog/anesthesia-courses.htm#ANE898) class. Students are allowed to work in groups of 2, or maximum 3, if approved by the Program Director.

Certified Registered Nurse Anesthetist (MS - DNAP)

Students who have already completed the CRNA certification at the Master's level, can be admitted into the completion program, requiring 27 hours for completion. These hours may be completed via distance and may be completed on a part-time or full-time basis. Completion Program Additional Requirements: (a) Current Valid CRNA License; and (b) transcript from all completed college coursework.

Completion program – One Year Program (27 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ANE 800 | Leadership, Evidence Based Practice | 3 hrs |
| ANE 803 | Human Factors and Patient Safety in Healthcare | 3 hrs |
| ANE 804 | Business of Anesthesia | 3 hrs |
| ANE 806 | Professional Practice In Anesthesia | 3 hrs |
| ANE 807 | Anesthesia and Healthcare Policy | 3 hrs |
| ANE 810 | Health and Wellness in the Healthcare Setting | 3 hrs |
| ANE 897 | Research for Scholarly Project | 3 hrs |
| ANE 898 | Capstone Project Presentation | 3 hrs |
| ANE 754 | Healthcare Ethics for Anesthesia Providers | 3 hrs |

Completion program – Two Year Program (27 hours)

First Year

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ANE 800 | Leadership, Evidence Based Practice | 3 hrs |
| ANE 803 | Human Factors and Patient Safety in Healthcare | 3 hrs |
| ANE 804 | Business of Anesthesia | 3 hrs |
| ANE 810 | Health and Wellness in the Healthcare Setting | 3 hrs |
| ANE 897 | Research for Scholarly Project | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ANE 754 | Healthcare Ethics for Anesthesia Providers | 3 hrs |

Second Year

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------------|--------------|
| ANE 806 | Professional Practice In Anesthesia | 3 hrs |
| ANE 807 | Anesthesia and Healthcare Policy | 3 hrs |
| ANE 898 | Capstone Project Presentation | 3 hrs |

Completion program – Three Year Program (27 hours)

First Year

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ANE 800 | Leadership, Evidence Based Practice | 3 hrs |
| ANE 810 | Health and Wellness in the Healthcare Setting | 3 hrs |
| ANE 754 | Healthcare Ethics for Anesthesia Providers | 3 hrs |

Second Year

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ANE 803 | Human Factors and Patient Safety in Healthcare | 3 hrs |
| ANE 804 | Business of Anesthesia | 3 hrs |
| ANE 897 | Research for Scholarly Project | 3 hrs |

Third Year

| Course Code | Course Title | Credit Hours |
|-------------------------|-------------------------------------|--------------|
| ANE 806 | Professional Practice In Anesthesia | 3 hrs |
| ANE 807 | Anesthesia and Healthcare Policy | 3 hrs |
| ANE 898 | Capstone Project Presentation | 3 hrs |

Additional Requirements or limitations





1. The candidate must maintain a minimum GPA of at least 3.00 each semester for the degree.
2. All requirements must be satisfied within eight years.
3. Six semester credit hours (or the equivalent in quarter hours) of credit may be transferred into the program from an accredited University Graduate Program, after approval by the Graduate College and Program Director).
4. All coursework must be approved by the Program Director.
5. The candidates must pass a written comprehensive examinations.
6. No more than 5 hours of C grade is allowed during the program.
7. Candidates who do not achieve the academic standards set forth by the program will be immediately dismissed.
8. For MS to DNAP candidates, an \$900 fee will be applied to each class.



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Program Description

The RNFA Certificate is a program for baccalaureate prepared registered nurses and advanced practice nurses to advance their education and skill set. Graduates are eligible to write the national certification examinations for Certified Registered Nurse First Assistant and earn the credential of CRNFA. Graduates are expected to contribute to the delivery of quality health care through their implementation of evidence based practice.

The program meets the criteria established by the Association of periOperating Room Nurses (AORN) for RNFA programs and is listed as an approved program by the Competency and Credentialing Institute (CCI), the

certifying body for RNFAs

The RNFA certificate program consists of 9 credit hours including two on campus sessions and three distance courses including clinical practicum time. Students are expected to participate with a surgeon of their choice for the clinical learning section.

Admission Requirements

1. Minimum: Bachelor's degree in a health related field
2. Unencumbered Nursing licensure in State of practice
3. Personal liability insurance
4. ACLS and BLS
5. 2 letters of recommendation
6. 2 years' Operating Room (OR) or advanced practice nursing experience

Additional requirement prior to the completion of the program is obtaining the CNOR credential

Scope of Practice of the RNFA:

The RNFA functions as part of the perioperative nursing practice. Perioperative nursing is a specialized practice.

The RNFA further refinements include: (under the direction of a surgeon)

- Handling tissue
- Providing exposure
- Using instruments
- Suturing
- Providing hemostasis

Program Requirements

Required courses include 9 credits total: 2 seated and 7 distance

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ANE 620 | RNFA Introductory Principles | 1 hr |
| ANE 621 | RNFA Pre-op, Inter op and Post op Patient Management I | 2 hrs |
| ANE 622 | RNFA Clinical Practicum | 3 hrs |
| ANE 623 | RNFA Pre-op, Inter op and Post op Patient Management II | 2 hrs |
| ANE 624 | RNFA Cumulative Review and Assessment | 1 hr |


AORN standards for RN first assistant education programs. In: *Perioperative Standards and Recommended Practices*. Denver, CO: AORN, Inc; 2012:749-751.




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Missouri State

Graduate College

Graduate Catalog

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Joshua Smith

Benjamin F. Timson

Colette M. Witkowski

Assistant professors

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Amy Hulme

Henry Tsai

Randi Ulbricht

Associate professors

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Lyon Hough

Anne Marie B. Hunter

Jianjie Wang

Scott D. Zimmerman

Clinical assistant professor

Natalie Allen

Senior instructors

Sarah Murray

Daniela Novotny

Instructors

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Hillary L. Roberts

Per course faculty

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Missouri State

Graduate College

Graduate Catalog

Biomedical Sciences Courses

Biomedical Science (BMS) courses

BMS 602 Special Topics in Biomedical Sciences II

Prerequisite: permission of department head.

Selected topics of an advanced nature which will vary from semester to semester. May be repeated to a maximum of eight hours provided topics are different. May be taught concurrently with BMS 500. Cannot receive credit for both BMS 500 and BMS 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

BMS 614 Scanning Electron Microscopy

An introduction to microsurface analysis using scanning electron microscopy and X-ray microanalysis. Theoretical considerations and laboratory procedures involve both techniques but the major emphasis will be on generation of secondary electron images. Some attention is devoted to backscattered electron imaging, X-ray mapping, stereo pair imaging, and related image processing techniques. May be taught concurrently with BMS 514. Cannot receive credit for both BMS 514 and BMS 614.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Fall |

BMS 616 Transmission Electron Microscopy

Demonstration of basic transmission electron microscopy techniques and Microscope use. Emphasis is on ultrathin sectioning techniques; additional techniques include support film preparation, negative staining, immunogold localization procedures, and digital processing of photographic prints and negatives. May be taught concurrently with BMS 516 . Cannot receive credit for both BMS 516 and BMS 616.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Spring |

BMS 620 Medical Cell Biology

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Focus on the molecular aspects of cell biology for students in the Nurse Anesthesia program. Content identical to the lecture part of BMS 622. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 520. Cannot receive credit for BMS 520 and BMS 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BMS 622 Molecular Cell Biology

Prerequisite: permission of instructor.

Origins, structure and function of cells and basic life processes from a molecular perspective. Major topics focus on the energy, chemical, and information exchanges within and among cells and their environment. Cannot receive credit for both BMS 620 and 622. May be taught concurrently with BMS 521. Cannot receive credit for BMS 521 and BMS 622.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Fall, Spring |

BMS 624 Virology

Prerequisite: BMS 622.

The molecular biology and pathogenicity of animal viruses; basic techniques of tissue culture and virology will be performed in the laboratory. May be taught concurrently with BMS 524. Cannot receive credit for BMS 524 and BMS 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BMS 625 Molecular Biology

Prerequisite: permission of the instructor.

In-depth examination of nucleic acid structure, function, regulation, repair, and mutagenesis; principles of genetic engineering. Laboratory provides experience in the techniques used to isolate, separate, quantitate, characterize, and modify nucleic acids. The course also includes an introduction to the GenBank and EMBL nucleic acid and protein sequence databases. May be taught concurrently with BMS 525. Cannot receive credit for BMS 525 and BMS 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Fall, Spring |

BMS 628 Molecular Mechanisms of Bacterial Pathogenesis

Prerequisite: BMS 622.

An in-depth study of the methods of genetic control and production of pathogenic factors employed by disease causing bacteria. The course will use both reference material and primary literature to illustrate the topics under discussion. May be taught concurrently with BMS 528. Cannot receive credit for both BMS 528 and BMS 628.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

BMS 629 Molecular Genetics

Prerequisite: BMS 625 or concurrent enrollment.

Laboratory skills course that provides guided experience designing and implementing modern molecular techniques to answer research questions. Allows an in-depth exploration of principles at the core of molecular biology such as: quantification of gene expression (e.g. qRT-PCR, Northern blot, western blot, flow cytometry), genetic engineering (e.g. cloning, site-directed mutagenesis, genome manipulation), analyzing genetic material (e.g. genotyping, genetic screening, sequencing), and isolating molecules of interest (e.g. immuno-purification, RNA isolation, PCR). May be taught concurrently with BMS 529. Cannot receive credit for both BMS 529 and BMS 629.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

BMS 631 Cell Biology of Cancer

Prerequisite: BMS 622.

Discussion of the initiation, cellular and genetic events which lead to cancer as well as its prevention, treatment, and personal consequences. An extensive paper and presentation are required. May be taught concurrently with BMS 530. Cannot receive credit for both BMS 530 and BMS 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

BMS 635 Signal Transduction

Prerequisite: BMS 622.

This course will examine the molecular mechanisms of various ligand/receptor interactions. The dynamics involved in ligand/receptor binding will be studied and examples of receptor-mediated signal transduction will be introduced. Signaling pathways within the cell will be discussed. Primary literature and reference materials will be utilized to illustrate specific examples under discourse. May be taught concurrently with BMS 535. Cannot receive credit for both BMS 535 and BMS 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

BMS 640 Biotechnology

Prerequisite: permission of instructor.

The applications of the methodologies of cell and molecular biology in the rapidly-evolving biotechnology and biopharmaceutical industries with an emphasis on the major sectors involving human therapeutics, human diagnostics, and genomics. Cell and molecular biology technologies adapted to mass production techniques to produce the products of biotechnology are surveyed. Typical pathways of product development from original basic research, product inception, clinical trials, regulatory approval, and commercialization are covered. Students will examine the current programs of the research and development of selected biotechnology and big pharma corporations. May be taught concurrently with BMS 540. Cannot receive credit for both BMS 540 and BMS 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

BMS 641 Physiology of the Cell

Prerequisite: admission to the Cell and Molecular Biology graduate program or permission of the instructor.

The molecular, chemical, membrane and cellular basis of metabolic homeostatic processes in cells, cytoplasmic compartments and primary organ systems. May be taught concurrently with BMS 442. Cannot receive credit for both BMS 641 and BMS 442.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

BMS 642 Organ Physiology

Prerequisite: C or better in BMS 641.

Course will continue the investigation of human physiology by organ system including the cardiovascular and respiratory systems as well as mechanisms of body defense. May be taught concurrently with BMS 542. Cannot receive credit for both BMS 642 and BMS 542.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 645 Clinical Gross Anatomy

Prerequisite: admission to Master of Occupational Therapy program.

The course offers in-depth coverage of basic, applied and clinical aspects of gross anatomy. An advanced musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporate traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions and assignments that rely on critical thinking. Identical with OTE 645. Cannot receive credit for both BMS 645 and OTE 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 6 | Summer |

BMS 658 Recombinant DNA and Protein Techniques

Prerequisite: C grade or better in BMS 521 or BMS 622.

A laboratory intensive course designed to extend the biochemical and molecular biology principles and current techniques used in gene cloning, transformation of eukaryotic cells, gene expression through reverse transcriptase PCR and western blot analysis, immunoprecipitation, DNA sequencing, and mass spectrometry. May be taught concurrently with BMS 558. Cannot receive credit for both BMS 558 and BMS 658.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall, Spring |

BMS 660 Medical and Pathologic Physiology Laboratory

Prerequisite: admission to MS in Cell and Molecular Biology Program.

Experience using laboratory techniques and case studies to enhance knowledge of pathophysiology. May be taught concurrently with BMS 562. Cannot receive credit for both BMS 562 and BMS 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

BMS 661 Medical and Pathologic Physiology

Prerequisite: admission to MS in Cell and Molecular Biology Program.

A study of physiological dysfunction in human disease with consideration of disease etiology, diagnosis, clinical interpretation, and treatment. Designed for students and professionals in the health sciences. May be taught concurrently with BMS 561. Cannot receive credit for both BMS 561 and BMS 661.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BMS 663 Advanced Work Physiology

Review of cellular metabolism, energy transfer, and oxygen transport during work; excitation-contraction coupling in skeletal muscle; physiological mechanisms of fatigue; neuroendocrine regulation of metabolism and other responses to work; environmental factors in work performance. Emphasis on molecular and cellular

mechanisms and contemporary research. May be taught concurrently with BMS 563. Cannot receive credit for both BMS 563 and BMS 663.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 664 Molecular Endocrinology and Reproductive Physiology

A detailed examination of the physiological, cellular and molecular aspects of human reproduction with particular emphasis on the endocrine aspects of reproduction. May be taught concurrently with BMS 564. Cannot receive credit for both BMS 564 and BMS 664.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BMS 665 Human Cardiopulmonary Physiology

Prerequisite: admission to MS in Cell and Molecular Biology program.

A cellular and molecular study of human cardiovascular and respiratory physiology and related human diseases. Emphasis will be on the molecular mechanisms for normal and abnormal functions of the blood, the blood vessels, the heart, the respiratory tract, and the lung. Current research topics and results will be introduced and discussed. May be taught concurrently with BMS 565. Cannot receive credit for both BMS 565 and BMS 665.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BMS 667 Physiology of Exercise Metabolism

Introduction to the study of human metabolic and work physiology. Digestion, absorption, and metabolism of biologically important nutrients as they affect cellular energy transfer; mechanisms of energy transfer in cells during various forms of work; oxygen transport and utilization at the cellular and system level; factors modifying the efficiency of human work performance. May be taught concurrently with BMS 567. Cannot receive credit for both BMS 567 and BMS 667.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall, Spring |

BMS 668 Physiology of the Human Gastrointestinal and Urinary Systems

Structure and function of the gastrointestinal and urinary systems including pathophysiology of common clinical conditions. May be taught concurrently with BMS 568. Cannot receive credit for both BMS 568 and BMS 668.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BMS 669 Neurobiology

Prerequisite: permission of instructor.

Study of the mammalian nervous system including anatomy and principles of function. May be taught concurrently with BMS 569. Cannot receive credit for both BMS 569 and BMS 669.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 670 Principles of Pharmacology

Prerequisite: permission of instructor.

Recommended Prerequisite: BMS 622. Overview of the aspects of pharmacology including: pharmacodynamics, pharmacokinetics, pharmacogenomics, drug selectivity, toxicity, metabolism, drug development, and drug regulation. Additionally, an overview of the major classification of drugs and their mechanisms of action will be presented. May be taught concurrently with BMS 570. Cannot receive credit for both BMS 670 and BMS 570.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 673 Endocrine Physiology

Prerequisite: admission to the Cell and Molecular Biology graduate program or permission of the instructor.

A detailed examination of the physiological, cellular and molecular aspects of the human endocrine system. May be taught concurrently with BMS 573. Cannot receive credit for both BMS 673 and BMS 573.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

BMS 682 Embryology

Recommended Prerequisite: human anatomy. A study of prenatal human development with emphasis on the cellular and subcellular mechanisms correlating normal development with common congenital malformations. Topics include cell division, gametogenesis, fertilization, and development of the embryo from zygote to the differentiation of the neural tube. The development of specific human organ systems including, skeletomuscular, cardiovascular, respiratory, pharyngeal, craniofacial, digestive, urinary, genital, and endocrine systems will be covered throughout prenatal development. Prepares students in pre-professional medical, dental, and allied health curricula, as well as any student requiring a background in embryology. May be taught concurrently with BMS 582. Cannot receive credit for both BMS 582 and BMS 682.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 686 Molecular Mechanisms in Animal Development

An overview of the relationship between the anatomy of developing embryos and fundamental molecular mechanisms that generate this morphology, with an emphasis on vertebrates. Some invertebrate systems will be presented. Selected topics will include cell signaling during fertilization, gene activity in early development, cytoskeleton dynamics during morphogenesis, cell-cell adhesion, master pattern genes, and regulated cell death. May be taught concurrently with BMS 584. Cannot receive credit for both BMS 584 and BMS 686.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 688 Histology

Microscopic structure of cells, tissues, and organ systems, with special emphasis on human tissues. Extensive laboratory experience with interpretation of structures in stained tissues mounted on microslides. Recommended for students in medical, dental, optometric, and other preprofessional curricula, cell and molecular biology, and zoology. May be taught concurrently with BMS 585. Cannot receive credit for both BMS 585 and BMS 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Fall |

BMS 693 Bioinformatics and Biomedical Resources

Prerequisite: permission of instructor.

Use of biomedical source materials and methods of data access, selection, organization, and evaluation. May be taught concurrently with BMS 593. Cannot receive credit for both BMS 593 and BMS 693.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

BMS 700 Introduction to Graduate Studies in the Biomedical Sciences

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

Study of the researcher role, the research process, and research ethics relating to the biomedical sciences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BMS 701 Research in the Biomedical Sciences

Prerequisite: admission to MS in Cell and Molecular Biology program.

Focus on research skills, scientific writing, and professional development. May be repeated to a maximum of four hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

BMS 707 Medical Human Anatomy

Prerequisite: admission to the Cell and Molecular Biology graduate program.

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students in laboratory teaching sessions, and assignments that rely on critical thinking. Students make oral presentations and use the library and other sources of information (such as the internet and our Computer Laboratory) to learn and teach applied gross anatomy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 10 | Fall |

BMS 711 Microbial Genetics

Prerequisite: BMS 622.

Course is designed to investigate various aspects of microbial genetics using advanced laboratory techniques. Experiments may include DNA and plasmid isolation and characterization, mutagenesis, transformation, transduction and conjugation of bacteria.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

BMS 717 Medical Human Anatomy and Radiology

Prerequisite: admission to the Physician Assistant Studies program.

Regional study of the human body. Course will include lecture and laboratory activities including cadaver dissection, study of anatomic models, computer images, x-ray, CAT scan and MRI, and ultrasound imaging. Identical with PAS 717. Cannot receive credit for both BMS 717 and PAS 717.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 11 | Spring |

BMS 726 Advanced Topics in Cell and Molecular Biology

Prerequisite: permission of instructor.

Focused or detailed consideration of advanced or timely topics in cell and molecular biology. May involve group discussion from another institution or represent individual study. Credit for BMS 726 may be given for electronic and distance learning courses available via the internet with the approval of the cell and molecular biology faculty who will determine the credit hours and topic title. Variable content course. May be repeated to a maximum of six hours provided topics are different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |

BMS 727 Human Gross Anatomy

In-depth study of the gross anatomy of the human body in areas of interest relating to administration of anesthesia.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Fall |

BMS 728 Human Neurophysiology and Anatomy

Prerequisite: admission to the Doctor of Nurse Anesthesia Practice program.

This is a blended course designed for a study of human neuroanatomy and neurobiology with emphasis on understandings of pain sensation and perception. Lecture is focused on fundamental structure and function of central nerve system and peripheral nerve system with respect to pain followed by understandings of its regulatory mechanisms and pathological pain. The lecture portion incorporated non-traditional online lectures and discussion in classroom. Laboratory offers hands-on learning opportunities with emphasis on pain-related Gross Anatomy and pain management. Students observe, discuss, teach, and learn about the human nervous system in a cooperative learning environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Summer |

BMS 730 Current Literature Topics

Prerequisite: admission to MS in Cell and Molecular Biology program.

A weekly forum of faculty and graduate students to discuss reports in the current literature from cell, molecular, and developmental biology. Participants are assigned to report on developments in their specialty or area of interest and provide background for understanding the basis and significance of the report to others in the group. May be repeated. Required each regular semester for full time students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

BMS 732 Clinical Preventive Medicine

Prerequisite: permission of instructor.

A review of current scientific evidence regarding effective screening tests and interventions to improve health status.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 752 Medical Physiology

Prerequisite: admission to Physician Assistant Studies program or Doctor of Physical Therapy program or MS in Cell and Molecular Biology program.

The study of biological function of the human organism. Emphasis will be placed on mechanisms and regulation using examples focusing on the field of medicine. Topics covered will include general cell function, neural, endocrine, cardiovascular, respiratory, gastrointestinal and renal physiology and regulation of acid-base balance. The course stresses the interrelated functions of the body systems in homeostasis and builds on this knowledge to introduce how disease alters the homeostatic controls.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BMS 784 Developmental Genetics

Prerequisite: BMS 625.

A study of developmental gene families, their expressions as related to the normal and abnormal development of form and structure, and their intrinsic and extrinsic regulation in various animal model systems, including humans. Specific gene-programmed and gene regulated mechanisms such as those regulating pattern formation, triggering cell differentiation, initiating regeneration (as it applies to specific tissues and organs), controlling apoptosis, and determining rates of cellular and organismal aging are included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

BMS 785 Histology and Tissue Biology

Prerequisite: admission to MS in Cell and Molecular Biology program.

This course emphasizes the structure and basic function of all the major tissues and cell types in the human body. It includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

BMS 797 Non-Thesis Project

Prerequisite: permission of instructor.

In-depth study in an area of interest, culminating in a presentation of an extensive scholarly paper. Graded Pass/Not Pass Only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | | | Fall, Spring |

BMS 798 Research

Prerequisite: permission of instructor.

Application of the research process in the supervised study of a selected problem. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

BMS 799 Thesis

Prerequisite: permission of instructor.

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated to a maximum of six hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

Dietetics and Nutrition (DTN) courses

DTN 740 Medical Nutrition Therapy I Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This is the first of a two-semester course sequence providing field experience in patient/client nutritional management at various sites under professional supervision (37 hours per week). Emphasis will be on utilizing the nutrition care process in providing basic medical nutrition therapy to include at least diabetes, heart disease, lung disease and basic health promotion in an acute or clinical setting.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

DTN 741 Medical Nutrition Therapy II Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This is the second of a two-semester course sequence providing eight weeks of field experience in patient/client nutritional management at various sites under professional supervision (40 hours per week). Emphasis will be on utilizing the nutrition care process in providing medical nutrition therapy to include at least tube feeding, TPN, pre/post surgery patients in an acute or clinical setting with a research component required as part of the practicum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

DTN 742 Population Health Nutrition Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a 222 hour field experience in the delivery of population health and community nutrition programs at local, state, national levels at various sites under professional supervision. Current issues relating to nutrition promotion and preventive health care will be examined. Students will evaluate nutrition components of various community health agencies and participate in the delivery of services.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

DTN 743 Food Service Management Practicum

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a five week field experience (37 hours per week) practicing a systems approach to nutrition services management, including the human dimensions of management, management tools and techniques for assessing accountability, cost containment, productivity and marketing plans. Projects include development of a personnel and operational budget for nutrition services.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

DTN 744 Practicum in Area of Concentration

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or the graduate Dietetic Internship Certificate Program.

This course provides a minimum of 240 hours in either Population Health, Public Affairs or Rural Health. Field placements and experiences will be developed with each student and the program director.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

DTN 745 Topics and Issues in Dietetics

Prerequisite: admission to the graduate Dietetic Internship Certificate Program.

This course provides a six week forum (3 hours per week) for topics pertinent to the practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, registration examination, charting, etc. May be repeated to 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

DTN 750 Advanced Medical Nutrition Therapy

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship certificate program.

Advanced study of metabolic demands in complex disease processes using the Nutrition Care Process in an evidence based approach to altered nutritional needs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

DTN 752 Advanced Population Health Nutrition I

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship certificate program.

Advanced population health information in preparation for the registered dietitian examination, including review of basic community information. Overview of interpretation of census data and assessing disparities within the population. Other topics include: nutrition public policy, local and global food insecurity, and population health determinants with an emphasis in rural communities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

DTN 753 Advanced Foodservice Management

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program or graduate Dietetic Internship Certificate Program.

Project and research based application of management concepts and skills to deliver food to people in various settings including schools and hospitals. In addition, review of basic foodservice management concepts and knowledge to include foodservice systems, menu planning, sustainability, and quality improvement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

DTN 755 Advanced Nutrition Counseling

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

Advanced counseling techniques, nutrition interventions, and behavior change theories applied to nutrition counseling. Emphasis on motivational interviewing, including application in practice to provide the learner with strategies and counseling skills to promote behavior change in patients/clients.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Summer |

DTN 762 Advanced Population Health Nutrition II

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

Course designed as a continuation of DTN 752 to further analyze population health disparities and to develop and implement community programs/policy strategies. Graduate students will be actively involved in developing strategies for implementation based on community needs assessment. This course will include both didactic and experiential components where much of the framework for student learning and evaluation will take place in partnership with community nutrition practitioners.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

DTN 797 Non-thesis Project

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.

In-depth scientific study of a nutrition and dietetics problem of interest that culminates in a scholarly paper and formal community or professional presentation. Student must have research project proposal approved by faculty supervisor and program director prior to enrollment. Must be repeated for a total of 3 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

DTN 799 Thesis

Prerequisite: admission to the Master of Science in Nutrition and Dietetics program.


Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated for a maximum of 6 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |





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Cell and Molecular Biology



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Master of Science in Cell and Molecular Biology

Scott D. Zimmerman, Director of Graduate Studies

Kampeter Health Sciences Hall, Room 353

Phone 417-836-6123

BMS Department phone: 417-836-5603

ScottZimmerman@MissouriState.edu (mailto:ScottZimmerman@MissouriState.edu)

Program description

The graduate program in Cell and Molecular Biology is designed for students preparing for entry into doctorate or health professional programs, or for expanding career opportunities in the biotechnology, biopharmaceutical, health science research, bioinformatics, and genomics sectors. The program offers students with biological or biochemical preparation to increase knowledge in the molecular biosciences and provides initial or additional experiences using the biotechnologies emerging from the rapidly-growing disciplines in cell and molecular

biology. The development of laboratory research skills occurs in a laboratory-focused curriculum that has a health and human emphasis.

Program objectives

1. To educate students at the graduate level in modern concepts and methodologies of cell and molecular biology.
2. To build upon the student's foundation of knowledge in cell and molecular biology through enhanced exposure to course, laboratory, and research opportunities.
3. To enhance the student's ability to carry out independent research in cell and molecular biology.

Entrance requirements

Admission to the program requires a strong science and mathematics background identical to that required of a student completing the undergraduate program in cell and molecular biology. In addition, admission to the program requires evidence that the applicant will be able to successfully complete a rigorous graduate program in the sciences at a high level of performance. Entrance into the program requires completion of the following.

1. Two semesters of organic chemistry
2. Two semesters of physics
3. A course in calculus
4. A bachelor's degree from a Missouri State University recognized accredited college or university and a grade point average (GPA) of at least 3.00 on a 4.00 scale, overall, or for the last 60 hours
5. Applicants must have:
 - a. an official transcript including all undergraduate work
 - b. three letters of recommendation
 - c. GRE scores
 - d. a statement of research interest

Applicants will be evaluated for admission based upon their submitted materials. By the end of the first semester, candidates must be accepted into a research laboratory by a member of the Graduate Faculty who becomes the student's advisor.

Accelerated Master's Degree option

Majors in cell and molecular biology may be accepted into the Master of Science in Cell and Molecular Biology program after admission requirements for the accelerated master's option are met. Once accepted for early admission, up to 12 credit hours of approved 600 and 700-level coursework may be counted toward both the Bachelor of Science and the Master of Science degree programs. Other required 600-level courses in the master's program that are taken by the undergraduate student, but not included in the accelerated option, may be waived on the master's degree program by the student's graduate advisor if the required courses were taken less than four years previously and the student earned at least a grade of B or better in those courses. Additional graduate coursework to replace waived courses may be needed to meet the 32 hours degree requirement. Accelerated option students must enroll in BMS 730 each semester.

The accelerated option allows cell and molecular biology majors who are interested in biomedical research to complete the requirements for the Master of Science degree in two semesters and a summer rather than the typical four semesters and a summer. Contact the program director in the Department of Biomedical Sciences for information and guidelines.

Before enrolling in each course to be counted as both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and complete a mixed credit form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Requirements for the Accelerated Master's Option

1. Junior standing and an overall GPA of 3.40 or better
2. Completion of [BMS 110](#), [BMS 231](#), [BMS 321](#); [CHM 160](#), [CHM 170](#), [CHM 175](#), [CHM 310](#) with a GPA of 3.40 or better
3. Undergraduate laboratory research experience is strongly recommended before applying
4. Applicants must submit:
 - a. an official transcript including all undergraduate work
 - b. three letters of recommendation, one written by the future graduate advisor formally accepting the student into their research laboratory.
 - c. GRE scores
 - d. a statement of research interest
5. Acceptance of the applicant by the graduate faculty in cell and molecular biology under the accelerated master's option

Degree requirements

The program requires completion of a minimum of 32 semester hours and includes the following.





1. **Core Courses.** This requirement is met by completing:
[BMS 622](#) Molecular Cell Biology (4 hrs)
[BMS 625](#) Molecular Biology (4 hrs)
[BMS 635](#), Signal Transduction (2 hrs)
[BMS 658](#) Recombinant DNA and Protein Techniques (3 hrs) or [BMS 629](#) Molecular Genetics (3 hrs)
2. **Orientation.** The candidate must enroll in [BMS 701](#), Research in the Biomedical Sciences (3 hrs).
3. **Statistics.** The candidate must enroll in an approved introductory statistics course at the graduate level if a course in statistics is not a part of their previous academic record.
4. **Electives.** Other remedial or elective courses will be selected by the advisor in consultation with the student. Up to nine hours of appropriate course work, excluding research and thesis, may be selected from outside the Department of Biomedical Sciences.
5. **Research.** All candidates (thesis and non-thesis options) must satisfactorily complete a research requirement of at least 3 hours by enrolling in [BMS 798](#). Thesis option candidates may apply an additional 3 hours of [BMS 798](#) and a maximum of 6 hours of [BMS 799](#) toward the 700-level requirement for the degree. Non-thesis option candidates may not apply more than 4 hours of [BMS 798](#) and may not apply [BMS 799](#) toward the degree.
6. **700-level courses.** At least 16 hours of course work must be 700 level or above. A maximum of 6 hours in [BMS 798](#), Research and 6 hours in [BMS 799](#), Thesis may be counted toward the degree. In addition, candidates will be required to enroll every semester in the journal topics course, [BMS 730](#), Current Literature Topics, for a maximum of 4 semesters.
7. **Comprehensive Examination.** The candidate must pass a written exam taken in the third semester of graduate study and an oral examination administered by the departmental cell and molecular biology graduate faculty.
8. Students must earn at least a C grade in all courses. Any grade of less than C will result in the dismissal of the student from the program.



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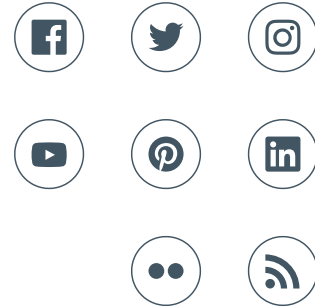
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Graduate Catalog

Nutrition and Dietetics



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Graduate programs

Master of Science, Nutrition and Dietetics

Hillary Roberts, Dietetic Internship Program Director

Kampeter Health Sciences Hall, Room 408

Phone: 417-836-8884

HRoberts@MissouriState.edu (<mailto:HRoberts@MissouriState.edu>)

Program description

The Master of Science in Nutrition and Dietetics (MSND) program provides knowledge and skills in the dietetics field with an emphasis on population health. This program will prepare dietetic professionals to work at various settings: community and government agencies, medical care facilities, and educational institutions. Graduates specialize in nutrition and dietetics of various population health issues, are able to assess population health needs, and design, implement and evaluate programs, systems or environments to aid in improving the health of diverse groups of population.

Admission requirements

To be considered for admission to the Master of Science in Nutrition and Dietetics (MSND), a prospective student must be admitted to Missouri State's Dietetic Internship Graduate Certificate Program (DI) or provide a copy of their Registered Dietitian and Nutritionist (RDN) identification card issued by the Commission on Dietetic Registration.

Final admission decisions will be based on a complete application form in GradCAS which includes the application fee per the MSU Graduate College policy. A complete application for RDN applications requires the following:

1. Provide copy of Registered Dietitian and Nutritionist (RDN) identification card issued by the Commission on Dietetic Reistration (CDR).
2. Completion of a baccalaureate degree from an ACEND accredited college or university.
3. Cumulative GPA of 3.00 over the last 60 hours of academic work taken.
4. A personal philosophy statement, two pages maximum, addressing the applicant's professional career goals and how the program will help accomplish these goals, in addition to discussing the applicant's strengths and areas of improvement.
5. Students for whom English is a second language must earn a score of 79 or higher on the internet-based within two years prior to application on the Test of English as a Foreign Language (TOEFL). The TOEFL website is www.ets.org/toefl.
6. Two written recommendations.
 - a. Academic reference
 - b. Work or volunteer reference
7. Resume which includes paid and volunteered work experience in dietetics.

Requirements for Non-Registered Dietitian Nutritionists

If you are not a RDN, you must first apply to the dietetics internship (DI) graduate certificate program using the online centralized internship application, Dietetic Internship Centralized Application Process (DICAS). Once enrolled, you can choose to switch your degree program to the MSND program. Admission requirements for the DI graduate certificate program can be found on the DI website Admission Requirements.

Full admission to the MSND program is competitive; not all that apply will be admitted. Students who are not admitted into the program may apply for the next application deadline.

MSND Transfer of Credit Policy

On a case-by-case basis, Missouri State may accept graduate credit earned at other regionally accredited institutions or well-established international institutions. The Missouri State University Graduate transfer policy allows transfer credit to count for up to 30% of the program of study. Students who are RDNs may transfer hours for DTN 740, 741, 742, and 743. A student requesting transfer credit is responsible for providing an official transcript and copy of course syllabus from the school from which the student received the academic credit. Acceptance of transfer credits occurs through recommendation of the student's major advisor and approval of the Graduate College. Grades on transfer courses accepted in the degree program are included in the overall graduate grade point average.

MSND Work Experience Related Policy

Work experience will not be awarded credits required to graduate from the MSND program.

Retention requirements

After admission into the MSND Program, a student must achieve the following for retention in the program:

1. Maintain a GPA of 3.00, with no more than 9 semester hours of graduate work below a grade of "B", and no hours of graduate work below a "C".
2. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of healthcare professionals.
3. Demonstrate acceptable professional progression in application of skills and knowledge.
4. Maintain current health and liability insurance.

Students who fail to meet the retention criteria may:

1. Be placed on academic or clinical probation in the MSND Program, or
2. Be dismissed from the Program, based on the judgment of the majority of the MSND faculty. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission into the MSND Program. Students have the right to follow the University's appeal process on any disciplinary sanction received.
3. Students should refer to the Missouri State University Dietetics Graduate Student Handbook for additional policies and procedures.

Degree requirements (Minimum of 42 hours)

MSND with concentration in population health emphasis

| Course Code | Course Title | Credit hours |
|--------------------------------|---|---------------------|
| <u>DTN 740</u> | Medical Nutrition Therapy I Practicum | 3 hrs |
| <u>DTN 741</u> | Medical Nutrition Therapy II Practicum | 3 hrs |
| <u>DTN 742</u> | Population Health Nutrition Practicum | 3 hrs |
| <u>DTN 743</u> | Foodservice Management Practicum | 3 hrs |
| <u>DTN 744</u> | Practicum in Area of Concentration | 3 hrs |
| <u>DTN 750</u> | Advanced Medical Nutrition Therapy | 1 hr |
| <u>DTN 752</u> | Advanced Population Health Nutrition I | 1 hr |
| <u>DTN 762</u> | Advanced Population Health Nutrition II | 2 hrs |
| <u>DTN 753</u> | Advanced Food Service Management | 1 hr |
| <u>DTN 755</u> | Advanced Nutrition Counseling | 1 hr |
| <u>MGT 701</u> | Health Services Organization | 3 hrs |
| <u>PBH 710</u> | Clinical Epidemiology | 3 hrs |
| <u>PBH 730</u> | Biostatistics in Health Sciences | 3 hrs |

| Course Code | Course Title | Credit hours |
|---|---|-----------------------|
| PBH 740 | Health Behavior | 3 hrs |
| PBH 760 | Research Methods in Public Health | 3 hrs |
| PBH 775 | Principles and Skills of Public Health Administration | 3 hrs |
| DTN 797 OR DTN 799 | Non-thesis Project OR Thesis | 1-3 hrs OR 1-6 hrs |

Elective courses

Students are not required to complete any elective courses but are welcome to work directly with their advisor and committee to determine if elective courses should be completed to strengthen their plan of study.

Culminating assessment of student learning

Students must demonstrate a culminating assessment of student learning by meeting one of the following:

1. Satisfactory completion of scholarly paper and formal community or professional presentation which are components of [DTN 797](https://graduate.missouristate.edu/catalog/BiomedSci_courses.htm#DTN797) (https://graduate.missouristate.edu/catalog/BiomedSci_courses.htm#DTN797); or
2. Satisfactory completion of a thesis and oral defense which are components of [DTN 799](https://graduate.missouristate.edu/catalog/BiomedSci_courses.htm#DTN799) (https://graduate.missouristate.edu/catalog/BiomedSci_courses.htm#DTN799).



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Biomolecular Sciences



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Certificate in Biomolecular Sciences

Scott D. Zimmerman, Director of Graduate Studies

Kampeter Health Sciences Hall, Room 353

Phone 417-836-6123

BMS Department phone: 417-836-5603

ScottZimmerman@MissouriState.edu (mailto:ScottZimmerman@MissouriState.edu)

Program description

The Graduate Certificate in Biomolecular Sciences provides a 13-credit hour graduate-level experience for those interested in a deeper understanding of the techniques and applications used in the field of Cell and Molecular Biology. The program provides for the acquisition of knowledge and skills necessary for supporting burgeoning scientists in this field. Completion of this certificate can occur as part of the Master's in Cell and Molecular Biology graduate program.

Admission requirements

1. Undergraduate GPA of 3.0 or higher
2. GRE score of 290 or higher

Required Courses

| Course Information | Course Title | Credit Hours |
|-------------------------|--|--------------|
| BMS 622 | Molecular Cell Biology | 4 hrs |
| BMS 625 | Molecular Biology | 4 hrs |
| BMS 635 | Signal Transduction | 2 hrs |
| BMS 658 | Recombinant DNA and Protein Techniques | 3 hrs |


Retention requirements

After admission into the Graduate Certificate in Biomolecular Sciences program, the students must maintain a GPA of 3.0 or higher, with no more than one course with a grade of "C", and no course with a grade of "C-" or lower.



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Missouri State

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Dietetic Internship



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Graduate programs

Certificate in Dietetic Internship

Program accreditation

The Missouri State University Dietetic Internship Certificate Program has been granted Full Accreditation by the Accreditation Council for Education in Nutrition and Dietetics (ACEND). ACEND is the Academy of Nutrition and Dietetics' accrediting agency for education programs preparing students for careers as registered dietitian nutritionists or dietetic technicians, registered. ACEND serves and protects students and the public by assuring the quality and continued improvement of nutrition and dietetics education programs. Programs meeting those standards are accredited by ACEND.

Program goals

The Dietetic Internship will:

1. prepare graduates to be competent for practice as entry-level registered dietitian nutritionists.

2. prepare graduates with life-long learning skills which will enhance the dietetic profession and demonstrate leadership in the field of dietetics.
3. emphasize and model a commitment to community engagement, preparing graduates who are socially accountable to their community and the profession.

Admission requirements

1. Evidence of meeting the minimum academic requirements from an ACEND-approved Didactic Program in Dietetics by a "Verification Statement" or "Declaration of Intent to Complete Degree" and/or ACEND-approved "Minimum Academic Requirements" within five years of application.
2. Completion of the baccalaureate degree from an accredited college or university.
3. Cumulative GPA of 3.00 over the last 60 hours of academic work taken.
4. Graduate Record Examination (GRE) required taken no earlier than five years prior to application. There is no minimum GRE requirement. All completed applications are considered in full.
5. Completed application form.
6. A personal philosophy statement addressing the applicant's professional career goals and how the DI program will help accomplish these goals, in addition to discussing the applicant's strengths and areas of improvement.
7. Students for whom English is a second language must earn a minimum score of 79 on the internet-based within two years prior to application on the Test of English as a Foreign Language (TOEFL). The TOEFL website is <http://www.toefl.org>.
8. Three written recommendations received with the application must be without significant reservations/concern.
 - a. Dietetic academic reference
 - b. Work or volunteer reference
 - c. Final reference is the applicant's choice
9. Resume which includes:
 - a. Work experience in dietetics, including paid and volunteered work
 - b. Involvement in college and/or community activities
10. After the application period closes, the selection committee will review all of the applications and select students for an interview. Interview will be conducted via telephone.
11. Following admission to the Missouri State DI, interns will complete the Graduate College Application for Admission and be enrolled in the graduate college.
12. After formal admission to the University and the program, interns will submit a completed Graduate Certificate Plan of Study.

Upon acceptance to the DI, additional requirements include:

1. Meet technical standards of the program in order to successfully undertake the course of study including evidence of good health. These standards are available upon request from the program.
2. Evidence of immunization or vaccination for vaccine-preventable diseases to include MMR, tetanus, TB test, Hepatitis A, and a complete Hepatitis B series including a titer demonstrating immunity. Other vaccinations may be required such as a seasonal flu vaccine.
3. Evidence of professional liability and health insurance, including hospitalization.
4. Provide documentation of negative tuberculosis status or evidence of appropriate follow-up.
5. Hold and maintain infant, child and adult CPR certification valid throughout the DI.
6. Hold ServSafe Certification valid throughout the DI.
7. Interns must have reliable transportation and provide evidence of vehicle liability insurance that meets or exceeds the minimum requirements of the State of Missouri.

8. Student membership in the Academy of Nutrition and Dietetics.
9. Interns must enroll on a full-time basis and progress through the program as a cohort group.
10. Submit a drug screening test and criminal record check* and receive response that the applicant has not been convicted of any crime pursuant to Section 324.217 or other disqualifications that would prohibit licensure as a registered dietitian.

*Students who fail these checks or procedures will be subject to further review by the Department of Biomedical Sciences.

Program retention and completion requirements

1. Interns must satisfactorily complete all assignments and experiences for each internship rotation. Satisfactory completion will be based on performance appraisal which meets standards identified in appraisal rating criteria.
2. Assignments or experiences which were not satisfactorily completed must be corrected or repeated. No more than one graduate course may be repeated.
3. Maintain a GPA of 3.00, with no more than 3 semester hours of graduate work below a grade of "B", and no hours of graduate work below a grade of "C".
4. Receive a satisfactory (3) or higher rating in all required competencies as set forth by ACEND.
5. Students must successfully complete all rotations and all course work in order to receive the verification statement and graduate certificate of completion.
6. All work must be completed and competencies met within 150% (13.5 months) of the time planned for completion.

Required Courses - 18 hours


| Course Code | Course Title | Credits |
|--------------------------------|--|---------|
| <u>DTN 740</u> | Medical Nutrition Therapy I Practicum | 3 hrs |
| <u>DTN 741</u> | Medical Nutrition Therapy II Practicum | 3 hrs |
| <u>DTN 742</u> | Population Health Nutrition Practicum | 3 hrs |
| <u>DTN 743</u> | Food Service Management Practicum | 3 hrs |
| <u>DTN 744</u> | Practicum in Area of Concentration | 3 hrs |
| <u>DTN 750</u> | Advanced Medical Nutrition Therapy | 1 hr |
| <u>DTN 752</u> | Advanced Population Health Nutrition I | 1 hr |
| <u>DTN 753</u> | Advanced Foodservice Management | 1 hr |




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Graduate Catalog


Department of Communication Sciences and Disorders

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 Includes accelerated completion option

 Program can be completed online

Master's programs

[Communication Sciences and Disorders: Education of the Deaf and Hard of Hearing_option](#) (MS) 


[Communication Sciences and Disorders: Speech-Language Pathology_option](#) (MS)

Doctoral programs

[Audiology](#) (AuD) 

Certificates

[Education of the Deaf and Hard of Hearing](#)

(Certificate) 

Accreditation

- American Speech-Language-Hearing Association – Communication Sciences and Disorders options in Speech-Language Pathology (MS), and Doctor of Audiology (AuD)
- Council on Education of the Deaf – Communication Sciences and Disorders option in Education of Deaf and Hard of Hearing (MS)

Contact

Interim Department Head

Alana Mantie-Kazlowski

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Kampeter Health Sciences Hall,
Room 237

Phone

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Fax

417-836-4242

Email

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Website


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Professors

Wafaa Kaf

Julie J. Masterson

Letitia White

Associate professors

Thomas C. Franklin

Alana Mantie-Kozlowski

Assistant professors

Lindsey Hiebert

Abdullah Jamos

Sarah Lockenvitz

Shurita Thomas-Tate

Visiting assistant professor

Sonia Bala Arora

Clinical professors

Deborah Cron

Karen Engler

Tara L. Holland-Oetting

Clinical associate professors

Sarah Barber

Edith Bobbitt-Boyce

Jennifer Kerr

Clinical assistant professors

Kimberly Ireland

Lauren Jones

Sarah Jones

Holly Metcalf

Lisa Proctor

Adjunct faculty

Nicole Blanchard

Flint A. Boettcher

Paul Carter

Mark Chertoff

Judith Cho Lieu

Ali Asghar Danesh

Saravanan Elangovan

Brian T. Faddis

John Ferraro

Lisa Geier

Jeffery Lichtenhan

Andre Lodwig

Brandi Lofaro

Mallory Moore

Aaron Steinman

Jacek Smurzynski

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Mark John Van Ess

Erdem Yavuz

Emeritus professors

Klaas Bakker

Neil J. DiSarno



Harold W. Meyers, Jr.



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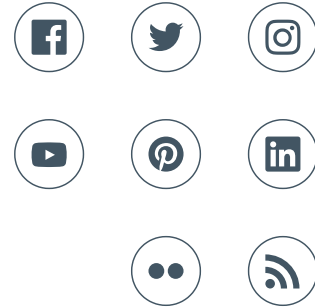
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Missouri State

Graduate College

Graduate Catalog

Communication Sciences and Disorders Courses

Communication Sciences and Disorders (CSD) courses

CSD 621 Sign Language: Signed English I

Gain beginner level skill in sign language and finger-spelling through Manually coded English. Develop a general knowledge base including the history of sign language and the spectrum of sign options available. May be taught concurrently with CSD 321. Cannot receive credit for both CSD 321 and CSD 621. Students will be required to complete a project in an area related to their professional course of study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 623 Neural Bases of Human Communication

Study of the nervous system and its role in normal and abnormal speech and language processing. May be taught concurrently with CSD 522. Cannot receive credit for both CSD 522 and CSD 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 631 Sign Language: Signed English II

Prerequisite: CSD 321 or CSD 621.

Emphasis on the expansion of Manually Coded English sign language skills through the use of conversation and the increased development of vocabulary. Students will be required to complete a project in an area related to their professional course of study. May be taught concurrently with CSD 322. Cannot receive credit for both CSD 631 and CSD 322.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 636 Introduction to American Sign Language (ASL)

A beginning level course in American Sign Language. Students will gain information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 330. Cannot receive credit for both CSD 636 and CSD 330.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 637 Introduction to American Sign Language (ASL) II

Prerequisite: CSD 636.

An advanced beginning level course in American Sign Language. Students will gain more complex introductory information about the history and structure of this unique visual/gestural system of communication, its vocabulary and syntax, and practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 331. Cannot receive credit for both CSD 637 and CSD 331.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 638 Introduction to American Sign Language (ASL) III

Prerequisite: CSD 637.

An intermediate level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain

further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 332. Cannot receive for both CSD 638 and CSD 332.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 639 Introduction to American Sign Language (ASL) IV

Prerequisite: CSD 638.

An advanced level course in American Sign Language. Students will gain information regarding vocabulary, syntax and cultural factors related to this unique visual/gestural system of communication. Students will gain further practical experience in its use, both expressively and receptively. May be taught concurrently with CSD 333. Cannot receive credit for both CSD 639 and CSD 333.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 669 Psycho-Social Implications of Being Deaf and Hard of Hearing

Prerequisite: permission.

Characteristics and problems of persons who are D/HH as they affect interaction with general society. Emphasis on interpersonal relationships through the lifespan. Introduction to adolescent development and psychology of learning of the typical child. May be taught concurrently with CSD 562. Cannot receive credit for both CSD 562 and CSD 669.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 673 Aural Rehabilitation

Prerequisite: CSD 360.

Principles of habilitation/rehabilitation of communication disorders related to hearing impairment. Types of amplification and assistive listening devices used in classrooms. Issues of classroom acoustics and ways to optimize the classroom listening environment. May be taught concurrently with CSD 572. Cannot receive credit for both CSD 572 and CSD 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 681 Technical Solutions in Communication Disorders

Review and demonstration of current hard- and software systems for the evaluation, treatment, and research of communication disorders. May be taught concurrently with CSD 580. Cannot receive credit for both CSD 580 and CSD 681.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 685 Development, Diversity, and Deafness

Includes prevalence, terminology and the effects of hearing loss and its management on child development. Comprehensive scope of communication options will be explored. Exceptionalities, including cultural and linguistic differences among individuals who are deaf or hard of hearing will be considered within the context of family and development, both educationally and socially. Fifteen hours of integrated service-learning will be a component of the course. May be taught concurrently with CSD 380. Cannot receive credit for both CSD 685 and CSD 380. Students in this course will be required to complete additional assignments compared to those students in CSD 380 for the purpose of developing skills, knowledge, and dispositions related to teaching and learning in varied settings with diverse learners required for all educators to be effective in a global society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 701 Research: Deaf and Hard of Hearing

Prerequisite: permission.

Foundation for research study in the education of individuals who are deaf and hard of hearing. Emphasis will be placed on evaluation of research and professional writing as it pertains to education of individuals who are deaf and hard of hearing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

CSD 702 Research Methods in Communication Disorders

Prerequisite: CSD 712 or concurrent enrollment.

Nature of qualitative and quantitative research methodology, experimental design, scientific writing, and the exploration of efficacy and effectiveness in evidence-based practice. Examination of research literature through critical reviews of articles. The design of research pertaining to speech, language and hearing functions, and the analysis of data.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 710 Developmental Psycholinguistics

Prerequisite: CSD 712 or concurrent enrollment.

Presentation of current theories associated with psycholinguistic development. Focus will be on auditory perception, individual differences, cognitive hypotheses, and stage transition.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 712 Child Language I

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Issues related to the area of language development and disorders in children age birth to five will be presented. The course will focus on best practices for the assessment and treatment of children age birth to five with language disorders.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 713 Child Language II

Prerequisite: CSD 712 or concurrent enrollment.

Current issues within the area of oral and written language development and disorders in school-age children and adolescents will be discussed. Methods for critically evaluating research and applying this research to clinical practice with children and adolescents with language disorders will be covered. Focus of course is on optimal methods for assessment and treatment of language disorders in children and adolescents.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 714 Language Disorders: Rehabilitation

Prerequisite: CSD 712 or concurrent enrollment.

Diagnostic and therapeutic strategies for language disorders in adults associated with auditory discrimination, perception, short and long-term memory, semantic and syntactical concept formation, and retrieval of auditory information.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 715 Infants and Toddlers: Communication Assessment and Treatment

Prerequisite: CSD 712 or concurrent enrollment.

Issues regarding communication assessment and intervention for infants and toddlers will be discussed. Course content will include a study of at-risk factors and established risks for developmental disabilities. Service delivery models for the assessment and treatment of communication disorders for infants and toddlers will be presented. Play-based assessment and intervention strategies will be included in course content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

CSD 716 Craniofacial Anomalies

Prerequisite: CSD 712 or concurrent enrollment.

The study of communication and associated problems related to congenital and acquired craniofacial anomalies. Emphasis on interdisciplinary procedures relative to amelioration of communication deficits manifest in these anomalies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 718 Fluency Disorders

Theoretical, clinical, and experimental approaches to the study and treatment of fluency disorders.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Summer |

CSD 720 Voice Disorders

The study of the human voice and its disorders. Emphasis on 1) evaluation and treatment of neurogenic, psychogenic, and idiopathic voice disorders, and 2) respiratory, laryngeal and velopharyngeal dysfunction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Summer |

CSD 724 Aphasia

Prerequisite: CSD 712 or concurrent enrollment.

Emphasis on language impairment as a result of brain dysfunction. A theoretical and clinical analysis of the neurolinguistic basis for describing, diagnosing, remediating, and/or providing means for alternative communication for individuals who suffer from aphasia.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSD 725 Motor Speech Disorders

Prerequisite: CSD 712 or concurrent enrollment.

Study of neurogenic speech disorders. Emphasis on the evaluation and treatment of (1) the dysarthrias and dyspraxias, and (2) underlying neurologic and vocal tract dysfunction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 726 Diagnostics: Speech and Language Assessment

Prerequisite: CSD 712 or concurrent enrollment.

Principles and procedures for tests of language and speech dysfunctions. Interpretation of diagnostic findings leading to clinical decision-making, rehabilitative planning and reporting. Students obtain clinical experience in diagnostic procedures at the University Speech and Hearing Clinic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 728 Advanced Study of Phonological (Sound System) Disorders in Children

Prerequisite: CSD 712 or concurrent enrollment.

Discussion of processes involved in phonological production and how breakdowns in these processes, including hearing loss or deafness, lead to specific problems. Methods for critically evaluating research and applying this research to the study of phonological disorders will be covered. Focus of course is on optimal methods for assessment and treatment of phonological disorders in children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 729 Cognitively-Based Communication Disorders

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Exploration of the pathophysiology, nature, appraisal, prevention, and management of a variety of neurogenic communication disorders, excluding the aphasias, that affect human cognition. These disorders include right hemisphere syndrome, and traumatic brain injury, in both children and adults, and the dementias.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

CSD 732 Speech and Language Assessment and Treatment for Special Populations

Prerequisite: CSD 712 or concurrent enrollment.

Information on the speech and language disabilities associated with children with special needs. Target populations will include children with cognitive disabilities, dual sensory disabilities, autism spectrum disorders, behavioral disabilities and/or physical disabilities, and children who are deaf and hard of hearing.

Communication development and prevention, assessment, and intervention for each of these populations will be addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 733 Introduction to Augmentative and Alternative Communication

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

This course will cover the basic components of AAC as well as assessment and intervention strategies. In addition, the operation, evaluation, and application of the technology associated with AAC will be presented. AAC assessment and intervention will be discussed in regards to the following populations: children and adults with developmental disabilities and individuals with acquired disabilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 741 Dysphagia

Prerequisite: CSD 712 or concurrent enrollment.

Comprehensive study of normal and disordered swallowing. Special emphasis will be placed on the evaluation and treatment of disordered swallowing processes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 742 Speech-Language Services in Medical Settings

Prerequisite: CSD 712 or concurrent enrollment.

This course is designed to provide a guide to the concepts, policies, and procedures encountered in the medical setting. It is hoped that at the end of this course, students will feel more comfortable entering the medical setting in various practicum settings that are required in our graduate program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

CSD 758 Early Intervention Assessment: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Methods and techniques for working with families as well as in the educational environment of infants and children who are deaf or hard-of-hearing from birth through the beginning elementary school years. Emphasis on methods and procedures of formal and informal assessment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

CSD 759 Early Intervention: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Methods and techniques for working with families who have infants, toddlers and/or young children who are deaf or hard of hearing from birth to the beginning elementary school years in both natural and educational environments. Emphasis on methods and procedures for intervention, interpretation of assessment data and prescriptive instruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

CSD 760 Language Development: Deaf and Hard of Hearing I

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories and research into language development in individuals with hearing and those with losses of hearing are explored with implications for assessment and intervention. Problems and issues related to language development are presented for reflection and discussion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 761 Language Development: Deaf and Hard of Hearing II

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Methods, strategies, and techniques of language development that may be applied in assessing and instructing students with hearing losses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

CSD 762 Speech Development: Deaf and Hard of Hearing I

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories of speech development as they apply to persons who are deaf or hard of hearing. Phonetics including transcription. Anatomy and physiology of the speech mechanisms. Techniques for analyzing speech will be stressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 763 Auditory Development: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Development of listening skills across settings by maximizing use of residual hearing and hearing technologies, notably cochlear implants. Auditory re/habilitation assessment, intervention, and principles as it relates to individuals who are deaf or hard of hearing and their families with emphasis on a developmental model for the acquisition of speech and language. Challenges with classroom acoustics and ways to optimize the classroom listening environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 764 Instructional Strategies: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program.

Development of instructional strategies for teaching students who are deaf or hard of hearing with an emphasis on differentiated instruction. Focus on upper elementary through the secondary school levels, including career education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 765 Reading: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theories of reading with an emphasis on adaptations for assessment and intervention for students who are deaf or hard of hearing. Introduction to available resources.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 766 Counseling: Deaf and Hard of Hearing

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

Theoretical bases of counseling and the role of the educator in the counseling process. Emphasis on the counseling process as it affects the educational, personal, social, and familial adjustment of individuals who are deaf or hard of hearing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

CSD 767 Amplification Systems in the Educational Setting

Prerequisite: permission.

The different types of amplification and assistive listening devices used in classrooms will be discussed in detail. Students will be able to discuss issues of acoustics and amplification devices in educational settings. They will learn vocabulary needed for communication with other professionals, and they will obtain hands-on experience with hearing aids and assistive devices found in classrooms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 782 Acoustic Phonetics

Prerequisite: CSD 712 or concurrent enrollment.

Investigation of the acoustic characteristics of normal and pathological speech and voice production.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 783 Physiological Phonetics

Prerequisite: CSD 712 or concurrent enrollment.

Analyses of the physiological features underlying voice, speech and language processes; theories of encoding, and encoding control mechanisms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 784 Non-Thesis Project

In-depth study in an area of communication sciences and disorders, culminating in a presentation of an extensive scholarly paper. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 1 credit hour per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hour in the first semester of enrollment and then 1 credit hour in the subsequent semester for a minimum total of 4 credit hours, may be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

CSD 788 Professional Issues I: Education Settings

Prerequisite: CSD 712 or concurrent enrollment.

This class will be taught in conjunction with student's school practicum experiences and will focus on professional issues in school settings. Topics will include overview of service delivery systems, business aspects of service delivery, scope of practice, quality assurance/assessment, legal and ethical responsibilities, professional organizations, and career development issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 789 Professional Issues

Prerequisite: CSD 712 or concurrent enrollment.

This functionally-oriented course is designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applications to a variety of speech-language pathology settings; professional organizations; and recognition of potential external influences that may impact treatment objectives and length of intervention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 790 Workshop in Communication Disorders

Prerequisite: permission.

A concentration of work to improve the skill and knowledge in specific areas. Each workshop will be concerned with a single topic. Number of class hours determined by length of workshop. Thirty clock hours equal 1 semester hour. May be repeated to a maximum of 6 hours credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

CSD 791 Professional Issues in Speech-Language Pathology

Prerequisite: CSD 712 or concurrent enrollment.

Functionally-oriented course designed to complement students' concurrent clinical externships in educational and healthcare settings. Issues include, but are not limited to, in-depth discussion and analysis of relevant local, state, and national policies and procedures for ethical and effective evidence-based service delivery; models of collaborative team assessment and treatment applicable to a variety of practice settings; and recognition of potential external influences that may impact treatment objectives and length of intervention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 792 Independent Study

Prerequisite: permission.

Study may be a reading project or a practical application of theories. May be repeated to a maximum of 4 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CSD 794 Orientation to Clinic Speech Pathology

Prerequisite: CSD 712 or concurrent enrollment.

Preparation for practicum work in speech pathology. Clinic procedures, observation guidelines, documentation requirements, shadowing of practicing clinicians, development of integration of knowledge and skills in speech pathology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

CSD 795 Advanced Clinical Practice

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CSD 796 Supervised Teaching

Prerequisite: admission to Education of Deaf and Hard of Hearing graduate program or graduate certificate.

The assumption of teaching responsibilities at an approved practicum site under the direction of a University CED certified supervisor and practicum site instructor. Students enrolled in this course may be required to have a physical examination, including a TB test before placement in the practicum setting.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 8 | | | Upon demand |

CSD 797 Speech-Language Pathology Externship

Prerequisite: CSD 712 or concurrent enrollment.

Professionally supervised practice in speech-language assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-4 | | | Fall, Spring, Summer |

CSD 799 Masters Thesis

Prerequisite: admission to graduate program in Department of Communication Sciences and Disorders.

In-depth research culminating in a presentation and defense of the thesis. Syllabi with specific expectations will be developed for each semester. SLP Emphasis: Students register for 2 credit hours per semester for a minimum of 3 semesters; may be repeated. DHH Emphasis: Students register for 3 credit hours per semester for a minimum of 2 semesters; may be repeated. Students must be registered for at least one credit hour until the thesis has been approved.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CSD 800 Research Methods in Audiology

Prerequisite: CSD 807 or concurrent enrollment.

This course will outline the research process in audiology beginning from proposing a research question to drawing and disseminating conclusions. Special emphasis will be place on conducting clinical research and evaluating published research findings in audiology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 807 Auditory System: Physiology/Neurophysiology

Prerequisite: admission to Doctor of Audiology program.

This course describes in depth aspects of the peripheral and central auditory system as it pertains to anatomy and physiology. Students learn about the functional development of the human auditory system as well as comparative anatomy. The peripheral anatomy will include external (pinna, canal, and tympanic membrane), middle (ossicular mechanism, eustachian tube, facial nerve) and cochlear structures (microanatomy, ultrastructures, sensory epithelium, cochlear fluids, vascular system). The central anatomy will include the

cochlear nerve, neural transmission, afferent and efferent pathways (brainstem and midbrain) and cortical function.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 834 Diagnostic Audiology I

Prerequisite: admission to Doctor of Audiology program.

A comprehensive study of a variety of site of lesion tests. The course will cover acoustic immittance and reflectance measures including tympanometry and acoustic reflex measures for detection of middle ear disorders and site of lesions in the auditory pathway. Other site of lesion tests include threshold and suprathreshold tone decay, loudness recruitment, loudness balance. Short Increment Sensitivity Index, Bekesy tests and brief tone audiometry. Tests for detection of nonorganic hearing loss will also be discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 835 Auditory Electrophysiology I

Prerequisite: CSD 807 or concurrent enrollment.

This course introduces the electrophysiological auditory responses with a focus on the inner ear responses. The course discusses the different types of otoacoustic emissions (OAEs) and the cochlear potentials of the Electrocochleography test (cochlear microphonics [CM] and summing potentials [SP]) in detail. Students will learn how to record, analyze and interpret OAEs, CM and SP. Students will, also, learn screening and diagnostic applications of electrophysiological responses in a variety of auditory pathologies. Several academic disciplines contribute to the material covered, including: physiology, anatomy, and pathology. Topics extend to the auditory efferent system, ototoxicity monitoring, neonatal hearing screening, noise induced hearing loss, and beyond.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 840 Speech Pathology for the Audiologist

Prerequisite: CSD 807 or concurrent enrollment.

In-depth discussion of normal and disordered speech and language development, with emphasis on hearing loss and its effect on speech and language. Central auditory processing disorders, adult communication disorders, and proper evaluation and referral processes for speech and language also discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 842 Vestibular Assessment and Rehabilitation

Prerequisite: CSD 807 or concurrent enrollment.

An examination of the physiological aspects of the vestibular system, chemical effects on the vestibular system, medical and chemical treatment methods, balance system assessment, assessment of the efficacy of intervention, and anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Fall |

CSD 844 Auditory Electrophysiology II

Prerequisite: CSD 807 or concurrent enrollment.

A look at various techniques and theories behind electrodiagnostic testing procedures. Advanced study of auditory evoked responses applied in audiology. Anatomy, neuroanatomy, and physiology of the pertinent sections of the auditory system (peripheral and central) will be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 846 Instrumentation and Calibration

Prerequisite: CSD 807 or concurrent enrollment.

Detailed investigation into instrumentation and calibration and its importance in the field of Audiology. Emphasis on bioelectrical hazards, physical characteristics and measurement of acoustic, electric, and other non-acoustic stimuli, determination of calibration in relation to accepted standards, and use of various types of instrumentation according to manufacturer's specifications and recommendations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 848 Cochlear Implants and Other Assistive Listening Devices

Prerequisite: CSD 807 or concurrent enrollment.

This course provides an investigation into the various types of cochlear implants and an understanding of the anatomical and psychological aspects, including controversies surrounding implantation of children. Emphasis will include intervention and therapy techniques for children and adults with cochlear implants and other alternative listening devices.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 849 Basic Audiometry

Prerequisite: CSD 807 or concurrent enrollment.

This course describes aspects of basic diagnostic testing in clinical audiology. Students learn about basic diagnostic test procedures including air-conduction and bone-conduction threshold testing, speech audiometric test procedures and clinical masking procedures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 850 Pediatric Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Overview of auditory development. Presentation of auditory disorders, audiological assessment, and treatment needs specific to infants and children. Emphasis on parent-child interactions and family dynamics in habilitating hearing-impaired children. Relevant calibration and instrumentation issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

CSD 852 Advanced Hearing Science

Prerequisite: admission to Doctor of Audiology program.

Acoustics and physical measures involving the properties of sound as well as psychoacoustics and sound perception.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 866 Counseling in Audiology

Prerequisite: admission to Doctor of Audiology program.

Various counseling strategies used in clinical audiology practice will be discussed. Counseling needs of adults with hearing loss and families of children with hearing loss will be reviewed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

CSD 868 Amplification Systems I

Prerequisite: CSD 807 or concurrent enrollment.

Current concepts in amplification and assistive listening devices. Evaluation, selection, and fitting of prosthetic devices for the hearing impaired. Relevant calibration and instrumentation issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

CSD 870 Clinical Audiology II

Prerequisite: CSD 807 or concurrent enrollment.

Theory and practice of electrophysiological testing for the auditory and vestibular systems. Relevant calibration and instrumentation issues.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

CSD 871 Amplification Systems II

Prerequisite: CSD 807 or concurrent enrollment.

Coverage of recent developments in remediation of communication disorders related to hearing loss in adults and children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 873 Educational Audiology

Prerequisite: CSD 807 or concurrent enrollment.

This course includes information and strategies students need to work in today's inclusive school environment, functioning as part of a collaborative team, helping develop IFSPs, IEPs and ITPs, supervising audiological screening and conservation programs. It will prepare students to perform the various roles of the educational audiologist, clinician, community liaison service coordinator, supervisor, and advocate. Issues that affect learners with hearing impairment across the lifespan (infant toddlers, elementary and high school students, and college and adult learners) and various regulations related to the delivery of effective educational services (e.g., ADA, IDEA) will be discussed. This course will also include information on the evaluation of, and referral process for, speech and language disorders related to hearing loss.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 874 Clinical Audiology III

Prerequisite: CSD 807 or concurrent enrollment.

Discussion of recent advances in audiology and hearing science research which have potential clinical application.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSD 875 Medical Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Detailed analysis of the etiology and assessment of common pathologies of the auditory system. Medical intervention and audiologic test battery interpretation discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 876 Hearing Conservation and Calibration

Prerequisite: CSD 807 or concurrent enrollment.

This course will prepare the audiologist to meet industrial needs for sound measurement and hearing conservation. Government standards will be reviewed and applied to industrial settings that fall under OSHA guidelines for hearing conservation. This will include the anatomical and physiological effects of noise on humans; federal standards and damage-risk criteria, the susceptibility and predisposing factors related to industrial noise as well as conducting and reporting a noise survey with a hearing conservation plan. The course will also cover calibration of audiometers and the use of ANSI standards.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 878 Professional Issues in Audiology

Prerequisite: admission to Doctor of Audiology program.

Investigation into current professional issues and ethics in the field of audiology will be covered. Topics will include laws, ethics, current issues, regulations and policies. Emphasis on discussing topics as they relate to the three pillars of Missouri State University's public affairs mission: community engagement, cultural competence, and ethical leadership.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Spring |

CSD 879 Practice Management in Audiology

This course will provide an introduction to audiology practice management. Emphasis is placed on private and clinical practice. Development of a business proposal, relevant laws, current issues, regulations, policies, management and marketing of practices, record maintenance and technology and social media in the workplace will be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSD 880 Grand Rounds in Audiology

Prerequisite: CSD 807 or concurrent enrollment.

Describes in-depth aspects of audiological evaluation, diagnosis and management of routine and complex cases. The course will review cases in which behavioral, electrophysiologic, central, and vestibular testing are necessary to allow differential diagnosis. Each case study will involve the progression of the disorder and audiological/medical manifestations that occur during this period. Discussion involving strategies for (re)habilitation, remediation and management of each auditory disorder will be examined. The latter may include amplification, central auditory processing, counseling and tinnitus management. Case presentations will be obtained from audiology, otology, and neurology journals, text and personal cases. In addition, with respect to aural (re)habilitation, presentations will be made on current trends in amplification management regarding manufacturers' products and their applicability to specific cases. Must be repeated to a minimum of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Summer |

CSD 884 Doctoral Project

Prerequisite: CSD 807 or concurrent enrollment.

In-depth study in an area of Audiology, culminating in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CSD 895 Advanced Clinical Practice

Prerequisite: CSD 807 or concurrent enrollment.

Training in audiology, speech and language disorders, and education of the deaf and hard of hearing in clinical, hospital, school, and/or other settings. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CSD 900 Professional Preparation for Externship

This course will guide students through the process of obtaining a fourth year externship. Construction of a cover letter, professional resume and interview techniques will be covered. In addition, requirements of the 4th

year externship and professional licensure and certification after graduation will be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

CSD 945 Central Auditory Processing Disorders

Prerequisite: CSD 807 or concurrent enrollment.

This course describes various aspects of central auditory processing and disorders. Students learn about the underlying processes of auditory processing in the central nervous system. They are provided with a review of several evaluation and remediation approaches used in the management of individuals with central auditory disorders.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSD 972 Advanced Auditory Re/Habilitation

Prerequisite: CSD 807 or concurrent enrollment.

Course will include detailed investigation into clinical assessment, treatment techniques, and evaluation of auditory re/habilitation and discussion of the theories and research of language development in individuals with both normal and impaired hearing. Implications for intervention are reviewed and discussed. Various counseling strategies for both adults with hearing loss and families of children with hearing loss will be discussed as they relate to case management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSD 996 Audiology Externship

Prerequisite: CSD 807 or concurrent enrollment.

Professionally supervised practice in auditory assessment and intervention in clinical, hospital, school, and/or other settings. Students enrolled in this class may be required to have a TB test, immunizations, and malpractice insurance. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-9 | | | Fall, Spring, Summer |

CSD 999 Doctoral Thesis

Prerequisite: CSD 807 or concurrent enrollment.


In-depth research in an area of Audiology, culminating in a presentation and defense of the thesis. Must be repeated for a minimum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |





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Graduate College

Graduate Catalog

Communication Sciences and Disorders: Education of the Deaf and Hard of Hearing



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Graduate programs

Master of Science, Communication Sciences and Disorders, Education of the Deaf and Hard of Hearing

Karen Engler, EDHH Graduate Program Director

Kampeter Health Sciences Hall, Room 258

Phone 417-836-6674

KarenEngler@MissouriState.edu (mailto:KarenEngler@MissouriState.edu)

Program description

The Masters program in Communication Sciences and Disorders offers two options; education of the deaf and hard of hearing (EDHH) and speech-language pathology (SLP). The program is designed to prepare students to

make intelligent decisions and take appropriate, thoughtful action. The program is organized to encourage students to use critical thinking and problem-solving to identify and meet the communication needs of individuals and families. The SLP option is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). The EDHH option is approved by the Council on Education of the Deaf (CED).

Master of Science in CSD, Education of the Deaf and Hard of Hearing option

The EDHH option contains two tracks. Students will work with their academic advisor to determine which track is best suited for their needs. Track one is designed to lead to teacher certification in the State of Missouri and national certification issued by the Council on Education of the Deaf. It is the track that most students will select. Within track one there is also an accelerated master's option available which provides an opportunity for undergraduate students to begin graduate course work during the senior year, and complete the program in three graduate semesters following coursework in the junior and senior years.

Admission requirements - EDHH

Students applying to the Master's program in EDHH will not be using the CSDCAS, but will need to apply through the MSU GradCas system. The application deadline is February 15 to be considered for the following fall semester.

The number of students who can enter the program each year is limited. Admission to the program is competitive.

Full admission to the program shall be based on the following components and application requirements/deadlines:

1. To be eligible to apply for admission to this program, a student must have an undergraduate degree in communication sciences and disorders, education, or related area.
2. The student must have a cumulative GPA of 3.00 or better (4.00 scale). Additionally, GPA within the CSD undergraduate major must be a 3.00 or better.
3. Graduate Record Examination. GRE scores are considered along with GPA and other application components.

Education of the Deaf and Hard of Hearing additional admission requirements

The following 3 components should also be submitted.

1. Three letters of recommendation directly from individuals able to speak of the applicant's academic and/or practicum achievements.
2. A Personal Statement. This can be a hard copy of the statement from the application or a letter of intent.

Essential functions

The Essential Functions of Audiologists, Speech-Language Pathologists and Educators of the Deaf and Hard of Hearing establish the expectations and requisite abilities considered necessary for professionals in the field of audiology, speech-language pathology and education of the deaf and hard of hearing. Students in the MSU Department of Communication Sciences and Disorders are to achieve the level of competency required for

graduation and practice. It is recognized that degrees of ability vary widely among individuals. Admission candidates who feel they may not be able to acquire the essential functions set forth are encouraged to contact the Department of Communication Sciences and Disorders. Any admission candidate who may require academic accommodations to fulfill the essential functions due to a disability is encouraged to contact the Disability Resource Center at 417-836-4192 (voice) or 417-836-6792 (TTY). The Department of Communication Sciences and Disorders at Missouri State University seeks to ensure that qualified persons with disabilities are not denied admission or subject to discrimination in admissions. The Department is committed to enabling students by any reasonable means or accommodations to complete their course of study.

The following Essential Functions are consistent with the American Speech-Language and Hearing Association or Council on the Education of the Deaf clinical skill performance guidelines and the Missouri Department of Elementary and Secondary Education guidelines expected of the first year speech-language therapists in public schools. All essential functions are introduced and coached within CSD coursework and practicum.

Physical Abilities:

- Participate in professional responsibilities/activities for up to four-hour blocks of time with one or two breaks.
- Be self-sufficient when moving to, from and within the work setting.
- Complete diagnostic or instructional evaluation/assessment.
- Effectively implement necessary treatment plan/lesson plan. including use of materials/instrumentation and data collection.
- Provide a safe environment for others in responding quickly to emergency situations including fire, medical and environmental (e.g. weather related) emergencies and in applying universal precautions (standardized approach to infection control).
- Provide appropriate model of language and speech according to the needs of individual clients.
- Visually and auditorally monitor patient responses and materials.
- Make accurate judgments about speech and/or acoustic signals.

Behavioral and Social Attributes:

- Maintain composure and emotional objectivity in demanding situations.
- Communicate effectively and appropriately with people in person, by phone, and in written form by considering the communication needs and cultural values of the listener.
- Understand and respect supervisory authority.
- Maintain appropriate professional behavior, including punctuality, regular attendance and prompt completion of responsibilities.
- Comply with administrative, legal and regulatory policies in multiple clinical and educational settings.
- Demonstrate compassion, integrity and motivation in delivering professional services.
- Collaborate with peers and other professionals.

Intellectual Abilities:

- Solve clinical problems through critical analysis.
- Seek relevant case information, synthesize, and apply concepts and information from various sources and disciplines.
- Write discipline-specific papers and clinical reports in standard edited English at an appropriate level.
- Analyze, synthesize, interpret and retain ideas and concepts in academic and diagnostic/treatment/classroom settings.
- Maintain attention and concentration for sufficient time to complete clinical activities for up to eight hour blocks of time.

The Department is committed to enabling students by any reasonable means or accommodations to complete the course of study leading to the Master of Science in Communication Sciences and Disorders or an AuD degree.

Program requirements

Non-Thesis Option: A minimum of 46 semester hours in Education of the Deaf and Hard of Hearing or a minimum of 58 semester hours in Speech-Language Pathology shall be completed, including the following:

1. Graduate course work to meet academic requirements for the Council on Education of the Deaf (CED).
2. Clinical practicum requirements for the Council on Education of the Deaf (CED).
3. Completion of a master's project.
4. Comprehensive Examinations.

Thesis Option: Requirements included in items 1 and 2 above shall pertain. Completion of the Master's Thesis and oral defense shall replace items 3 and 4 listed above.

Additional program requirements

1. Students must pay for and pass both a background/crime records check and drug test prior to their first clinical placement. The CSD Background Check and Drug Testing Policy and Procedure document is available in the CSD Department Office (Professional Building, room 237).
2. EDHH students eligible for student teaching (CSD 796) will be placed in approved sites and in locations to be determined by the CSD faculty.
3. Successfully complete the state approved exit assessments.

Retention requirements

1. To remain in the program, a student must maintain a GPA of 3.00.
2. Per policy of the graduate college, no course with a grade "C-" or below may be applied toward a graduate degree or graduate certificate. A graduate student becomes ineligible for graduate study if more than 9 semester hours of "C+" or lower are earned in graduate courses taken in the degree program.
3. Students must progress satisfactorily through the levels of clinical practicum as defined in the [Clinic Handbook](#).
4. Clinical hours from clinical classes where a grade of "C" or less was earned will not be counted toward required clinical experiences.
5. While grades are important, the student's continuation in the CSD Program is based on the *composite picture* of the ability of the student to perform satisfactorily in the clinical phase of training as well as the academic components.

The CSD Department reserves the right to refuse enrollment or program continuation to any student. This refusal will be determined by the judgment of the CSD Graduate Faculty and CSD Department Head based upon the student's ability to successfully complete clinical practicum assignments or to assume patient care responsibilities and/or function as a clinician/teacher. Additionally, if a student has failed to demonstrate an attitude of professionalism as judged by the CSD Graduate Faculty and CSD Department Head, a student may be dismissed from the program.

According to the Missouri State University [Code of Student Rights and Responsibilities](#) (<https://www.missouristate.edu/StudentConduct/code-of-student-rights-and-responsibilities.htm>), The Codes of Ethics of American Speech, Language, and Hearing Association, Council for Exceptional Children (CEC), and

requirements of the Communication Sciences and Disorders Department, academic integrity and honesty are the foundation of the university community. Students are expected to practice academic and clinical integrity in all assigned work. Students are also expected to be honest in all interactions with other students, faculty, and staff, and be professional in attitude, actions and attire.

The university, and the CSD department, has the inherent right to promulgate appropriate rules and regulations for the orderly conduct of university business and the protection of the health and safety of the university community. Students are expected to comply with all published and stated rules and regulations. If a student is accused of violating any code (theft, academic dishonesty, possession of drugs, etc.) they will be subject to warnings, loss of privileges, probation, suspension and/or dismissal.

EDHH certification requirements

Contact your advisor or the Department Head for the requirements and coursework necessary to meet state and national certification requirements. Students pursuing certification in Education of the Deaf and Hard of Hearing will be required to complete additional education coursework through the College of Education and are required to collect and assemble materials for completion of a professional portfolio.

In order to be recommended for state certification, each student must:

1. Successfully complete all Practicum requirements with a grade of "B" or better
2. Successfully complete the graduate degree in Communication Sciences and Disorders (Education of Deaf and Hard of Hearing option).
3. Successfully complete the state approved exit assessment.
4. Complete all state certification requirements in effect at the time a recommendation is made.

46 total hours required

EDHH Masters Curriculum - Track 1 (Traditional timeline)

Fall 1

| Course Code | Course Title | Credits |
|--------------------------------|--|---------|
| <u>CSD 760</u> | Language Development: Deaf and Hard of Hearing I | 3 hrs |

Spring 1

| Course Code | Course Title | Credits |
|--------------------------------|--|---------|
| <u>CSD 795</u> | Advanced Clinical Practice | 3 hrs |
| <u>CSD 762</u> | Speech Development: Deaf and Hard of Hearing | 3 hrs |

| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| CSD 763 | Auditory Development: Deaf and Hard of Hearing | 3 hrs |
| CSD 795 | Advanced Clinical Practice | 1 hrs |

Summer 1

| Course Code | Course Title | Credits |
|-------------------------|---|---------|
| CSD 758 | Early Intervention Assessment: Deaf & Hard of Hearing | 2 hrs |
| CSD 759 | Early Intervention: Deaf and Hard of Hearing | 2 hrs |
| CSD 761 | Language Development: Deaf and Hard of Hearing II | 3 hrs |
| CSD 795 | Advanced Clinical Practice | 2 hrs |

Fall 2

| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| CSD 764 | Instructional Strategies: Deaf and Hard of Hearing | 3 hrs |
| CSD 765 | Reading: Deaf and Hard of Hearing | 3 hrs |
| CSD 795 | Advanced Clinical Practice Off-Site | 3 hrs |
| CSD 784 | Non-Thesis Project | 3 hrs |
| | OR | |
| CSD 799 | Master's Thesis | 3 hrs |
| CSD 766 | Counseling: Deaf and Hard of Hearing | 3 hrs |

Graduate spring

| Course Code | Course Title | Credits |
|-------------------------|---------------------|---------|
| CSD 796 | Supervised Teaching | 8 hrs |
| CSD 784 | Non-Thesis Project | 1 hrs |

| Course Code | Course Title | Credits |
|-------------------------|-----------------|---------|
| | OR | |
| CSD 799 | Master's Thesis | 3 hrs |

Accelerated Master of Science in Communication Sciences and Disorders, Education of the Deaf and Hard of Hearing additional program entrance requirements

To be eligible to apply for admission to this program, the student must:

1. have junior standing and an overall GPA of 3.25 or better;
2. have completed general education requirements; and
3. have completed the following courses: [SPE 310](#), [CSD 330](#), [CSD 312](#), [CSD 360](#) and [CSD 321](#) prior to applying to graduate school in the spring of their junior year.

After successful completion of the Bachelor of Science in CSD requirements, all students in the accelerated master's program will receive the BS and will be granted full admission to the graduate college.

Please see admission requirements in the Graduate Catalog under Master of Science in Communication Sciences and Disorders for a complete list of application requirements and deadlines.

EDHH Masters curriculum - Track 1 (Accelerated timeline)

Junior fall

| Course Code | Course Title | Credits |
|-------------------------|---|---------|
| CSD 312 | Normal Language Acquisition (also offered in fall & summer) | 3 hrs |
| CSD 321 | Conceptually Accurate Signed English I (also offered in the spring) | 3 hrs |
| CSD 330 | Introduction to American Sign Language (ASL) | 3 hrs |
| CSD 380 | Development, Diversity and Deafness | 3 hrs |
| CSD 360 | Hearing Science | 3 hrs |
| RDG 318 | Foundations of Reading Instruction | 3 hrs |

Junior spring

| Course Code | Course Title | Credits |
|-------------|--------------|---------|
|-------------|--------------|---------|

| Course Code | Course Title | Credits |
|--------------------------------|--|----------------|
| <u>CSD 322</u> | Conceptually Accurate Signed English II | 3 hrs |
| <u>CSD 331</u> | American Sign Language (ASL) II | 3 hrs |
| <u>CSD 370</u> | Audiology | 3 hrs |
| <u>CSD 562</u> | Psycho-Social Implications of Being Deaf and Hard of Hearing | 3 hrs |
| <u>CSD 572</u> | Aural Rehabilitation | 3 hrs |

Senior fall

| Course Code | Course Title | Credits |
|--------------------------------|---|------------------------------|
| <u>CSD 497</u> | Observation Clinical Practicum (MSU Preschool Program for D/HH) | <u>3 hrs</u> |
| <u>CSD 760</u> | Language Development: Deaf and Hard of Hearing | 3 hrs |
| <u>EDC 345</u> | Introduction to Multicultural Education and Diversity | 3 hrs |
| <u>MTH 320</u> | Foundations of Mathematics for Teachers | 3 hrs |

Senior spring

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 795</u> | Advanced Clinical Practice | 3 hrs |
| <u>CSD 762</u> | Speech Development: Deaf and Hard of Hearing I | 3 hrs |
| <u>CSD 763</u> | Speech Development: Deaf and Hard of Hearing II | 3 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice | 1 hrs |
| <u>RDG 474</u> | Reading and Creative Writing in the Content Field | 3 hrs |

Graduate summer

| Course Code | Course Title | Credits |
|--------------------|---------------------|----------------|
|--------------------|---------------------|----------------|

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 761</u> | Language Development: Deaf and Hard of Hearing II | 3 hrs |
| <u>CSD 758</u> | Early Intervention Assessment: Deaf & Hard of Hearing I | 2 hrs |
| <u>CSD 759</u> | Early Intervention: Deaf and Hard of Hearing II | 2 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice | 2 hrs |

Graduate fall

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 764</u> | Instructional Strategies and Assessment: Deaf and Hard of Hearing | 3 hrs |
| <u>CSD 765</u> | Reading: Deaf and Hard of Hearing | 3 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice Off-Site | 3 hrs |
| <u>CSD 784</u> | Non-Thesis Project | 3 hrs |
| | OR | |
| <u>CSD 799</u> | Master's Thesis | 3 hrs |
| <u>CSD 766</u> | Counseling: Deaf and Hard of Hearing | 3 hrs |

Graduate spring

| Course Code | Course Title | Credits |
|--------------------------------|---------------------|----------------|
| <u>CSD 796</u> | Supervised Teaching | 8 hrs |
| <u>CSD 784</u> | Non-Thesis Project | 1 hrs |
| | OR | |
| <u>CSD 799</u> | Master's Thesis | 3 hrs |

Mixed credit course options

If accepted to the accelerated program, the following 12 hours of courses may apply to both the undergraduate and graduate degrees: CSD 760, 762, 763 and 795.

Before enrolling in a course to be counted toward both undergraduate and graduate credit and to count the course toward the masters degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate advisor, Department Head of CSD, and the Dean of the Graduate College using a Mixed Credit Form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the semester.

EDHH Masters curriculum - Track 2

Track two of the EDHH option is an alternative designed for students who wish to receive a masters degree, but **do NOT wish to pursue teacher certification** (primarily for international students). Track two will not lead to teacher certification in EDHH. Students who are interested in pursuing teaching certification in the area of Education of the Deaf or Hard of Hearing should choose track one of the EDHH option. **Five of the graduate courses (14 of the 48-50 hours) are online classes. There is not a seated option for these classes.**

EDHH masters degree only without teaching certification curriculum

Fall 1

| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| CSD 636 | American Sign Language I | 3 hrs |
| CSD 780 | Development, Diversity and Deafness | 3 hrs |
| CSD 497 | Observation Clinical Practicum (MSU Preschool Program of D/HH) | 3 hrs |
| CSD 760 | Language Development: Deaf and Hard of Hearing I | 3 hrs |

Spring 1

| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| CSD 637 | American Sign Language II | 3 hrs |
| CSD 669 | Psycho-Social Implications of Being Deaf and Hard of Hearing | 3 hrs |
| CSD 762 | Speech Development: Deaf and Hard of Hearing I | 3 hrs |

Summer 1

| Course Code | Course Title | Credits |
|-------------------------|---|---------|
| CSD 761 | Language Development: Deaf and Hard of Hearing II | 3 hrs |

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 758</u> | Early Intervention Assessment: Deaf and Hard of Hearing I | 2 hrs |
| <u>CSD 759</u> | Early Intervention: Deaf and Hard of Hearing II | 2 hrs |

Fall 2

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 764</u> | Instructional Strategies and Assessment: Deaf and Hard of Hearing | 3 hrs |
| <u>CSD 765</u> | Reading: Deaf and Hard of Hearing | 3 hrs |
| <u>CSD 784</u> | Non-Thesis Project | 1 hrs |
| | OR | |
| <u>CSD 799</u> | Master's Thesis | 3 hrs |
| <u>CSD 766</u> | Counseling: Deaf and Hard of Hearing | 3 hrs |

Spring 2


| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 795</u> | Advanced Clinical Practice (MSU Preschool Program for D/HH) | 3 hrs |
| <u>CSD 763</u> | Speech Development: Deaf and Hard of Hearing II | 3 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice (MSU Preschool Program for D/HH) | 1 hr |
| <u>CSD 784</u> | Non-Thesis Project | 3 hrs |
| | OR | |
| <u>CSD 799</u> | Master's Thesis | 3 hrs |




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Communication Sciences and Disorders: Speech-Language Pathology



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Master of Science, Communication Sciences and Disorders, Speech-Language Pathology

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Program description

The Masters program in Communication Sciences and Disorders offers two options; education of the deaf and hard of hearing (EDHH) and speech-language pathology (SLP). The program is designed to prepare students to make intelligent decisions and take appropriate, thoughtful action. The program is organized to encourage students to use critical thinking and problem-solving to identify and meet the communication needs of individuals and families. The SLP option is accredited by the Council on Academic Accreditation (CAA) of the

American Speech-Language-Hearing Association (ASHA). The EDHH option is approved by the Council on Education of the Deaf (CED).

Master of Science in CSD, Speech-Language Pathology option

Completion of course work for speech-language pathology requires two academic years (fall, spring) and one summer; enrollment in two summer sessions is encouraged. This option prepares students for a career in an educational setting (i.e., public school, special school, special school district); a clinical setting (i.e., hospital, guidance center, rehabilitation center or nursing home); an industrial setting; a private setting; or others. Entry into a PhD program is also possible after completion of this program.

Admission requirements

Completed application must be received by CSDCAS and noted as complete by January 15 to be considered for the fall semester. The number of students who can enter the program each year is limited. Admission to the program is competitive.

Full admission to the program shall be based on the following components and application requirements/deadlines:

1. A Bachelor's degree in CSD. (For those with a non-CSD undergraduate degree, please contact the department at 417-836-5368).
2. The student must have a cumulative GPA of 3.00 or better (4.00 scale). Additionally, GPA within the CSD undergraduate major must be a 3.00 or better.
3. Graduate Record Examination. GRE scores are considered along with GPA and other application components. GRE scores must be submitted through CSDCAS by choosing the MSU designation (code 0741).

CSDCAS application service. Students will submit applications through a site called CSDCAS. Instructions for the application process are available on the [CSDCAS site](https://csdcas.liaisoncas.com/applicant-ux/#/login) (<https://csdcas.liaisoncas.com/applicant-ux/#/login>).

Essential functions

The Essential Functions of Audiologists, Speech-Language Pathologists and Educators of the Deaf and Hard of Hearing establish the expectations and requisite abilities considered necessary for professionals in the field of audiology, speech-language pathology and education of the deaf and hard of hearing. Students in the MSU Department of Communication Sciences and Disorders are to achieve the level of competency required for graduation and practice. It is recognized that degrees of ability vary widely among individuals. Admission candidates who feel they may not be able to acquire the essential functions set forth are encouraged to contact the Department of Communication Sciences and Disorders. Any admission candidate who may require academic accommodations to fulfill the essential functions due to a disability is encouraged to contact the Disability Resource Center at 417-836-4192 (voice) or 417-836-6792 (TTY). The Department of Communication Sciences and Disorders at Missouri State University seeks to ensure that qualified persons with disabilities are not denied admission or subject to discrimination in admissions. The Department is committed to enabling students by any reasonable means or accommodations to complete their course of study.

The following Essential Functions are consistent with the American Speech-Language and Hearing Association or Council on the Education of the Deaf clinical skill performance guidelines and the Missouri Department of

Elementary and Secondary Education guidelines expected of the first year speech-language therapists in public schools. All essential functions are introduced and coached within CSD coursework and practicum.

Physical Abilities:

- Participate in professional responsibilities/activities for up to four-hour blocks of time with one or two breaks.
- Be self-sufficient when moving to, from and within the work setting.
- Complete diagnostic or instructional evaluation/assessment.
- Effectively implement necessary treatment plan/lesson plan. including use of materials/instrumentation and data collection.
- Provide a safe environment for others in responding quickly to emergency situations including fire, medical and environmental (e.g. weather related) emergencies and in applying universal precautions (standardized approach to infection control).
- Provide appropriate model of language and speech according to the needs of individual clients.
- Visually and auditorally monitor patient responses and materials.
- Make accurate judgments about speech and/or acoustic signals.

Behavioral and Social Attributes:

- Maintain composure and emotional objectivity in demanding situations.
- Communicate effectively and appropriately with people in person, by phone, and in written form by considering the communication needs and cultural values of the listener.
- Understand and respect supervisory authority.
- Maintain appropriate professional behavior, including punctuality, regular attendance and prompt completion of responsibilities.
- Comply with administrative, legal and regulatory policies in multiple clinical and educational settings.
- Demonstrate compassion, integrity and motivation in delivering professional services.
- Collaborate with peers and other professionals.

Intellectual Abilities:

- Solve clinical problems through critical analysis.
- Seek relevant case information, synthesize, and apply concepts and information from various sources and disciplines.
- Write discipline-specific papers and clinical reports in standard edited English at an appropriate level.
- Analyze, synthesize, interpret and retain ideas and concepts in academic and diagnostic/treatment/classroom settings.
- Maintain attention and concentration for sufficient time to complete clinical activities for up to eight hour blocks of time.

The Department is committed to enabling students by any reasonable means or accommodations to complete the course of study leading to the Master of Science in Communication Sciences and Disorders or an AuD degree.

Program requirements

Non-Thesis Option: A minimum of 58 semester hours in Speech-Language Pathology shall be completed, including the following:

1. Graduate course work to meet academic requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association (CCC).
2. Clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association (CCC).
3. Completion of a master's project.
4. Comprehensive Examinations.

Thesis Option: Requirements included in items 1 and 2 above shall pertain. Completion of the Master's Thesis and oral defense shall replace items 3 and 4 listed above.

Additional program requirements

1. Students must pay for and pass both a background/crime records check and drug test prior to their first clinical placement. The CSD Background Check and Drug Testing Policy and Procedure document is available in the CSD Department Office (Professional Building, room 237).
2. Students will also be required to provide their Praxis examination scores to the department prior to graduation.
3. EDHH students eligible for student teaching (CSD 796) will be placed in approved sites and in locations to be determined by the CSD faculty.

Accumulation of "C" grades

The accumulation of more than 9 hours of "C" or below in academic and/or practicum courses will result in dismissal from the program.

Retention requirements

1. To remain in the program, a student must maintain a GPA of 3.00.
2. No course with a grade below a "C" may be applied to a graduate degree.
3. Any grade below a "C" in any given course, didactic or clinical, is not acceptable and may be grounds for dismissal from the CSD program.
4. The accumulation of more than 9 hours of "C" or below in academic and/or practicum courses will result in dismissal from the program.
5. Students must progress satisfactorily through the levels of clinical practicum as defined in the Clinic Handbook.
6. Clinical hours from clinical classes where a grade of "C" or less was earned will not be counted toward required clinical experiences.
7. While grades are important, the student's continuation in the CSD Program is based on the *composite picture* of the ability of the student to perform satisfactorily in the clinical phase of training as well as the academic components.

The CSD Department reserves the right to refuse enrollment or program continuation to any student. This refusal will be determined by the judgment of the CSD Graduate Faculty and CSD Department Head based upon the student's ability to successfully complete clinical practicum assignments or to assume patient care responsibilities and/or function as a clinician/teacher. Additionally, if a student has failed to demonstrate an attitude of professionalism as judged by the CSD Graduate Faculty and CSD Department Head, a student may be dismissed from the program.

According to the [Missouri State University Code of Student Rights and Responsibilities](https://www.missouristate.edu/StudentConduct/code-of-student-rights-and-responsibilities.htm) (<https://www.missouristate.edu/StudentConduct/code-of-student-rights-and-responsibilities.htm>), the Codes of Ethics of

American Speech, Language, and Hearing Association, Council for Exceptional Children (CEC), and requirements of the Communication Sciences and Disorders Department, academic integrity and honesty are the foundation of the University community. Students are expected to practice academic and clinical integrity in all assigned work. Students are also expected to be honest in all interactions with other students, faculty, and staff, and be professional in attitude, actions and attire.

The University, and the CSD department, has the inherent right to promulgate appropriate rules and regulations for the orderly conduct of University business and the protection of the health and safety of the University community. Students are expected to comply with all published and stated rules and regulations. If a student is accused of violating any code (theft, academic dishonesty, possession of drugs, etc.) they will be subject to warnings, loss of privileges, probation, suspension, and/or dismissal.

Speech-Language Pathology Masters Curriculum

58 total hours required

Summer 1

| Course Code | Course Title | Credits |
|--------------------------------|---|---------|
| <u>CSD 718</u> | Fluency Disorders | 2 hrs |
| <u>CSD 729</u> | Cognitively-Based Communication Disorders | 2 hrs |
| <u>CSD 720</u> | Voice Disorders | 2 hrs |

Fall 1

| Course Code | Course Title | Credits |
|--------------------------------|---|---------|
| <u>CSD 728</u> | Advanced Study of Phonological (Speech Sound) Disorders in Children | 3 hrs |
| <u>CSD 712</u> | Child Language I | 3 hrs |
| <u>CSD 713</u> | Child Language II | 3 hrs |
| <u>CSD 724</u> | Aphasia | 3 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice (Clinical Practicum) | 2 hrs |

Spring 1

| Course Code | Course Title | Credits |
|-------------|--------------|---------|
|-------------|--------------|---------|

| Course Code | Course Title | Credits |
|--------------------------------|--|----------------|
| <u>CSD 702</u> | Research Methods in Communication Disorders | 3 hrs |
| <u>CSD 725</u> | Motor Speech Disorders | 3 hrs |
| <u>CSD 732</u> | Speech and Language Assessment and Treatment for Special Populations | 3 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice (Clinical Practicum) | 4 hrs |

Summer 2

| Course Code | Course Title | Credits |
|--------------------------------|---|----------------|
| <u>CSD 718</u> | Fluency Disorders (if not taken Summer 1) | 2 hrs |
| <u>CSD 720</u> | Voice Disorders (if not taken in Summer 1) | 2 hrs |
| <u>CSD 784</u> | Non-Thesis Project OR | 1 hr |
| <u>CSD 799</u> | Masters Thesis | 2 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice (Clinical Practicum) | 3 hrs |

Fall 2

| Course Code | Course Title | Credits |
|--------------------------------|--|----------------|
| <u>CSD 741</u> | Dysphagia | 3 hrs |
| <u>CSD 733</u> | Introduction to Augmentative & Alternative Communication | 3 hrs |
| <u>CSD 784</u> | Non-Thesis Project OR | 1 hr |
| <u>CSD 799</u> | Masters Thesis | 2 hrs |
| <u>CSD 795</u> | Advanced Clinical Practice (Clinical Practicum) | 4 hrs |

Spring 2

| Course Code | Course Title | Credits |
|--------------------|---------------------|----------------|
|--------------------|---------------------|----------------|





| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| CSD 791 | Professional Issues in Speech-Language Pathology | 3 hrs |
| CSD 784 | Non-Thesis Project OR | 1 hr |
| CSD 799 | Masters Thesis | 2 hrs |
| CSD 797 | Speech-Language Pathology Externship | 6 hrs |



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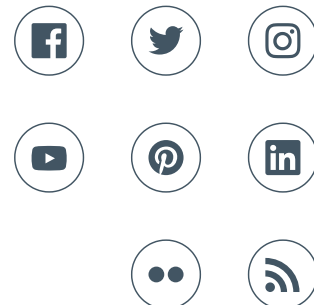
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Doctor of Audiology

Alana Mantie-Kozlowski, SLP Graduate Program Director

Kampeter Health Sciences Hall, Room 237

Phone 417-836-5368

AlanaMantieKozlowski@MissouriState.edu (mailto:AlanaMantieKozlowski@MissouriState.edu)

Program description

The AuD program in the Department of Communication Sciences and Disorders is a full-time doctoral program requiring a minimum of 107 credit hours based on transcript evaluation, over approximately four (4) years consisting of both academic course work and clinical practicum.

The AuD program is designed to prepare professionals to enter the workplace with a high level of skills and knowledge through intensive academic and clinical experiences. The program is designed to prepare a person for a career in the hospitals, private practice settings, industrial settings, medical offices, clinical settings and rehabilitation centers.

Admission requirements

Completed application must be received by CSDCAS and noted as complete by January 15 to be considered for the fall semester. The number of students who can enter the program each year is limited. Admission to the program is competitive.

There are two admission processes for the Doctor of Audiology program, depending upon whether a student is admitted through the accelerated track, which begins in the senior year of the UG program or the traditional track, which begins after the UG degree has been awarded. Please be sure to follow the appropriate application process. If you are unsure which of the following two options to follow, please contact the CSD Department Head.

- Applicants applying to the Doctor of Audiology program via the traditional track will start their graduate course work after obtaining a Bachelor's degree. Applications must be submitted via the CSDCAS application service, and be marked "complete" in CSDCAS by January 15 to be considered for admission for the following fall semester. For instructions on the application process, please visit the CSDCAS website at <https://csdcas.liaisoncas.com/applicant-ux/#/login>. For those applicants that are selected and accept admission to the Doctor of Audiology program, data from the CSDCAS application can be sent to the Graduate College. Thus, it is not necessary to complete an application to the Graduate College.
- Applicants applying to the Doctor of Audiology program via the accelerated track will start their graduate course work during the senior year of their undergraduate program. Applications must be submitted via the CSDCAS application service by January 15th in the spring **prior to** the senior year to be considered for the following fall semester. For instructions on the application process, please visit the CSDCAS website at <https://csdcas.liaisoncas.com/applicant-ux/#/login>.
 - If accepted to the accelerated program, up to 12 hours of coursework may be counted toward both the undergraduate and graduate degrees. Before enrolling in a course to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the Department Head of CSD, and the Dean of the Graduate College using a Mixed Credit Form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the semester.

Admission to the program is competitive. Because the accelerated track is more rigorous than the traditional track, accelerated students must meet more stringent admission prerequisites, which include additional course work in the sciences. Students should contact the CSD Department Head for details regarding prerequisites.

Full admission to the accelerated program shall be based on the following components and application requirements/deadlines:

1. Students must complete at least 75 hours of coursework at the undergraduate level, including college algebra, chemistry, biology, and physics. Please contact the CSD Department Head to determine which science classes are acceptable.
2. Students must have a cumulative GPA of at least 3.50 (4.00 scale) on all coursework attempted, including transferred work.
3. Students must submit Graduate Record Examination (GRE) scores. GRE scores must be submitted through the CSDCAS by choosing MSU designation (code 0741).
4. Students must submit three letters of recommendation. At least two of the three must speak to the student's academic potential for graduate school (i.e., current/former instructors/professors).
5. Students must submit evidence of job shadowing experience. At least 25 hours of shadowing experience is required **prior** to application to the accelerated program. An additional 15 hours of shadowing will be required prior to initiation of graduate coursework in the senior year.

Full admission to the program via the traditional track shall be based on the following components and application requirements/deadlines:

1. A Bachelor's degree from a regionally accredited university. While a degree in CSD is not necessary, undergraduate course work must include a biology course (or closely related, as determined by the department head), a physics or chemistry course, as well as a mathematics (or a statistics) course.
2. Students must have a cumulative GPA of at least 3.00 (4.00 scale) on all coursework attempted, including transfer work.
3. Students must submit Graduate Record Examination (GRE scores). GRE scores must be submitted through CSDCAS by choosing the MSU designation (code 0741).
4. Students must submit three letters of recommendation. At least two of the three must speak to the student's academic potential for graduate school (i.e., current/former instructors/professors).
5. Students are encouraged to job shadow. Ideally, a student with a CSD background would obtain about 25 hours of shadowing and students from non-CSD background are encouraged to earn about 40 hours. Hours can be documented by a letter from an audiologist that was shadowed.

CSDCAS application service. Students will submit applications through a site called CSDCAS. For instructions on the CSDCAS application process, please visit the CSDCAS website at <https://csdcas.liaisoncas.com/applicant-ux/#/login> (<https://csdcas.liaisoncas.com/applicant-ux/#/login>).

The department may contact a student at various times during the application process about his/her status. If students would like to schedule a visit to the department, please contact the CSD department office at 417-836-5368 or email csd@missouristate.edu (<mailto:csd@missouristate.edu>).

Essential functions

The Essential Functions of Audiologists, Speech-Language Pathologists and Educators of the Deaf and Hard of Hearing establish the expectations and requisite abilities considered necessary for professionals in the field of audiology, speech-language pathology and education of the deaf and hard of hearing. Students in the MSU Department of Communication Sciences and Disorders are to achieve the level of competency required for graduation and practice. It is recognized that degrees of ability vary widely among individuals. Admission candidates who feel they may not be able to acquire the essential functions set forth are encouraged to contact the Department of Communication Sciences and Disorders. Any admission candidate who may require academic accommodations to fulfill the essential functions due to a disability is encouraged to contact the Disability Resource Center at 417-836-4192 (voice) or 417-836-6792 (TTY). The Department of Communication Sciences and Disorders at Missouri State University seeks to ensure that qualified persons with disabilities are not denied admission or subject to discrimination in admissions. The Department is committed to enabling students by any reasonable means or accommodations to complete their course of study.

The following Essential Functions are consistent with the American Speech-Language and Hearing Association or Council on the Education of the Deaf clinical skill performance guidelines and the Missouri Department of Elementary and Secondary Education guidelines expected of the first year speech-language therapists in public schools. All essential functions are introduced and coached within CSD coursework and practicum.

Physical Abilities:

- Participate in professional responsibilities/activities for up to four-hour blocks of time with one or two breaks.
- Be self-sufficient when moving to, from and within the work setting.
- Complete diagnostic or instructional evaluation/assessment.

- Effectively implement necessary treatment plan/lesson plan. including use of materials/instrumentation and data collection.
- Provide a safe environment for others in responding quickly to emergency situations including fire, medical and environmental (e.g. weather related) emergencies and in applying universal precautions (standardized approach to infection control).
- Provide appropriate model of language and speech according to the needs of individual clients.
- Visually and auditorally monitor patient responses and materials.
- Make accurate judgments about speech and/or acoustic signals.

Behavioral and Social Attributes:

- Maintain composure and emotional objectivity in demanding situations.
- Communicate effectively and appropriately with people in person, by phone, and in written form by considering the communication needs and cultural values of the listener.
- Understand and respect supervisory authority.
- Maintain appropriate professional behavior, including punctuality, regular attendance and prompt completion of responsibilities.
- Comply with administrative, legal and regulatory policies in multiple clinical and educational settings.
- Demonstrate compassion, integrity and motivation in delivering professional services.
- Collaborate with peers and other professionals.

Intellectual Abilities:

- Solve clinical problems through critical analysis.
- Seek relevant case information, synthesize, and apply concepts and information from various sources and disciplines.
- Write discipline-specific papers and clinical reports in standard edited English at an appropriate level.
- Analyze, synthesize, interpret and retain ideas and concepts in academic and diagnostic/treatment/classroom settings.
- Maintain attention and concentration for sufficient time to complete clinical activities for up to eight hour blocks of time.

The Department is committed to enabling students by any reasonable means or accommodations to complete the course of study leading to the Master of Science in Communication Sciences and Disorders or an AuD degree.

Program requirements

A minimum of 107 semester hours shall be completed, including the following:

1. Academic course work requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association (CCC-A).
2. Clinical practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association (CCC-A).
3. Completion of a Doctoral Project or Thesis.
4. Comprehensive Examinations.
5. Praxis examination scores must be submitted prior to graduation.
6. Clinical Externship

Additional program requirements

Students must pay for and pass both a background/crime records check and drug test prior to their first clinical placement. The CSD Background Check and Drug Testing Policy and Procedure document is available in the CSD Department Office (Professional Building, room 237).

Retention requirements

1. To remain in the program, a student must maintain a cumulative GPA of 3.00 in their graduate coursework.
2. To remain in the program, student must earn a "C" or better in all courses. Any grade below a "C" will not count toward the graduate degree and may be grounds for dismissal from the CSD program. Additionally, accumulation of more than 9 hours of grade "C+" or below will result in program dismissal. Clinical hours from a class where a grade of "C+" or below was earned will not be counted toward required clinical experiences.
3. Students must progress satisfactorily through the levels of clinical practicum as defined in the Clinic Handbook. Dismissal from a clinical offsite or externship experience will automatically result in a grade of "F" and program dismissal unless it can be proven that extenuating circumstances were present.
4. Professionalism is expected and HIPAA policies are enforced. Student who violate HIPAA policies and/or display a lack of professionalism (in on-campus classes and clinical experiences as well as off-campus clinical placements) will be subject to program dismissal.
5. While grades are important, the student's continuation in the CSD Program is based on the *composite picture* of the ability of the student to perform satisfactorily in the clinical phase of training as well as the academic components.

The CSD Department reserves the right to refuse enrollment or program continuation to any student. This refusal will be determined by the judgment of the CSD Graduate Faculty and CSD Department Head based upon the student's ability to successfully complete clinical practicum assignments or to assume patient care responsibilities and/or function as a clinician/teacher.

According to the Missouri State University [Code of Student Rights and Responsibilities](https://www.missouristate.edu/StudentConduct/code-of-student-rights-and-responsibilities.htm) (<https://www.missouristate.edu/StudentConduct/code-of-student-rights-and-responsibilities.htm>), The Codes of Ethics of American Speech, Language, and Hearing Association, Council for Exceptional Children (CEC), and requirements of the Communication Sciences and Disorders Department, academic integrity and honesty are the foundation of the University community. Students are expected to practice academic and clinical integrity in all assigned work. Students are also expected to be honest in all interactions with other students, faculty, and staff, and be professional in attitude, actions and attire.

The University, and the CSD department, has the inherent right to promulgate appropriate rules and regulations for the orderly conduct of University business and the protection of the health and safety of the University community. Students are expected to comply with all published and stated rules and regulations. If a student is accused of violating any code (theft, academic dishonestly, possession of drugs, etc.) they will be subject to warnings, loss of privileges, probation, suspension, and/or dismissal.

Doctor of Audiology (AuD) curriculum - Total hours 107

First semester (fall intersession)

| Course Code | Course Title | Hours |
|-------------|--------------|-------|
| | Total hours | 3 hrs |

| Course Code | Course Title | Hours |
|-------------------------|------------------|-------|
| CSD 849 | Basic Audiometry | 3 hrs |

First semester (fall regular session)

| Course Code | Course Title | Hours |
|-------------------------|---|--------|
| | Total hours | 10 hrs |
| CSD 807 | Auditory System Physiology/Neurophysiology | 3 hrs |
| CSD 834 | Diagnostic Audiology I | 3 hrs |
| CSD 852 | Advanced Hearing Science | 3 hrs |
| CSD 895 | Advanced Clinical Practice | 1 hr |

Second semester (spring)

| Course Code | Course Title | Hours |
|-------------------------|----------------------------------|--------|
| | Total hours | 11 hrs |
| CSD 868 | Amplification Systems I | 3 hrs |
| CSD 873 | Educational Audiology | 3 hrs |
| CSD 875 | Medical Audiology | 3 hrs |
| CSD 878 | Professional Issues in Audiology | 1 hr |
| CSD 895 | Advanced Clinical Practice | 1 hr |

Third semester (summer)

| Course Code | Course Title | Hours |
|-------------------------|--------------------------------------|-------|
| | Total hours | 8 hrs |
| CSD 850 | Pediatric Audiology | 3 hrs |
| CSD 876 | Hearing Conservation and Calibration | 3 hrs |
| CSD 880 | Grand Rounds in Audiology | 1 hr |
| CSD 895 | Advanced Clinical Practice | 1 hr |

Fourth semester (fall)

| Course Code | Course Title | Hours |
|--------------------------------|--|--------|
| | Total hours | 12 hrs |
| <u>CSD 835</u> | Auditory Electrophysiology I | 3 hrs |
| <u>CSD 842</u> | Vestibular Assessment and Rehabilitation | 4 hrs |
| <u>CSD 871</u> | Amplification Systems II | 3 hrs |
| <u>CSD 895</u> | Advanced Clinical Practice | 2 hr |

Fifth semester (spring)

| Course Code | Course Title | Hours |
|--------------------------------|---|--------|
| | Total hours | 12 hrs |
| <u>CSD 800</u> | Research Methods in Audiology | 3 hrs |
| <u>CSD 844</u> | Auditory Electrophysiology II | 3 hrs |
| <u>CSD 848</u> | Cochlear Implants and Other Assistive Listening Devices | 3 hrs |
| <u>CSD 900</u> | Externship Preparation | 1 hrs |
| <u>CSD 895</u> | Advanced Clinical Practice | 2 hr |

Sixth semester (summer)

| Course Code | Course Title | Hours |
|---|--|-------|
| | Total hours | 9 hrs |
| <u>CSD 880</u> | Ground Rounds | 2 hrs |
| <u>CSD 972</u> | Advanced Auditory Re/Habilitation | 3 hrs |
| <u>CSD 884</u> OR <u>CSD 999</u> | Doctoral Project OR Doctoral Thesis | 2 hrs |
| <u>CSD 895</u> | Advanced Clinical Practice | 2 hrs |

Seventh semester (fall)

| Course Code | Course Title | Hours |
|-------------|--------------|-------|
| | Total hours | 9 hrs |

| Course Code | Course Title | Hours |
|---|--|-------|
| CSD 945 | Central Auditory Processing Disorders | 3 hrs |
| CSD 884 OR CSD 999 | Doctoral Project OR Doctoral Thesis | 3 hrs |
| CSD 895 | Advanced Clinical Practice | 3 hrs |

Eighth semester (spring)

| Course Code | Course Title | Hours |
|---|--|-------|
| | Total hours | 9 hrs |
| CSD 879 | Practice Management | 3 hrs |
| CSD 866 | Counseling in Audiology | 2 hrs |
| CSD 884 OR CSD 999 | Doctoral Project OR Doctoral Thesis | 1 hr |
| CSD 895 | Advanced Clinical Practice | 3 hrs |

Ninth semester (summer)

| Course Code | Course Title | Hours |
|-------------------------|----------------------|-------|
| | Total hours | 6 hrs |
| CSD 996 | Audiology Externship | 6 hrs |

Tenth semester (fall)

| Course Code | Course Title | Hours |
|-------------------------|----------------------|-------|
| | Total hours | 9 hrs |
| CSD 996 | Audiology Externship | 9 hrs |

Eleventh semester (spring)

| Course Code | Course Title | Hours |
|-------------------------|----------------------|-------|
| | Total hours | 9 hrs |
| CSD 996 | Audiology Externship | 9 hrs |

Program accreditation

The AuD program is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association.



Missouri State

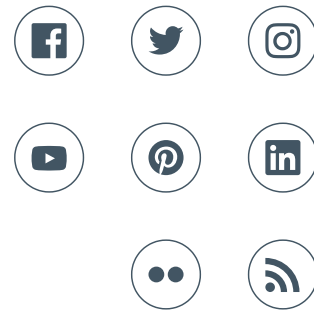
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Karen Engler, Certificate Advisor

Kampeter Health Sciences Hall, Room 258; Phone: 417-836-6674

KarenEngler@MissouriState.edu (mailto:KarenEngler@MissouriState.edu)

Program description

A 14-credit hour Missouri State University Online Graduate Certificate in Education for the Deaf and Hard of Hearing (EDHH) is available to nondegree-seeking students or students pursuing a program of study in other areas who are interested in completing these courses as electives or in addition to requirements on the respective program of study. The certificate is also offered to support professionals in the fields of communication sciences and disorders, education, psychology, social work, medicine and other related specialties. **The certificate will not lead to teacher certification in EDHH;** however, it is offered to support educators and other professionals who desire basic skills in the area of EDHH. Required course work for the EDHH Online Graduate Certificate follows:

Program admission requirements

To be eligible to apply for admission to this program, the student must:


1. Have an undergraduate degree in communication sciences or disorders, education or a related area.
2. Have a cumulative grade point average (GPA) of at least 3.00.
3. Submit the Graduate Application.

EDHH online graduate certificate curriculum


| Course Code | Course Title | Credits |
|-------------------------|--|---------------|
| CSD 762 | Speech Development: Deaf and Hard of Hearing | 3 hrs |
| CSD 766 | Counseling: Deaf and Hard of Hearing | 3 hrs |
| CSD 765 | Reading: Deaf and Hard of Hearing | 3 hrs |
| CSD 760 | Language Development: Deaf and Hard of Hearing | 3 hrs |
| CSD 759 | Early Intervention: Deaf and Hard of Hearing | 2 hrs |
| | TOTAL | 14 hrs |




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Missouri State


Graduate College

Graduate Catalog

Department of Kinesiology

Programs

 Includes accelerated master's option


 Program can be completed online

Master's programs

[Kinesiology \(MS\)](#)

[Secondary Education with an option in Physical Education \(MSEd\)](#)

[Professional Studies: Sports Management Option](#)

(MPS) 

Certificates

[Recreation and Parks Administration](#) (Certificate)

[Sport Pedagogy](#) (Certificate)

[Sport and Human Performance](#) (Certificate)

[Sports Management](#) (Certificate) 

Accreditation

- Missouri Department of Elementary and Secondary Education – Physical Education (BSEd), and Secondary Education/Physical

Contact

Department head

Education (MSEd)

- National Association for Sport and Physical Education – Physical Education (BSEd), and Secondary Education/Physical Education (MSEd)
- Council for the Accreditation of Educator Preparation – Physical Education (BSEd), and Secondary Education/Physical Education (MSEd)

Sarah McCallister

Office

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Website

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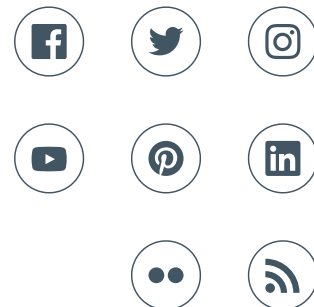
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Kinesiology Graduate Faculty

Professors

Barbara A. Bushman

Gerald Masterson

Sarah G. McCallister

Daniel J. Wilson

Rebecca Woodard

Associate professors

John H. Downing

Hugh Gibson

Yating Liang

Assistant professors

Bernard Kitheka

Sara Powell

Emeritus professors

Thomas H. Burnett

Nancy L. Curry

Steve Illum

Perry F. Miller

David T. Oatman

Rhonda R. Ridinger

George E. Simpson

Peggy J. Thomas

Alex D. Trombetta

Tillman D. Williams



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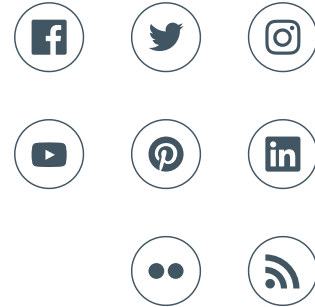
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Missouri State

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Graduate Catalog

Kinesiology Courses

Physical Education (KIN) courses

KIN 600 Seminar in Physical Education

Directed reading and special investigation of selected subjects in physical education, health, and safety; research projects under faculty supervision. May be repeated for a maximum of 9 hours of credit. Variable content course. May be taught concurrently with KIN 500. Cannot receive credit for both KIN 600 and KIN 500.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

KIN 645 Perceptual and Motor Development

Recommended Prerequisite: PSY 360. Perceptual and motor development from prenatal life to adolescence; relationships of growth factors that influence motor abilities; difficulties that may arise when the normal course of development is interrupted. Includes a laboratory and a practicum experience. May be taught concurrently with KIN 545. Cannot receive credit for both KIN 645 and KIN 545.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

KIN 650 Organization and Administration for Kinesiology Professionals

This course will cover the fundamentals of program administration, legal considerations of health and exercise business management, and basic leadership responsibilities. This course will provide students the knowledge and skills associated with the resources required to implement health and physical activity programs and run exercise-related businesses. May be taught concurrently with KIN 550. Cannot receive credit for both KIN 550 and KIN 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

KIN 667 Physical and Leisure Activities for the Aging Adult

The effects of aging and common degenerative diseases of the aged on physical performance and leisure. Included are units on assessment of physical working capacity, flexibility, body composition, strength maintenance. Also, units on selection of recreational and performance activities commensurate with functioning capacity. May be taught concurrently with KIN 567. Cannot receive credit for both KIN 667 and KIN 567.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

KIN 668 Adapted Physical Education

Prerequisite: Acceptance into the MS in Health Promotion and Wellness Management program, including accelerated option.

This course includes symptomology, sources of referral, typical behavior aberrations, and principles and problems related to the physical education of the exceptional child. Additional focus is placed on the modification of motor activities, general fitness activities, and therapeutic exercises for exceptional students. Three hours of directed practicum per week, totaling 30 hours, is required. May be taught concurrently with KIN 468. Cannot receive credit for both KIN 668 and KIN 468.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 4 | 2 | 4 | Fall, Spring, Summer |

KIN 669 Health Appraisal and Exercise Testing Techniques

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. May be taught concurrently with KIN 569. Cannot receive credit for both KIN 669 and KIN 569.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall, Spring |

KIN 675 Measurement and Evaluation Applied to Physical Education

Use of authentic and traditional assessment techniques in assessing student performance and informing curricular change. Includes basic statistics, use of statistical software packages, evaluation of test validity and bias, and written test construction. May be taught concurrently with KIN 575. Cannot receive credit for both KIN 675 and KIN 575.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

KIN 682 Motivational Interviewing for Health Professionals

Prerequisite: permission of instructor.

This is an advanced level course for students who have had an introduction into health behavior theories and are interested in working in the health field. Course content will include an exploration into the attitudes and motivations of personal health behavior and an in-depth exploration of motivational interviewing principles and applications. May be taught concurrently with KIN 582. Cannot receive credit for both KIN 682 and KIN 582.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

KIN 705 Applied Statistics in Kinesiology

Prerequisite: HLH 700 or equivalent or permission of instructor.

Applications of descriptive and inferential statistics to research problems in Kinesiology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

KIN 733 Current Problems in Sports Administration

Identification, analysis, and evaluation of current problems, research and trends in sports administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

KIN 735 Administration of School Physical Education and Athletic Programs

Financial and legal aspects, personnel management, program development, public relations, and evaluation as they apply to physical education and athletics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

KIN 737 Curriculum Designs in Physical Education

A comprehensive inquiry of the principles underlying the curriculum of physical education in grades K-12. An in-depth analysis will be given to the problems in development and evaluation of physical education curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

KIN 739 Principles of Sports Management

Introduction to theories and principles of sports management as applied to all segments of the sports industry from high school, collegiate, professional and international sports, to health, fitness and recreational settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

KIN 755 Fitness as Preventive Medicine

Recommended Prerequisite: KIN 362 or equivalent. Development and implementation of scientifically-based fitness programs as vehicles of preventative medicine.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

KIN 759 Contemporary Health Problems

In-depth consideration of relevant pertinent health issues, trends, controversy, and current research in Health Education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

KIN 760 Applied Biomechanics of Human Movement

Recommended Prerequisite: KIN 360 or equivalent. Biomechanical principles applied to the analysis of human motion and performance. Techniques of cinematography, computerized motion analysis and other methods of analysis will be used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

KIN 762 Applied Exercise Physiology

Recommended Prerequisite: KIN 362 or equivalent. A study of the mechanisms underlying the body's physiological responses and adaptations to exercise and training. Application is made to health-related concerns, environmental stress, exercise practices, and the aging process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

KIN 780 Legal Aspects in Sports, Physical Education, and Wellness Programs

The legal aspects in sports, physical education, recreation and wellness programs as related to personnel, facilities, participants, spectators and contracts. Includes a review of legal concepts, necessary for in-depth study of the law, as it relates to sports, or other programmed activities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

KIN 781 Contemporary Issues in Physical Education

Exploration of basic issues and trends in physical education using a philosophical approach to contemporary American education. Individual problem solving will assist the student in identifying, analyzing and evaluating recent developments and basic issues in physical education and sport.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

KIN 785 Psychology of Sport and Physical Activity

This course focuses on applying basic theories of human behavior to the practice of sport psychology in professional settings. Emphasis will be placed on developing an understanding of how sport and physical activity settings influence human behavior and how this knowledge may be used in applied settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

KIN 791 Graduate Internship

Prerequisite: HLH 645 and HLH 700 and KIN 705 and KIN 785 or approval from Graduate Internship Coordinator.

Supervised field experience in a related field. Directly involves student utilization of knowledge and skills to demonstrate proficiency in a professional setting. Student must complete a minimum of 210 internship hours corresponding assignments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

KIN 795 Research Project

Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.

Original research supervised by the departmental staff. Designed to enable students through firsthand experience to understand the various parts of research papers, methods of gathering data, appropriate statistical tests, interpretation of findings and implications for further study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

KIN 797 Graduate Seminar

Selected topics in health, physical education, and recreation. Topics may vary from semester to semester. May be repeated for credit when topic varies. A total of 6 hours may be applied to a degree program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

KIN 798 Field Experience in Sports Management

Prerequisite: completion of the application process for the field experience and 12 credits in the certificate program.

The Field Experience is the culminating experience for all students in the certificate program. The field experience provides students the opportunity to become directly involved in the application of organizational and sport management skills in sport related venues. Possible sites include: professional or club sports teams, university athletic departments, sports sales, sports agencies, professional and university sports facilities. Selection is dependent on the students' background and career expectations. All required courses must be completed in order to be eligible. The field experience can be completed during the fall, spring, or summer and requires at least 400 hours. All field experiences must be approved by the internship coordinator.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Upon demand |

KIN 799 Thesis

Prerequisite: HLH 700 or equivalent; a statistics course; and permission of graduate coordinator.

Independent research and study connected with the preparation of a thesis. May be repeated but no more than 6 hours may be counted toward degree.



| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |



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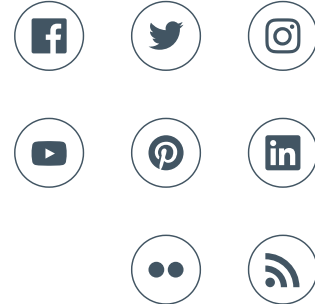
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Kinesiology



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Master of Science in Kinesiology

Rebecca Woodard, Program Director

McDonald Arena, Room 116B; Phone 417-836-5690

RebeccaWoodard@MissouriState.edu (mailto:RebeccaWoodard@MissouriState.edu)

Program description

The Master of Science in Kinesiology is a 36-hour program that allows students to choose their area of emphasis as either (1) sports and human performance or (2) sport pedagogy. It is designed to provide an in depth and hands-on analysis for the exercise and movement science, health and physical education, and sports medicine graduates allowing them to select specific coursework that best prepares them for career placement in various fields such as, but not limited to: exercise practitioner, research scientist, teaching in educational or clinical settings (i.e. biomechanics, exercise physiology, health, strength and conditioning, etc.)

Admission requirements

1. A bachelor's degree in health, kinesiology, physical education, or a related field from an accredited university
2. Cumulative GPA (of all coursework) of 3.00 on a 4.00 scale

3. A statement of purpose describing: (a) academic/professional experience and interests, (b) research experience and interest, (c) career goals
4. Submission of a professional curriculum vitae or resume

Accelerated option

Determined on an individual basis with prior approval from the department head of the undergraduate program, graduate program coordinator, and graduate college, current Missouri State University undergraduate students may apply to begin taking graduate level coursework as they concurrently work to complete their undergraduate degree. If accepted, graduate courses chosen from the approved 600 level course list may be counted toward both their undergraduate and graduate degrees. A maximum of 12 credit hours may be counted as mixed-credit and will be included in the overall graduate grade point average.

Candidates for this option must have:

1. Junior-level standing (60+ credit hours already earned)
2. An overall undergraduate GPA of 3.25 or better
3. A supportive recommendation from the students undergraduate advisor
4. Acceptance of applicant by a graduate faculty member in Kinesiology who agrees to serve as the students graduate mentor
5. Acceptance of the applicant by the graduate faculty in Kinesiology under the accelerated masters option

Course requirements (36 hrs)

Required core courses (18 hrs)

| Course Code | Course Title | Credit Hours |
|---|--|--------------|
| KIN 700 | Research Methods in Kinesiology | 3 hrs |
| KIN 645 | Perceptual and Motor Development | 3 hrs |
| KIN 705 | Applied Statistics in Kinesiology | 3 hrs |
| KIN 785 | Psychology of Sport and Physical Activity | 3 hrs |
| | Research Requirement | |
| KIN 791 | Graduate Internship | 3 hrs |
| | Choose one of the following research options: | |
| KIN 795 AND 3 hour KIN elective | Research Project AND 3 hour KIN Elective | 6 hrs |
| | OR | |
| KIN 799 | Thesis | 6 hrs |

Sport and human performance track (18 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------------|
| KIN 755 | Fitness as Preventative Medicine | 3 hrs |
| KIN 760 | Applied Biomechanics of Human Movement | 3 hrs |
| KIN 762 | Applied Exercise Physiology | 3 hrs |
| | Choose 9 hours of electives from the following: | |
| KIN 650 | Organization and Administration for Kinesiology Professionals | 3 hrs |
| KIN 667 | Physical and Leisure Activities for the Aging Adult | 3 hrs |
| KIN 668 | Adapted Physical Education | 4 hrs |
| KIN 669 | Health Appraisal and Exercise Testing Techniques | 4 hrs |
| KIN 682 | Motivational Interviewing for Health Professionals | 3 hrs |
| KIN 733 | Current Problems in Sports Administration | 3 hrs |
| KIN 735 | Administration of School P.E. and Athletic Programs | 3 hrs |
| KIN 737 | Curriculum Designs for Physical Education | 3 hrs |
| KIN 759 | Contemporary Health Problems | 3 hrs |
| KIN 780 | Legal Aspects in Sports, P.E., and Wellness Programs | 3 hrs |
| KIN 781 | Contemporary Issues in Physical Education | 3 hrs |
| KIN 791 | Graduate Internship | 3 hrs |
| KIN 797 | Graduate Seminar | 3 hrs |
| REC 615 | Risk Management for Recreation, Sport and Park Agencies | 3 hrs |
| REC 623 | Administration of Recreation, Sport and Park Agencies | 3 hrs |

Sport pedagogy track (18 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------------|
| KIN 735 | Administration of School P.E. and Athletic Programs | 3 hrs |
| KIN 780 | Legal Aspects in Sports, P.E., and Wellness Programs | 3 hrs |
| KIN 781 | Contemporary Issues in Physical Education | 3 hrs |
| | Choose 9 hours of electives from the following: | |


| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| KIN 650 | Organization and Administration for Kinesiology Professionals | 3 hrs |
| KIN 667 | Physical and Leisure Activities for the Aging Adult | 3 hrs |
| KIN 668 | Adapted Physical Education | 4 hrs |
| KIN 669 | Health Appraisal and Exercise Testing Techniques | 4 hrs |
| KIN 682 | Motivational Interviewing for Health Professionals | 3 hrs |
| KIN 733 | Current Problems in Sports Administration | 3 hrs |
| KIN 737 | Curriculum Designs for Physical Education | 3 hrs |
| KIN 739 | Principles of Sports Management | 3 hrs |
| KIN 755 | Fitness as Preventative Medicine | 3 hrs |
| KIN 759 | Contemporary Health Problems | 3 hrs |
| KIN 760 | Applied Biomechanics of Human Movement | 3 hrs |
| KIN 762 | Applied Exercise Physiology | 3 hrs |
| KIN 791 | Graduate Internship | 3 hrs |
| KIN 797 | Graduate Seminar | 3 hrs |
| REC 615 | Risk Management for Recreation, Sport and Park Agencies | 3 hrs |
| REC 623 | Administration of Recreation, Sport and Park Agencies | 3 hrs |
| REC 651 | Outdoor Leadership | 3 hrs |



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Professional Studies: Sports Management Option



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Graduate programs

Master of Professional Studies: Sports Management Option

The Department of Kinesiology participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(/Catalog/professionalstudies.htm\)](/Catalog/professionalstudies.htm) for more information.

Sports Management Option required courses:

The Sports Management Option is a 15 hour option that includes three 3 credit hour courses and one six hour field experience course. [KIN 733](https://graduate.missouristate.edu/catalog/Kinesiology_courses.htm#KIN733) (https://graduate.missouristate.edu/catalog/Kinesiology_courses.htm#KIN733) covers the research requirement for the MPS program.





Required Courses (6 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| KIN 739 | Principles of Sports Management | 3 hrs |
| KIN 780 | Legal Aspects in Sports, Physical Education, Recreation and Wellness Programs | 3 hrs |
| KIN 733 | Current Problems in Sports Administration | 3 hrs |
| KIN 798 | Field Experience in Sports Management | 6 hrs |



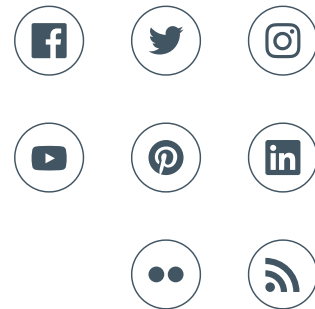
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Graduate Catalog

Secondary Education: Physical Education Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Physical Education Area of Emphasis

Contact area of emphasis advisor Dr. Sarah McCallister.

MSEd, Secondary education, physical education are not accepting applications at this time.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Physical Education requirements

1. [KIN 705](#) Applied Statistics in Health, Physical Education and Recreation - 3 hrs
2. Additional courses numbered 700 or above offered by Kinesiology (excluding [KIN 795](#) or [799](#)) - 12 hrs

Total: 15 hrs



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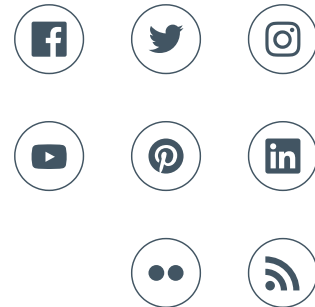
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Recreation and Parks Administration



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Certificate in Recreation and Parks Administration

Hugh Gibson, Program Director

Kings Street Annex, Room 102; Phone: 417-836-5417

HughGibson@MissouriState.edu (<mailto:HughGibson@MissouriState.edu>)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Recreation and Parks Administration Certificate is a 12-hour program that includes four 3-credit courses. It is designed to provide preparation for administrative positions in professional recreation, parks and leisure agencies at the international, national, state and local level.

Admission requirements

1. A Bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A resume and a written statement of goals and interest in the RPA Certificate. This written statement will be reviewed to assess the applicant's motivation and commitment to complete the graduate degree and as

evidence of the writing skills necessary to succeed in the program.

3. All additional admission requirements established by Missouri State University and the Graduate College.


Certificate course requirements (12 hrs)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| REC 623 | Administration of Recreation, Sport, and Park Agencies | 3 hrs |
| REC 615 OR KIN 780 | Risk Management for Recreation, Sport, and Park Agencies OR Legal Aspects in Sports, Physical Education, Recreation and Wellness Programs | 3 hrs |
| | Choose 6 hours from the following: | |
| REC 651 | Outdoor Leadership | 3 hrs |
| KIN 600 | Seminar in Physical Education (Study Away) | 3-6 hrs |
| KIN 798 | Field Experience | 3-6 hrs |





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Sport and Human Performance



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Certificate in Sport and Human Performance

Rebecca Woodard, Program Director

McDonald Arena, Room 116B; Phone: 417-836-5690

RebeccaWoodard@MissouriState.edu (mailto:RebeccaWoodard@MissouriState.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Sport and Human Performance Certificate is a 12-hour program that includes four 3-credit courses (3 required and 1 elective). It is designed to provide preparation and additional credentials for career placement in various related fields such as, but not limited to: exercise practitioner, research scientist, teaching in educational or clinical settings (i.e. biomechanics, exercise physiology, health, strength and conditioning, etc.)

Admission requirements

1. A Bachelor's degree in kinesiology, exercise science, health, physical education, or related field from an accredited university.

2. Letter of intent which must include: (a) career goals, (b) research experience, (c) research interests.
3. Professional curriculum vitae or resume.
4. All additional admission requirements established by Missouri State University and the Graduate College.

Certificate Course Requirements (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| KIN 755 | Fitness as Preventative Medicine | 3 hrs |
| KIN 760 | Applied Biomechanics of Human Movement | 3 hrs |
| KIN 762 | Applied Exercise Physiology | 3 hrs |
| | Choose three hours from the following: | 3 hrs |
| KIN 650 | Organization and Administration for Kinesiology Professionals | |
| KIN 667 | Physical and Leisure Activities for the Aging Adult | |
| KIN 668 | Adapted Physical Education | |
| KIN 669 | Health Appraisal and Exercise Testing Techniques | |
| KIN 682 | Motivational Interviewing for Health Professionals | |
| KIN 733 | Current Problems in Sports Administration | |
| KIN 735 | Administration of School P.E. and Athletic Programs | |
| KIN 737 | Curriculum Designs for Physical Education | |
| KIN 759 | Contemporary Health Problems | |
| KIN 780 | Legal Aspects in Sports, P.E., and Wellness Programs | |
| KIN 781 | Contemporary Issues in Physical Education | |
| KIN 797 | Graduate Seminar | |





Certificate requirements

Students must have an overall GPA of 3.00 for completion of the program.



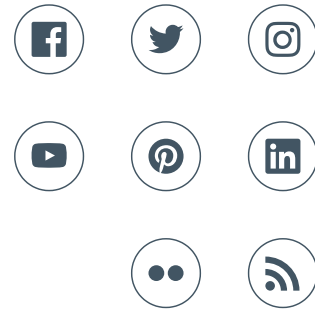


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Sport Pedagogy



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Certificate in Sport Pedagogy

Rebecca Woodard, Program Director

McDonald Arena, Room 116B; Phone: 417-836-5690

RebeccaWoodard@MissouriState.edu (mailto:RebeccaWoodard@MissouriState.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Sport Pedagogy Certificate is a 12-hour program that includes four 3-credit courses (3 required and 1 elective). It is designed to provide additional experiences to teachers and coaches that enhances their ability to teach, coach and/or administer physical education, physical activity, and athletic programs.

Admission requirements

1. A Bachelor's degree in kinesiology, exercise science, health, physical education, or related field from an accredited university.
2. Letter of intent which must include: (a) career goals, (b) research experience, (c) research interests.

3. Professional curriculum vitae or resume.
4. All additional admission requirements established by Missouri State University and the Graduate College.

Certificate Course Requirements (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| KIN 735 | Administration of School P.E. and Athletic Programs | 3 hrs |
| KIN 780 | Legal Aspects in Sports, P.E., and Wellness Programs | 3 hrs |
| KIN 781 | Contemporary Issues in Physical Education | 3 hrs |
| | Choose three hours from the following: | 3 hrs |
| KIN 650 | Organization and Administration for Kinesiology Professionals | |
| KIN 667 | Physical and Leisure Activities for the Aging Adult | |
| KIN 668 | Adapted Physical Education | |
| KIN 669 | Health Appraisal and Exercise Testing Techniques | |
| KIN 682 | Motivational Interviewing for Health Professionals | |
| KIN 733 | Current Problems in Sports Administration | |
| KIN 737 | Curriculum Designs for Physical Education | |
| KIN 739 | Principles of Sports Management | |
| KIN 755 | Fitness as Preventative Medicine | |
| KIN 759 | Contemporary Health Problems | |
| KIN 760 | Applied Biomechanics of Human Movement | |
| KIN 762 | Applied Exercise Physiology | |
| KIN 797 | Graduate Seminar | |


Certificate requirements

Students must have an overall GPA of 3.00 for completion of the program.



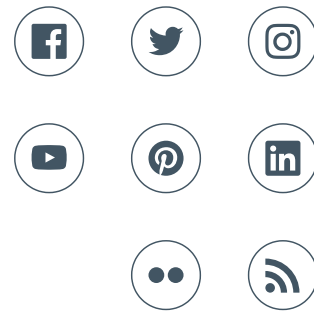


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Sports Management



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Graduate programs

Certificate in Sports Management

Gerald Masterson, Program Director

J.D. Morris Center, Room 413; Phone 417-836-6941

JerryMasterson@MissouriState.edu (mailto:JerryMasterson@MissouriState.edu)

Program description

The Sports Management Certificate Program is an 12 hours program, that includes three 3-credit hour courses and one three-hour field experience course. It is designed to provide for preparation for management positions in professional, collegiate, and international sports, as well as, campus and community wellness/sports programs.

Admission requirements

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.

2. Recommendation by the Graduate Interdisciplinary Program Director.

Certificate requirements

Required courses - 12 hrs

| Course Code | Course Title | Credit Hours |
|--|--|--------------|
| KIN 739 | Principles of Sports Management | 3 hrs |
| KIN 780 OR REC 615 | Legal Aspects in Sports, Physical Education, Recreation and Wellness Programs OR Risk Management for Recreation, Sport and Park Agencies | 3 hrs |
| KIN 733 | Current Problems in Sports Administration | 3 hrs |
| KIN 798 | Field Experience | 3 hrs |

KIN 798 Field Experience - 3 hrs


The field experience is the culminating activity for all students in the certificate program. It should be planned (in consultation with the sports management advisor) in advance of the semester in which the student desires to register for the experience. Before the experience can begin, the student must complete the application process and the 9 credit hours required in the certificate program or be granted permission by the program director:

Requirements for completion of certificate

1. Completion of required courses.
2. Completion of the field experience.
3. Maintain a GPA of 3.00
4. Successful completion of a research or capstone experience will serve as the student's comprehensive examination.



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[DNP-Family Nurse Practitioner: BSN to DNP](#) (DNP)

[Doctor of Nursing Practice](#) (Post-Master's DNP) 
(DNP)

Certificates

[Nurse Educator](#) (Certificate) 

[Post-Master's Population Health](#) (Certificate)

Accreditation

The Bachelor of Science in Nursing, Master of Science in Nursing and Doctor of Nursing Practice degree programs at Missouri State University

Contact

Interim Director

are accredited by the Commission on Collegiate Nursing Education:
www.aacnnursing.org/CCNE (<https://www.aacnnursing.org/CCNE>).

Monica Feeney

Office

Professional Building, Room
300

Phone

417-836-5310

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Email

Nursing@missouristate.edu
(<mailto:Nursing@missouristate.edu>)

Website





[missouristate.edu/nursing](https://www.missouristate.edu/nursing)
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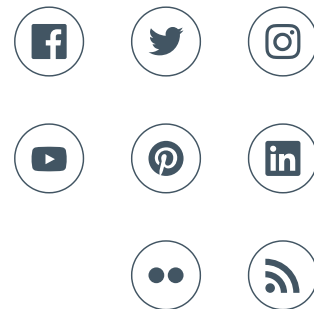
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Assistant professors

Debbie Horine

Melissa Penkalski

Clinical associate professor

Kathryn Patterson

Clinical assistant professors

Kathryn Adams

Shelley Carter

Ronda Entlicher-Stewart

Ashley Paul

Brandon Rachal

Ashley Simpson

Alisha Tuttle

Clinical supervisor

Ashley Kubik

Adjunct faculty

Ludella Brown

Shanna D. DeWater

Rhea Faye D. Felicilda-Reynaldo

GeorgAnn M. Greissinger

Dan Johnson

Janice Jones

Malinda K. Kendrick

Katrina M. Kovarik-Stevens

John James Lorette, Jr.

Vanessa McConnell

Rita Million

Angela K. Powers

Gale Roberts

Guy H. Ruddick

Donna Christine Wilson

Emeritus faculty

Carol Daniel

Elizabeth M. Fahey

Caroline A. Helton

Kathryn L. Hope




Susan S. Sims-Giddens

Rose Utley



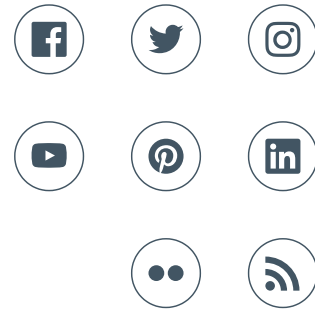


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Missouri State

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Nursing Courses

Healthcare Management (HCM) courses

HCM 604 Health Care Economics

Recommended Prerequisite: ECO 165 or AGB 144. A basic study of the major economic issues facing the health care industry. Emphasis will be placed on the major elements of economic theory from a micro-economic perspective and how these theories are applied in the area of health care. Identical with ECO 604. Cannot receive credit for both HCM 604 and ECO 604. May be taught concurrently with HCM 504. Cannot receive credit for both HCM 504 and HCM 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

Nursing (NUR) courses

NUR 631 Gerontological Health Care

This course will address health issues of older adults, including the normal biological and psychosocial aging process, common health problems, and access to and use of health services. It includes international models of aging and geriatric care. The focus is on healthy aging and adaptation to chronic health conditions. This course has a community experience component. May be taught concurrently with NUR 501. Cannot receive credit for both NUR 501 and NUR 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 632 Rural Health

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations, and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with SWK 602. Cannot receive credit for both NUR 632 and SWK 602. May be taught concurrently with NUR 502. Cannot receive credit for both NUR 502 and NUS 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 633 Transcultural Healthcare

Prerequisite: permission of instructor.

Exploration of health beliefs, values, and practices of other cultures. This is a short-term study away course. May be taught concurrently with NUR 503. Cannot receive credit for both NUR 503 and NUR 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

NUR 635 Healthcare Informatics

Integration of health, computer and information sciences in managing information to support healthcare and research. Development of skill in managing information and using information systems relevant to health care. May be taught concurrently with NUR 515. Cannot receive credit for both NUR 635 and NUR 515.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

NUR 640 Advanced Human Pathophysiology

Prerequisite: admission to a graduate nursing program or permission of instructor.

Exploration of pathophysiology with focus on health care problems relevant to nursing. May be taught concurrently with NUR 565. Cannot receive credit for both NUR 640 and NUR 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 695 Independent Study in Nursing

Prerequisite: permission of instructor.

Special topics for individual students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 596. Cannot receive credit for both NUR 596 and NUR 695.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

NUR 696 Special Topics in Nursing

Prerequisite: permission of instructor.

Special topics for groups of students may be offered as specific topics of interest or as needs arise which are not covered by courses or content in the program. May be repeated for credit for a maximum of 6 credit hours as topics change. May be taught concurrently with NUR 597. Cannot receive credit for both NUR 597 and NUR 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | 1 | 3 | Upon demand |

NUR 700 Epidemiology

Prerequisite: admission to a graduate program in Nursing.

This course is an introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiological evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Identical with PBH 720. Cannot receive credit for both NUR 700 and PBH 720.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 701 Nursing Science

Prerequisite: admission to a graduate program in nursing or permission of instructor.

This course is designed to address how nursing science has evolved and the state of the art of nursing science. Emphasis will be placed on analysis and critique of existing nursing models and theories.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

NUR 703 Population Health: A Local to Global Perspective

Prerequisite: admission to a graduate program in nursing or permission of instructor.

This course fosters development of advanced knowledge of health systems and social determinants of population health from a local, state, national, and global perspective. The phenomena of cultural competence, health disparities, health promotion, community health assessment, and a global health outlook will be explored. The course is a pre/corequisite for NUR 704.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

NUR 704 Population Health Practicum

Prerequisite: admission to a graduate program in nursing or permission of instructor; NUR 703 or concurrent enrollment.

This course is a clinical component of NUR 703. The clinical experience will include 96 hours of immersion into a vulnerable, underserved or culturally diverse population.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Fall |

NUR 705 Population Health Management I

Prerequisite: NUR 703 and NUR 704 and admission to a graduate program in nursing or permission of instructor.

This course builds on foundational knowledge of population health concepts, models, skills, roles, and technology used to identify the health care needs of vulnerable populations experiencing health disparities. An emphasis is placed on data science, risk management, and program planning and development of interventions across the continuum of care.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Summer |

NUR 706 Population Health Management II

Prerequisite: NUR 703 and NUR 704 and NUR 705 and admission to a graduate program in nursing.

This course builds on knowledge and skills in population health used to deliver, manage, and evaluate health care across the care continuum. Achieving sustainable solutions to health disparities and evaluation of outcomes in terms of quality, safety, effectiveness, satisfaction, and fiscal considerations are emphasized. A focus on disease prevention and management using health informatics, data science, and models of collaborative health care delivery is provided.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 6 | Fall |

NUR 711 Advanced Roles and Leadership in Nursing

Prerequisite: admission to a graduate program in Nursing.

Examination of advanced nursing roles with emphasis on role theory, leadership, and advanced competencies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

NUR 730 Family Practice I

Prerequisite: admission to the BSN-DNP Program.

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of acute health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 4 | 6 | Fall |

NUR 733 Advanced Physical Assessment and Health Promotion

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, and focus on health prevention and promotion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Fall, Spring |

NUR 734 Advanced Physical Assessment and Clinical Reasoning

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Advanced critical thinking, communication and diagnostic skills needed to obtain comprehensive and focused history and physical exams, analyze assessment data, generate differential diagnoses, evaluate and utilize screening and diagnostic modalities appropriately. An evidence-based practice framework will be utilized. Identical with ANE 734. Cannot receive credit for both NUR 734 and ANE 734. Variable credit course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5-6 | | | Fall, Spring |

NUR 750 Family Practice II

Prerequisite: admission to the BSN-DNP Program.

Emphasis on evidence-based clinical practice to promote health and prevent chronic disease. Didactic and clinical experiences include assessment, diagnosis and management of chronic health problems in the geriatric, adult and pediatric population. Includes clinical experiences of not less than 96 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 4 | 6 | Spring |

NUR 761 Advanced Pharmacotherapeutics

Prerequisite: admission to a graduate program in nursing or permission of instructor.

An in-depth analysis of clinical pharmacotherapeutics for nurses in advanced practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 762 Prescriptive Practices for the Advanced Practice Nurse

Prerequisite: admission to the graduate program in Family Nurse Practitioner or permission of instructor; and concurrently enrollment in NUR 761, section 1.

This course is taken in conjunction with NUR 761 Section 1, to further investigate pharmacokinetics and pharmacodynamics for the advanced practice nurse. Emphasis will be placed on drug management and rationale prescribing including regulatory considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

NUR 765 Applications of Advanced Pathophysiology

Prerequisite: admission to a graduate program in Nursing.

Clinical application of advanced pathophysiology for advanced nursing roles. Includes laboratory experiences of not less than 32 contact hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

NUR 770 Family Practice III

Prerequisite: admission to the BSN-DNP Program.

This course covers special clinical topics in nurse practitioner practice including, but not exclusive to procedures, emergencies/trauma, wilderness medicine, pain management, and generic disorders. Includes clinical experiences of not less than 96 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 4 | 6 | Fall |

NUR 772 Advanced Research Methods in Nursing

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Critical analysis of the researcher role, the research process, and research ethics within a nursing framework. Application of learned principles will result in the development of the research proposal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

NUR 780 Teaching/Learning for Health Care Educators

Prerequisite: admission to a graduate program in nursing or permission.

Designed to examine works of major learning theorists and investigate research related to teaching methods and learning. Identification of teaching/learning strategies used in health care education and practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

NUR 781 Nursing Education Practicum

Prerequisite: NUR 780; and admission to a graduate program in nursing or permission.

Clinical experience in a nurse educator role in a basic education program. Application of educational and clinical practice theories and principles in a clinical teaching setting. This course has no less than 144 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 0 | 9 | Fall, Spring, Summer |

NUR 782 Program Development and Evaluation in Nursing Education

Prerequisite: NUR 780; and admission to a graduate program in Nursing; or permission of instructor.

Explore components, processes, and skills involved in the development, implementation, and evaluation of academic and non-academic settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

NUR 783 Nursing Education Practicum II

Prerequisite: admission to the Nurse Educator specialization.

Clinical experience in a nurse educator role in a healthcare or community setting with emphasis on application of educational theories and principles. Includes clinical experiences of not less than 96 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 6 | Fall, Spring |

NUR 784 Technology in Health Care Education

Prerequisite: permission.

This course explores various technology-based health education resources, such as blogs, wikis, YouTube/SchoolTube, Podcasts, Webinars, and social networking tools utilized to support the teaching and learning process. Strategies to assess learners, to develop learner evaluation plans, and to measure learning outcomes will be discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

NUR 785 Population Health Management Education Practicum

Prerequisite: NUR 703 and NUR 704 and NUR 705; and NUR 706 or concurrent enrollment in NUR 706; and admission to a graduate program in nursing.

This clinical course applies knowledge of population health concepts, models, skills, and roles to the health care needs of vulnerable populations. Aspects of program development, implementation, and evaluation will be emphasized.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 0 | 9 | Fall, Spring, Summer |

NUR 787 Advanced Nursing Clinical Management

Prerequisite: NUR 780 and NUR 782; and admission to a graduate nursing program or permission.

Clinical experience in advanced nursing roles to develop in-depth knowledge and expertise in a healthcare or community setting. This course has no less than 96 clinical hours. This course may be taken as variable credit, may be taken as 2-4 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 2-4 | | | Fall, Spring, Summer |

NUR 790 Family Nurse Practitioner Advanced Practicum

Prerequisite: admission to a graduate program in nursing or permission of instructor.

Development of the role of a family nurse practitioner in a supervised setting. Includes clinical experiences of not less than 240 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 6 | 1 | 15 | Fall, Spring, Summer |

NUR 797 Capstone Project

Prerequisite: NUR 772; and admission to a graduate program in nursing.

Active participation in the development, implementation, and evaluation of advanced nursing role capstone project. Must be repeated for a minimum of 3 hours. Variable credit, may be taken 1-3 credit hours. This course has no less than 144 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

NUR 798 Research

Prerequisite: permission of research advisor.

Application of the research process in the supervised study of a selected problem. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

NUR 799 Thesis

Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization.

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated for a minimum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

NUR 800 DNP Leadership I: Concepts for Evidence-Based Practice

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course explores and applies foundational concepts and theories for the development of the DNP nurse leader and the DNP Change Project. Concepts include transforming healthcare through evidence-based practice, quality improvement, leadership in healthcare systems, project planning, evaluation of evidence, and consideration of disparities in health and healthcare from a population focus. This course has no less than 48 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 1 | Summer |

NUR 802 Emerging Science and Methods of Advanced Practice

Prerequisite: admission to the DNP Program and completion of a graduate level nursing theory course and a graduate level nursing research course.

In this course, concepts, theories, and philosophical perspectives relevant to nursing science, research, and advanced nursing practice will be examined. Emphasis will be placed on exploring, analyzing, and applying concepts, theories, philosophies, and traditional and translational research methods, to the discipline of nursing, and to the student's area of research. The use of systematic reviews, meta-analysis, and meta-synthesis in the student's DNP project and in nursing practice will be explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

NUR 810 Finance Management and Entrepreneurship for Advanced Nursing Roles

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course focuses on the understanding and analysis of concepts and issues related to finance, budgeting, resource management, funding, reimbursement, cost-benefit analysis, and entrepreneurship as applicable to advanced nursing roles within the changing health care environment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

NUR 824 Health Policy to Improve Health Disparities

Prerequisite: admission to a graduate program in nursing.

This course will explore the advanced roles and skills needed in health policy advocacy, analysis, development, implementation, and evaluation. Advanced advocacy skills and tools for addressing health care cost, quality, and access issues; as well as social justice, vulnerable populations, and health disparities, will be explored. Emphasis will be placed on understanding the complexities of local, national, and global health issues and policy initiatives necessary to improve health outcomes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

NUR 830 DNP Leadership II: Impacting Disparities in Health and Healthcare

Prerequisite: admission to the DNP Program and meet program progression requirements.

Building on NUR 800, the focus of this course includes the concepts of leadership, change, problem solving, ethical decision making theories and their application to project planning. The concepts of translational research, quality improvement, and budgeting, within a health and healthcare disparities framework will be addressed and applied. This course has no less than 144 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 3 | Fall, Spring |

NUR 840 Technology for Transforming Nursing and Healthcare Systems

Prerequisite: admission to a graduate program in nursing or permission.

This course is designed to provide an overview of nursing and healthcare information technology applicable to advanced nursing roles. The purpose of this course is to explore information system concepts and leverage

technologies that can be used to improve quality, enhance patient safety, and transform the health of individuals, families, communities and populations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring, Summer |

NUR 860 DNP Leadership III: Transforming Systems

Prerequisite: admission to the DNP Program and meet program progression requirements.

This course builds on previous DNP Leadership courses with an emphasis on advanced leadership roles for transforming health and healthcare disparities at the systems level. Concepts addressed include implementing a strategic plan and evaluating plan outcomes; resource management; leading and managing change and innovation in diverse healthcare environments; healthcare economics; influencing healthcare policy, and organizational culture and behavior; program/impact evaluation. Advanced leadership roles, such as consultant, entrepreneur, grant writer, mentor, advanced advocate, and change agent will be included. During this course an evidence-based DNP project to transform practice within a healthcare system will be implemented and evaluated. This course has no less than 144 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 3 | Fall, Spring |

NUR 880 Leadership and Innovation in Population Health Nursing

Prerequisite: admission to the Post-Masters Population Health Certificate program or permission.

This course is for students who need additional clinical learning experiences to meet the required clinical contact hours to meet DNP clinical admission requirements. The course focuses on experiential learning emphasizing the use of evidence-based practice, innovation, organizational collaboration, and leadership in health care. Students will acquire clinical experiences through a non-paid internship with healthcare leaders. Activities include completion of an organizational and needs assessment, and implementation of an evidence-based change project. This course includes clinical experience of not less than 144 contact hours. Clinical hours are counted towards the post-baccalaureate clinical hours required for DNP programs. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 0 | 9 | Fall, Spring, Summer |

NUR 896 Independent Study in Community and Population Health Leadership

Prerequisite: admission to the Post-Masters Population Health Certificate program, or permission, and completion of graduate epidemiology course.

This course is for students who need additional clinical learning experiences to meet the required clinical contact hours to achieve DNP competencies. Clinical experiences via independent study will focus on specific topics of interest in community and population health leadership. This course includes clinical experience of 48 contact hours per credit hour. Clinical hours are counted towards the post-baccalaureate clinical hours required for DNP programs. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

NUR 993 Transforming Practice

Prerequisite: admission to the DNP program and meet program progression requirements.

During this course, the DNP student will utilize and synthesize project findings with current evidence to develop scholarly products of publications and presentations for dissemination. This course has no less than 192 clinical hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 4 | 0 | 12 | Fall, Spring, Summer |

NUR 998 Clinical Development

Prerequisite: admission to a graduate program in nursing or permission.

This course is continued clinical application for the students requiring additional clinical time. This course cannot be repeated. This course has no less than 48 clinical hours. This course can be taken for either 1 or 2 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

NUR 999 Active in DNP Project

Prerequisite: permission of DNP project advisor.

This course is continued application of translational research process in the supervised project of a selected evidence-based practice problem. This course is for students who require additional time to complete the DNP project. May be repeated for a maximum of 6 hours. Does not count toward degree requirements.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |



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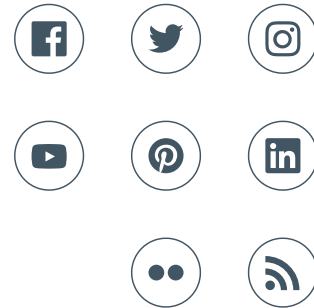
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Graduate programs

Master of Science in Nursing

Melissa R. Penkalski, Graduate Program Director

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Program description

The School of Nursing offers a Master of Science in Nursing (MSN) program with an option in either nurse educator, population health leadership, or family nurse practitioner. The Master's-prepared nurse assumes pivotal roles to improve the healthcare quality of vulnerable populations and reduce healthcare disparities.

The Nurse Educator (NE) option prepares nurses at an advanced level to teach in a variety of academic and healthcare settings to diverse learners. The nursing education curriculum is delivered via online asynchronous format.

The Population Health Leadership (PHL) option prepares nurses at an advanced level to design, plan, implement, and evaluate patient-centered healthcare programs to meet population health needs. The population health leadership curriculum is delivered via online asynchronous format.

The Family Nurse Practitioner (FNP) option prepares nurses at an advanced level to assess, diagnose, treat, educate, and manage patients throughout the lifespan as a health care provider. The FNP curriculum is delivered in a hybrid format, seated classes are on campus, a minimum of one day per week.

Accreditation

The Master of Science in Nursing program at Missouri State University is accredited by the Commission on Collegiate Nursing Education (www.aacnnursing.org/CCNE (<https://www.aacnnursing.org/CCNE>)).

Application process

1. Submit an application to [Nursing CAS](#) with all required documentation, including transcripts, and references.
2. Submit the School of Nursing application fee via the link provided in Nursing CAS application or [pay application fee online through the Missouri State CashNET service](#). The application fee does not guarantee acceptance into the desired program of your choosing.
3. Submit evidence of graduation from a Bachelor of Science (BSN) program that is nationally accredited by a recognized accrediting organization. Graduates from international nursing program or non-accredited programs will be considered on an individual basis.
4. Submit proof of licensure as a registered nurse (RN) without disqualification and eligible for licensure in the State in which clinical practicums will be completed.
5. Submit transcripts of all completed academic coursework. MSN applicants must have a cumulative GPA of 3.25 (on a 4.00 scale) for the last 60 hours of course work attempted. Students who have less than a 3.25 GPA must submit verbal, quantitative, and analytical scores on the Graduate Record Examination General Test (GRE) (minimum Verbal: 150, Quantitative: 145, Analytical Writing: 3.5).
6. Submit proof of completion of all prerequisite courses: undergraduate human pathophysiology, nursing research, and health assessment courses with a grade of "C" or higher. In addition, healthcare informatics and graduate level inferential statistics with a grade of "B-" or higher before the program begins. Admission will be contingent on the student completing prerequisite courses prior to enrolling in MSN courses.
7. Submit evidence of a completed clinical practice experience that equates with one year minimum (two or more preferred) of full-time experience for MSN-FNP program. Exceptions considered on individual basis.
8. Meet the School of Nursing technical standards of the MSN program to successfully undertake the course of study (available by request from the program).
9. Be prepared to meet the technical and technology proficiency requirements for online courses (available by request from the program).

Post-admission process

1. Payment of a clinical tracking fee. See the [School of Nursing](#) website for a full list of program costs.
2. Apply and pay for the state/federal Background Check and receive a response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would

- prohibit licensure as a registered nurse or completion of clinical experiences.
3. Pay for and complete a urine drug screen without disqualifying results.
 4. Submit proof of current professional liability insurance (limit \$1,000,000/aggregate \$6,000,000). For FNP students, the current professional liability insurance must be specifically for NP Student Liability.
 5. Submit evidence of current health insurance.
 6. Submit evidence of current [American Heart Association](#) (AHA) Basic Life Support (BLS). Online didactic courses and written tests are available for a fee for those students who need to recertify. No online skills testing will be accepted.
 7. Submit evidence of current immunizations or immune status (MMR, Tetanus, Varicella, Hepatitis B series) and a PPD or -Spot (or documentation of appropriate follow up for PPD positive results).
 8. Initiate and pay for any additional security checks and drug screenings required for placement into agencies for clinical experiences. Some agencies require annual screening and affidavits.

Retention requirements

1. Maintain a GPA of 3.00, with no more than one course with a grade of "C", and no course with a grade of "D" or lower.
2. Students must complete all coursework within five academic years after admission into the MSN program.
3. Students must demonstrate acceptable levels of maturity, integrity and professionalism, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
4. Demonstrate acceptable professional progression in application of skills and knowledge in the MSN program.
5. Maintain current American Heart Association (AHA) Basic Life (BLS) certification, RN licensure, health and professional liability insurance, and all immunizations required by clinical agencies throughout the program.
6. Notify the School of Nursing within five (5) days in the event of any legal infractions or any actions taken against their nursing license, or any investigation of such incidences.

While the student's grades are important, retention in the MSN program considers the composite profile of the student's ability to perform at a satisfactory level in the academic and clinical component of the educational program.

The School of Nursing reserves the right to refuse enrollment or program continuation to any student. This refusal will be determined by the judgment of the Graduate Program Director, the Graduate Admission, Progression and Graduation (APG) Committee, and the Director of the School of Nursing, and based on the student's ability to successfully complete academic or clinical assignments or function effectively in the roles required in the MSN program. This includes the demonstration of characteristics associated with a professional nurse, including behaviors involving professionalism, ethics and integrity.

Technological requirements

The Missouri State University MSN Program uses a combination of online and on-campus modalities. Didactic online content may be delivered using asynchronous and synchronous formats. Applicants to the MSN program must be proficient using online learning management systems, word processing, spreadsheet management, and presentation graphics software. Students are expected to be able to manage files, navigate the internet, access resources, locate scholarly references from the library, and use a headset/microphone, computer camera, scanner and fax machine. Students who have deficiencies in these areas must seek training before the start of the program.

The School of Nursing uses a Blackboard management system for all courses. Additionally, web conferencing software may be used for synchronous course offerings and other experiences. Specific information on web conferencing software used in class will be provided in the course syllabus. Access to a personal computer/laptop with broadband/high speed internet connections, a web camera, and a headset with microphone are required.

Clinical experience requirements

Clinical FNP experiences for MSN-FNP students are individually arranged with preceptors, who have the appropriate educational and experiential qualifications. Students can complete their clinical experiences in their local community if sites and preceptors are approved by the School of Nursing. However, students should plan to travel outside of the local community for clinical experiences. All clinical sites and preceptors must be approved in advance by the FNP Program Coordinator and a contract must be established with the clinical site before any clinical experiences occur.

On-Campus requirements

MSN-FNP students are required to be on campus for seated classes a minimum of one day a week, with potential for additional days depending on requirements of the course.

MSN-NE and MSN-PHL students are required to be on campus one to two times during the program. The date and times for these on-campus visits will be published annually, prior to the start of the academic year.

Degree requirements

Nurse educator option courses (43 hrs)

| Course code | Course title | Credit hours |
|--------------------------------|---|---------------------|
| <u>NUR 701</u> | Nursing Science | 2 hrs |
| <u>NUR 703</u> | Population Health: A Local to Global Perspective | 3 hrs |
| <u>NUR 711</u> | Advanced Roles and Leadership | 2 hrs |
| <u>NUR 761</u> | Advanced Pharmacotherapeutics | 3 hrs |
| <u>NUR 765</u> | Applications of Advanced Pathophysiology | 3 hrs |
| <u>NUR 772</u> | Advanced Research Methods in Nursing | 3 hrs |
| <u>NUR 824</u> | Health Policy to Improve Health Disparities | 3 hrs |
| <u>PBH 710</u> | Clinical Epidemiology | 3 hrs |
| <u>NUR 733</u> | Advanced Physical Assessment & Health Promotion (48 clinical hours) | 4 hrs |
| <u>NUR 781</u> | Nursing Education Practicum (144 clinical hours) | 3 hrs |

| Course code | Course title | Credit hours |
|--------------------------------|---|---------------------|
| <u>NUR 787</u> | Advanced Nursing Clinical Management (144 clinical hours) | 4 hrs |
| <u>NUR 797</u> | Capstone Project (96 clinical hours) | 3 hrs |
| <u>NUR 780</u> | Teaching/Learning for Health Care Educators | 3 hrs |
| <u>NUR 782</u> | Program Development and Evaluation in Nursing Education | 2 hrs |
| <u>NUR 784</u> | Technologies in Nursing Education | 2 hrs |

Population health option courses (40 hrs)

| Course code | Course title | Credit hours |
|--------------------------------|---|---------------------|
| <u>NUR 701</u> | Nursing Science | 2 hrs |
| <u>NUR 703</u> | Population Health: A Local to Global Perspective | 3 hrs |
| <u>NUR 711</u> | Advanced Roles and Leadership | 2 hrs |
| <u>NUR 761</u> | Advanced Pharmacotherapeutics | 3 hrs |
| <u>NUR 765</u> | Applications of Advanced Pathophysiology | 3 hrs |
| <u>NUR 772</u> | Advanced Research Methods in Nursing | 3 hrs |
| <u>NUR 824</u> | Health Policy to Improve Health Disparities | 3 hrs |
| <u>PBH 710</u> | Clinical Epidemiology | 3 hrs |
| <u>NUR 704</u> | Population Health Practicum (48 clinical hours) | 1 hr |
| <u>NUR 705</u> | Population Health Management (48 clinical hours) | 3 hrs |
| <u>NUR 706</u> | Population Health Management II (96 clinical hours) | 4 hrs |
| <u>NUR 733</u> | Advanced Physical Assessment & Health Promotion (48 clinical hours) | 4 hrs |
| <u>NUR 785</u> | Population Health Management Education Practicum (144 clinical hours) | 3 hrs |
| <u>NUR 797</u> | Capstone Project (96 clinical hours) | 3 hrs |

Family nurse practitioner option courses (56 hrs)


| Course code | Course title | Credit hours |
|-------------------------|--|--------------|
| NUR 701 | Nursing Science | 2 hrs |
| NUR 703 | Population Health: A Local to Global Perspective | 3 hrs |
| NUR 711 | Advanced Roles and Leadership | 2 hrs |
| NUR 761 | Advanced Pharmacotherapeutics | 3 hrs |
| NUR 765 | Applications of Advanced Pathophysiology | 3 hrs |
| NUR 772 | Advanced Research Methods in Nursing | 3 hrs |
| NUR 824 | Health Policy to Improve Health Disparities | 3 hrs |
| PBH 710 | Clinical Epidemiology | 3 hrs |
| NUR 730 | Family Practice I (96 clinical hours) | 6 hrs |
| NUR 734 | Advanced Physical Assessment and Clinical Reasoning (144 clinical hours) | 6 hrs |
| NUR 750 | Family Practice II (96 clinical hours) | 6 hrs |
| NUR 762 | Prescriptive Practices for the Advanced Practice Nurse | 1 hr |
| NUR 770 | Family Practice III (96 clinical hours) | 6 hrs |
| NUR 790 | FNP Advanced Practice Practicum (240 clinical hours) | 6 hrs |
| NUR 797 | Capstone Project (96 clinical hours) | 3 hrs |




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Graduate programs

Doctor of Nursing Practice

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Program description

The School of Nursing Doctor of Nursing Practice (DNP) program is designed to prepare graduates for advanced nursing practice. Our community-based DNP program will graduate nursing leaders who have the knowledge and skills to address the health disparities of vulnerable populations, including rural. The program will prepare graduates to function in a variety of community and acute care health settings as primary care providers, leaders, managers, educators, and consultants.

Program options

- The BSN to DNP program is an 79 credit hour program that will prepare graduates to practice in the family nurse practitioner role (FNP). The program consists of both online and on-campus courses. The student is required to hold licensure as a registered nurse and complete FNP clinical rotations in Missouri. The program can be completed in three (3) years of full-time study. Part-time study is an option for the first year of the BSN to DNP program.
- The Post-Master's (PM) DNP Program is a 29 credit hour (minimum) online program for nurses with a Master's in Nursing degree. The online program can be completed with full-time study in 5 semesters, or in part-time study.
- PM DNP applicants without a clinical focus in their master's degree program will need to complete the Post-Master's Population Health Certificate program prior to admission into the DNP program.
- PM DNP applicants who have some clinical hours but do not meet the minimum 500 clinical contact hours required will complete the PM DNP Bridge program. An individualized plan of study will be developed to ensure completion of required postbaccalaureate clinical hours before full admission into the DNP program.

Accreditation

The Doctor of Nursing Practice program at Missouri State University is accredited by the Commission on Collegiate Nursing Education: www.aacnnursing.org/CCNE (<https://www.aacnnursing.org/CCNE>).

DNP application process

1. Submit an application to NursingCAS with all required documentation, including transcripts and references. Verified applications will be reviewed beginning January 1 for fall admission.
2. Submit the School of Nursing application fee via the link provided in NursingCAS application or pay application fee online through the Missouri State CashNET service. The application fee does not guarantee acceptance into the desired program of your choosing.
3. Submit evidence of graduation from a Bachelor of Science (BSN) program that is nationally accredited by a recognized accrediting organization for the BSN-DNP program. Graduates from international nursing programs or non-accredited programs will be considered on an individual basis.
4. Submit evidence of graduation from a Master of Science (MSN) program that is nationally accredited by a recognized accrediting organization for Post-Master's DNP. Graduates from international nursing programs or non-accredited programs will be considered on an individual basis.
5. Submit proof of licensure as a registered nurse (RN) without disqualification and eligible for licensure in the state in which clinical practicums will be completed. Post-Master's Advanced Nursing Practice nurses must submit a copy of their certification in their area of Advanced Nursing Practice.
6. Submit transcripts of all completed academic coursework. Post-Master's applicants must have a cumulative GPA of all previous graduate-level education coursework of 3.25 (on a 4.00 scale), BSN to DNP applicants must have a cumulative GPA of 3.25 for the last 60 hours of coursework attempted. Students who have less than a 3.25 GPA must submit verbal, quantitative, and analytical writing scores on the Graduate Record Examination General Test (GRE) (minimum Verbal: 150; Quantitative: 145; Analytical Writing: 3.5).
7. Submit proof of completion of all prerequisite courses. BSN to DNP requires: undergraduate human pathophysiology, nursing research, and health assessment courses with a grade of "C" or higher. In addition, healthcare informatics and graduate-level inferential statistics with a grade of "B-" or higher. Post-Master's requires: graduate human pathophysiology, graduate health assessment, graduate pharmacology, graduate epidemiology, graduate-level inferential statistics, and healthcare informatics, with a grade of "B-" or higher before the program begins. Admission will be contingent on the student completing prerequisite

- courses prior to enrolling in DNP courses. Applicants may contact the School of Nursing to get assistance with accessing any necessary prerequisite coursework that has not been completed.
8. Submit evidence of completed clinical practice experience that equates with one year minimum (two or more preferred) of full-time experience. Exceptions considered on individual basis.
 9. Meet the School of Nursing technical standards of the DNP program to successfully undertake the course of study (available by request from the program).
 10. Be prepared to meet the technical and technology proficiency requirement for online courses (available by request from the School of Nursing).

Additional requirements of the program

Following admission to the program:

1. Post-Master's applicants must submit completed Verification of Postbaccalaureate Clinical Practice Hours form.
2. Payment of a clinical tracking fee. See the School of Nursing website for a full list of program costs.
3. Apply and pay for the state/federal Background Check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would prohibit licensure as a registered nurse or completion of clinical experience.
4. Pay for and complete a urine drug screen without disqualifying results.
5. Submit proof of current professional liability insurance (limit \$1,000,000/aggregate \$6,000,000). For BSN to DNP students, the current professional liability insurance must be specifically for NP Student Liability.
6. Submit evidence of current health insurance.
7. Submit evidence of current American Heart Association (AHA) Basic Life Support (BLS) Online didactic course and written test are available for a fee for those students who need to recertify at <http://www.OnlineAHA.org>. No online skills testing will be accepted.
8. Submit evidence of current immunization or immune status (MMR, Tetanus, Varicella, Hepatitis B series) and a PPD or T-Spot (or documentation of appropriate follow up for PPD positive results).
9. Initiate and pay for any additional security checks and drug screenings required for placement into agencies for clinical experiences. Some agencies require annual screening and affidavits.

Retention requirements

To remain in the DNP program, the students must:

1. Maintain a GPA of 3.00, with no more than one course with a grade of "C", and no course with a grade of "D" or lower. Receive a "pass" in all clinical evaluations.
2. Complete all coursework within five academic years after admission into the DNP program. Continuous enrollment in the BSN-DNP program is required once FNP clinical courses are initiated.
3. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
4. Demonstrate acceptable professional progression in application of skills and knowledge in the Nurse Educator Certificate program.
5. Maintain current American Heart Association (AHA) Basic Life (BLS) certification, RN licensure, health and professional liability insurance, and all immunizations required by clinical agencies throughout the program.
6. Notify the School of Nursing within five (5) days in the event of any legal infractions or any actions taken against their nursing license, or any investigation of such incidences.

While the student's grades are important, retention in the DNP program considers the composite profile of a student's ability to perform at a satisfactory level in the academic and clinical component of the educational program.

The School of Nursing reserves the right to refuse enrollment or program continuation to any student. This refusal will be determined by the judgment of the DNP Program Director, the Graduate Admission, Progression, and Graduation (APG) Committee and the Director of the School of Nursing and based on the student's ability to successfully complete academic or clinical assignments or function effectively in the roles required in the DNP program. This includes the demonstration of characteristics associated with a professional nurse, including behaviors involving professionalism, ethics and integrity.

Technological requirements

The Missouri State University BSN to DNP Program uses a combination of online and on-campus modalities. Didactic online content may be delivered using asynchronous and synchronous formats. Applicants to the DNP program must be proficient using online learning management systems, word processing, spreadsheet management, and presentation graphics software. Students are expected to be able to manage files, navigate the internet, access resources, locate scholarly references from the library, and use a headset/microphone, computer camera, scanner and fax machine. Students who have deficiencies in these areas must seek training before the start of the program.

The School of Nursing uses a Blackboard course management system for all courses. Additionally, web conferencing software is used for synchronous course offerings and other experiences. Specific information on web conferencing software used in class will be provided in the course syllabus. Access to a personal computer/laptop with broadband/high speed internet connections, a web camera, and a headset with microphone are required.

Clinical experiences

Clinical FNP experiences for BSN to DNP students are individually arranged with preceptors, who have the appropriate educational and experiential qualifications. Students can complete their clinical experiences in their local community if sites and preceptors are approved by the School of Nursing. However, students should plan to travel outside of the local community for clinical experiences. All clinical sites and preceptors must be approved in advance by the FNP Program Coordinator and a contract must be established with the clinical site before any clinical experiences occur.

Requirements on campus

BSN to DNP students are required to be on campus for seated classes a minimum of one day a week, with potential for additional days depending on requirements of the course.

Post-Master's DNP students are required to be on campus a minimum of **one to** two times during the program. The date and times for these on-campus visits will be published annually, prior to the start of the academic year.

DNP-Family Nurse Practitioner: BSN to DNP

Course requirements: (79 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>NUR 701</u> | Nursing Science | 2 hrs |
| <u>NUR 703</u> | Population Health: A Local to Global Perspective | 3 hrs |
| <u>NUR 711</u> | Advanced Roles and Leadership in Nursing | 2 hrs |
| <u>NUR 730</u> | Family Practice I | 6 hrs |
| <u>NUR 734</u> | Advanced Physical Assessment and Clinical Reasoning | 6 hrs |
| <u>NUR 750</u> | Family Practice II | 6 hrs |
| <u>NUR 761</u> | Advanced Pharmacotherapeutics | 3 hrs |
| <u>NUR 762</u> | Prescriptive Practices for the Advanced Practice Nurse | 1 hr |
| <u>NUR 765</u> | Applications of Advanced Pathophysiology | 3 hrs |
| <u>NUR 770</u> | Family Practice III | 6 hrs |
| <u>NUR 772</u> | Advanced Research Methods in Nursing | 3 hrs |
| <u>NUR 790</u> | Family Nurse Practitioner Advanced Practice Practicum | 6 hrs |
| <u>NUR 800</u> | DNP Leadership I: Concepts for Evidence-Based Practice | 3 hrs |
| <u>NUR 802</u> | Emerging Science of Methods of Advanced Practice | 3 hrs |
| <u>NUR 810</u> | Finance Management and Entrepreneurship for Advanced Nursing Roles | 2 hrs |
| <u>NUR 824</u> | Health Policy to Improve Health Disparities | 3 hrs |
| <u>NUR 830</u> | DNP Leadership II: Impacting Disparities in Health and Healthcare | 6 hrs |
| <u>NUR 840</u> | Technology for Transforming Nursing and Health Systems | 2 hrs |
| <u>NUR 860</u> | DNP Leadership III: Transforming Systems | 6 hrs |
| <u>NUR 993</u> | Transforming Practice | 4 hrs |
| <u>PBH 710</u> | Clinical Epidemiology | 3 hrs |

Post-Master's DNP

Course requirements: (29 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| NUR 800 | DNP Leadership I: Concepts for EBP | 3 hrs |
| NUR 802 | Emerging Science and Methods of Advanced Practice | 3 hrs |
| NUR 810 | Finance Management and Entrepreneurship for Advanced Nursing Roles | 2 hrs |
| NUR 824 | Health Policy to Improve Disparities | 3 hrs |
| NUR 830 | DNP Leadership II: Impacting Disparities in Health and Healthcare | 6 hrs |
| NUR 840 | Technology for Transforming Nursing and Health Systems | 2 hrs |
| NUR 860 | DNP Leadership III: Transforming Systems | 6 hrs |
| NUR 993 | Transforming Practice | 4 hrs |



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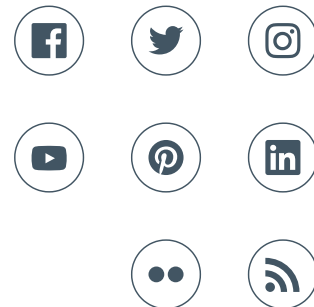
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Nurse Educator



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Certificate in Nurse Educator

Melissa R. Penkalski, Graduate Program Director

Kampeter Health Sciences Hall, Room 301, Phone, 417-836-8374

MelissaPenkalski@MissouriState.edu (mailto:MelissaPenkalski@MissouriState.edu)

The School of Nursing offers a Nurse Educator Certificate for nurses who have a Master's of Science in Nursing (MSN), or concurrent enrollment in a MSN program, and wish to obtain knowledge and skills used to teach in academic and non-academic settings. The Certificate consists of five courses, totaling a minimum of 12 credit hours and 240 practicum hours.

NE Certificate Application Process

1. Submit an application to Nursing CAS with all required documentation, including transcripts, and references.

2. Submit the School of Nursing application fee via the link provided in Nursing CAS application or pay application fee online through the Missouri State CashNET service. The application fee does not guarantee acceptance into the desired program of your choosing.
3. Submit evidence of graduation from a Master's of Science in Nursing (MSN) program, or concurrent enrollment, from a nationally accredited nursing graduate program, that includes, at a minimum, graduate courses in nursing theory and research.
4. Submit proof of licensure as a registered nurse (RN) without disqualification, and eligible for licensure in the State in which clinical practicums will be completed.
5. Submit transcripts of all completed academic coursework. Applicants must have a cumulative GPA of 3.25 (on a 4.00 scale) for the last 60 hours of coursework attempted. Students who have less than a 3.25 GPA must submit verbal, quantitative, and analytical writing scores on the Graduate Record Examination General Test (GRE) (minimum Verbal: 150; Quantitative: 145; Analytical Writing: 3.5).

Because of course constraints, only a limited number of students will be admitted to the Nurse Educator Certificate program. Complete applications are reviewed on an ongoing basis. Admission is on a space available basis. Students may pursue either part-time or full-time study; however, all course work in the Nurse Educator Certificate program must be completed within 5 years.

Additional requirements of the program

Following admission to the program:

1. Payment of a clinical tracking fee. See the School of Nursing website for a full list of program costs.
2. Apply and pay for the state/federal Background Check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would prohibit licensure as a registered nurse or completion of clinical experience.
3. Pay for and complete a urine drug screen without disqualifying results.
4. Submit proof of current professional liability insurance (limit \$1,000,000/aggregate \$6,000,000).
5. Submit evidence of current health insurance.
6. Submit evidence of current American Heart Association (AHA) Basic Life Support (BLS) Online didactic course and written test are available for a fee for those students who need to recertify at <http://www.OnlineAHA.org>. No online skills testing will be accepted.
7. Submit evidence of current immunization or immune status (MMR, Tetanus, Varicella, Hepatitis B series) and a PPD or T-Spot (or documentation of appropriate follow up for PPD positive results).
8. Initiate and pay for any additional security checks and drug screenings required for placement into agencies for clinical experiences. Some agencies require annual screening and affidavits.

Required courses (12 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| NUR 780 | Teaching/Learning for Health Care Educators | 3 hrs |
| NUR 781 | Nursing Education Practicum I | 3 hrs |
| NUR 782 | Program Development and Evaluation in Nursing Education | 2 hrs |
| | | |

| | | |
|-------------------------|--------------------------------------|-------|
| NUR 784 | Technologies in Nursing Education | 2 hrs |
| NUR 787 | Advanced Nursing Clinical Management | 2 hrs |

Retention requirements

To remain in the Nurse Educator Certificate program, the students must:

1. Maintain a GPA of 3.00, with no more than one course with a grade of "C", and no course with a grade of "D" or lower. Receive a "pass" in all clinical evaluations.
2. Complete all coursework within five academic years after admission into the Nurse Educator Certificate program.
3. Demonstrate acceptable professional progression in application of skills and knowledge in the Nurse Educator Certificate program.
4. Maintain current American Heart Association (AHA) Basic Life (BLS) certification, RN licensure, health and professional liability insurance, and all immunizations required by clinical agencies throughout the program.
5. Notify the School of Nursing within five (5) days in the event of any legal infractions or any actions taken against their nursing license, or any investigation of such incidences.

Technological requirements


The Missouri State University NE certificate uses a combination of online and on-campus modalities. Didactic online content may be delivered using asynchronous and synchronous formats. Applicants to the NE certificate must be proficient using online learning management systems, word processing, spreadsheet management, and presentation graphics software. Students are expected to be able to manage files, navigate the internet, access resources, locate scholarly references from the library, and use a headset/microphone, computer camera, scanner and fax machine. Students who have deficiencies in these areas must seek training before the start of the program.

The School of Nursing uses a Blackboard management system for all courses. Additionally, web conferencing software may be used for synchronous course offerings and other experiences. Specific information on web conferencing software used in class will be provided in the course syllabus. Access to a personal computer/laptop with broadband/high speed internet connections, a web camera, and a headset with microphone are required.



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Population Health



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Certificate in Post-Master's Population Health

Melissa R. Penkalski, Graduate Program Director

Kampeter Health Sciences Hall, Room 301; Phone: 417-836-8374

MelissaPenkalski@MissouriState.edu (mailto:MelissaPenkalski@MissouriState.edu)

Program description

The Post-Master's Population Health Certificate program prepares nurses who have a previous Master's in Nursing for the clinical role of population health management. Population health management improves the health of vulnerable populations and reduces health disparities. The certificate program includes both online didactic content and application of content in clinical experiences. The certificate may be taken as a full-time or part-time student.

The Post-Master's Population Health Certificate program can be a stand-alone certificate or used to fulfill the master's level clinical hours required for admission into the Doctor of Nursing Practice (DNP) program (PM DNP

Bridge program). The certificate program consists of six courses, totaling a minimum of 17 credit hours and 480 clinical hours.

PM Population Health Certificate Application Process

1. Submit an application to Nursing CAS with all required documentation, including transcripts, and references.
2. Submit the School of Nursing application fee via the link provided in Nursing CAS application or pay application fee online through the Missouri State CashNET service. The application fee does not guarantee acceptance into the desired program of your choosing.
3. Submit evidence of graduation from a Master's of Science in Nursing (MSN) program, or concurrent enrollment, from a nationally accredited nursing graduate program, that includes, at a minimum, graduate courses in nursing theory and research.
4. Submit proof of licensure as a registered nurse (RN) without disqualification, and eligible for licensure in the State in which clinical practicums will be completed.
5. Submit transcripts of all completed academic coursework. Applicants must have a cumulative GPA of 3.25 (on a 4.00 scale) for the last 60 hours of coursework attempted. Students who have less than a 3.25 GPA must submit verbal, quantitative, and analytical writing scores on the Graduate Record Examination General Test (GRE) (minimum Verbal: 150; Quantitative: 145; Analytical Writing: 3.5).

Because of course constraints, only a limited number of students will be admitted to the Post-Master's Population Health Certificate program. Complete applications are reviewed on an ongoing basis. Admission is on a space available basis. Students may pursue either part-time or full-time study; however, all course work must be completed within 3 years.

Additional requirements of the program

Following admission to the program:

1. Payment of a clinical tracking fee. See the School of Nursing website for a full list of program costs.
2. Apply and pay for the state/federal Background Check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would prohibit licensure as a registered nurse or completion of clinical experience.
3. Pay for and complete a urine drug screen without disqualifying results.
4. Submit proof of current professional liability insurance (limit \$1,000,000/aggregate \$6,000,000).
5. Submit evidence of current health insurance.
6. Submit evidence of current American Heart Association (AHA) Basic Life Support (BLS) Online didactic course and written test are available for a fee for those students who need to recertify at <http://www.OnlineAHA.org>. No online skills testing will be accepted.
7. Submit evidence of current immunization or immune status (MMR, Tetanus, Varicella, Hepatitis B series) and a PPD or T-Spot (or documentation of appropriate follow up for PPD positive results).
8. Initiate and pay for any additional security checks and drug screenings required for placement into agencies for clinical experiences. Some agencies require annual screening and affidavits.

Required courses

| Course Code | Course Title | Credit hrs |
|-------------|--------------|------------|
| | | |

| Course Code | Course Title | Credit hrs |
|--------------------------------|---|-------------------|
| <u>NUR 703</u> | Population Health: A Local to Global Perspective | 3 hrs |
| <u>NUR 704</u> | Population Health Practicum | 2 hrs |
| <u>NUR 705</u> | Population Health Management I | 3 hrs |
| <u>NUR 706</u> | Population Health Management II | 4 hrs |
| <u>NUR 880</u> | Leadership and Innovation in Nursing Practicum | 3 hrs |
| <u>NUR 896</u> | Independent Study in Community and Population Health Leadership | 2 hrs |

Retention requirements

To remain in the Post-Master's Population Health Certificate program, the students must:

1. Maintain a GPA of 3.00 or higher, with no more than one course with a grade of "C", and no course with a grade of "D or lower. Receive a "pass" in all clinical evaluations
2. Complete all requirements for the program by the 3rd year after admission to the Post-Master's Population Health Certificate program.
3. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
4. Demonstrate acceptable professional progression in application of skills and knowledge throughout the program.
5. Maintain current American Heart Association (AHA) Basic Life Support (BLS) certification, RN licensure, health and professional liability insurance, and all immunizations required by clinical agencies throughout the program.
6. The student must notify the School of Nursing within five (5) days in the event of any legal infractions or any actions taken against their nursing license, or any investigation of such incidences.

Technological requirements

The Missouri State University MSN Program uses a combination of online and on-campus modalities. Didactic online content may be delivered using asynchronous and synchronous formats. Applicants to the MSN program must be proficient using online learning management systems, word processing, spreadsheet management, and presentation graphics software. Students are expected to be able to manage files, navigate the internet, access resources, locate scholarly references from the library, and use a headset/microphone, computer camera, scanner and fax machine. Students who have deficiencies in these areas must seek training before the start of the program.

The School of Nursing uses a Blackboard management system for all courses. Additionally, web conferencing software may be used for synchronous course offerings and other experiences. Specific information on web conferencing software used in class will be provided in the course syllabus. Access to a personal computer/laptop with broadband/high speed internet connections, a web camera, and a headset with microphone are required.



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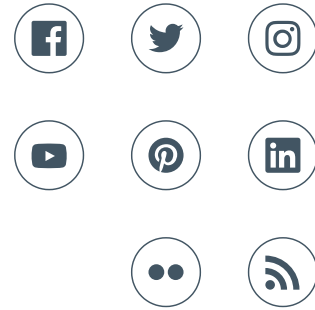
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Graduate Catalog

Department of Occupational Therapy

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Occupational Therapy](#) (MOT)

Contact

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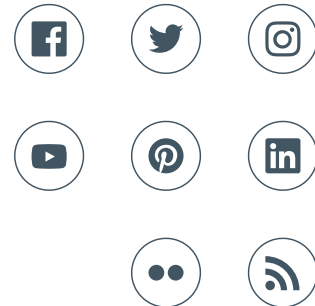
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Occupational Therapy Graduate Faculty

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- Ashlea D. Cardin
- Sapna Chakraborty

Assistant professors

- Mark Willey

Clinical assistant professors


- Tara L. Boehne
- Traci A. Garrison
- Gordon Tsubira




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Missouri State

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Occupational Therapy Courses

Occupational Therapy (OTE) courses

OTE 610 Foundations and Theory in Occupational Therapy

Prerequisite: admission to the Master of Occupational Therapy program.

This course establishes a foundation for how theory, frames of reference, and models guide occupation-based practice, as well as the history and development of the occupational therapy profession. The science of occupation key terms and concepts utilized in the field, current issues impacting occupational therapy, interprofessional practice, and professional ethics, values and responsibilities are discussed. The various areas of practice and specialization are also introduced.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Fall |

OTE 612 Occupational Development Through the Lifespan

Prerequisite: admission to Master of Occupational Therapy program.

The focus of this course is on the skill progressions in typical and atypical development and how these sequences impact occupational performance across the lifespan; environmental and cultural influences on development are also examined. The cognitive, psychosocial and physical aspects of the person on daily function are discussed in relation to occupation-based practice. The acquisition of values, roles, habits, temporal adaptations, interests and interprofessional collaboration are explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

OTE 615 Clinical Reasoning and Documentation

Prerequisite: OTE 610.

This course establishes the framework for documenting outcomes of occupation-based practice in an interprofessional environment, summarizes current theories and research about clinical and professional reasoning, and provides learning activities such as case studies designed to promote effective reasoning. Students will learn and apply effective documentation techniques used in the profession including electronic medical records.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

OTE 620 Psychosocial Perspectives in Occupational Therapy Practice

Prerequisite: OTE 610; and concurrent enrollment in OTE 680.

This course provides an overview of psychosocial conditions across the lifespan among various environments that impact client function in the areas of occupation, performance skills and performance patterns. Topics include, but are not limited to crisis intervention, therapeutic use of self, specific intervention strategies, group dynamics, types of groups, group protocol development, and interprofessional collaboration. Cultural and community perspectives of mental and physical health are also examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

OTE 624 Therapeutic Modalities

Prerequisite: OTE 610.

A study of the theory and application of various therapeutic modalities used in the treatment of many injuries, including ultrasound, diathermy, electrical stimulation, hydrotherapy, cryotherapy and thermotherapy. May be taught concurrently with ATC 324. Cannot receive credit for both OTE 624 and ATC 324.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

OTE 640 Evidence-Based Practice

Prerequisite: OTE 610.

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills in the client-centered and occupation-based practice. This course establishes a framework to develop interventions, promote health, well-being and community engagement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

OTE 645 Clinical Gross Anatomy

Prerequisite: admission to Master of Occupational Therapy program.

The course offers in-depth coverage of basic, applied, and clinical aspects of gross anatomy. An advanced, musculoskeletal anatomy course that emphasizes the study of functional relationships between musculature, nervous tissue, vascular, and skeletal components for the extremities and axial skeleton: Cadaver dissection laboratory experience is used to enhance understanding of three dimensional anatomical relationships for specific body regions. Students observe, discuss, teach, learn and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students (peer-teaching) in laboratory sessions, and assignments that rely on critical thinking. Identical with BMS 645. Cannot receive credit for both OTE 645 and BMS 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 5 | 3 | 6 | Fall |

OTE 646 Neuroscience

Prerequisite: OTE 645.

This course covers the foundations of neuroscience as they relate to the evaluation and treatment of occupational therapy clients. Topics include the properties of cells in the nervous system and major structures and functions of the central, peripheral, and autonomic nervous systems; sensory pathways, central processing and output mechanisms and how systems interact to influence occupational performance. Discussion of neurological diagnoses and theories for treatment is included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

OTE 650 Introduction to Biomedical Biomechanics

Prerequisite: OTE 645.

Biomechanical fundamentals and principles as they apply to the human organism; description of normal motion emphasizing orthopedic biomechanics and neuromuscular control. May be taught concurrently with BMS 450. Cannot receive credit for both OTE 650 and BMS 450.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

OTE 680 Fieldwork Level I, Part 1

Prerequisite: permission of Master of Occupational Therapy Program Director; and concurrent enrollment in OTE 620.

This course is designed to provide students familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. This experience will focus on psychosocial issues in occupational therapy. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Spring |

OTE 690 Fieldwork Level I, Part 2

Prerequisite: permission of Master of Occupational Therapy Program Director.

This course is designed to provide students with continued familiarity with a variety of clients, diagnoses, age ranges, and contexts; and to see the roles or potential roles of occupational therapists. This is a supervised, 35-40 hour fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. Must be repeated twice for a total of two hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Fall, Spring |

OTE 720 Conditions I: Cognitive Dysfunction

Prerequisite: OTE 620 and OTE 646.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common cognitive conditions impacting occupational performance. The effects of neurological conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among cognitive disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Summer |

OTE 725 Environmental Adaptations and Assistive Technology

Prerequisite: admission to Master of Occupational Therapy program.

Concepts, principles, selection and application of environmental adaptations and assistive technology to improve client function across the lifespan will be examined. Domains presented include, but are not limited to vision, hearing, communication, mobility, cognition, and environmental controls, and interprofessional collaboration. Modifications and high and low technology devices used in occupation-based practice will be discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Fall |

OTE 730 Conditions II: Physical Dysfunction

Prerequisite: OTE 720.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common physical conditions impacting occupational performance. The effects of physical conditions, disabilities, and disorders on individuals are examined within the cultural context of family, community, and society. Relationships among physical disorders, impairments, activity limitations, function/dysfunction, and participation restrictions are emphasized in relation to their impact upon occupation. Students begin to explore occupation-based assessment and treatment of the various conditions seen in interprofessional practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall |

OTE 732 Applied Research Methods in Health Care

Prerequisite: admission to Master of Occupational Therapy program.

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the student's respective health care discipline.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

OTE 745 Therapeutic Skills I: Practice with Adults and Older Adults

Prerequisite: OTE 720.

Provides an overview of scientific inquiry, assessment, intervention planning and implementation of occupation-based practice with adults and older adults aged 21 and older; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions most commonly seen in occupational and interprofessional practice within this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of adults and older adults.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall |

OTE 746 Management and Policy in Occupational Therapy Practice

Prerequisite: OTE 615.

This course introduces the student to the role of the occupational therapist as a manager and leader within the broader interprofessional health care system. Students are introduced to management functions, including fiscal management, marketing, and human resource functions. Discussion of regulatory systems, legal considerations, reimbursement mechanisms, current health care policy and emerging issues impacting health care practitioners is provided. Supervisory issues specific to the occupational therapist are explored. Students will identify and illustrate the role of occupational therapy in current policy issues regarding services to underserved communities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

OTE 750 Therapeutic Skills II: Practice with Children and Adolescents

Prerequisite: OTE 745.

Provides an overview of scientific inquiry, assessment, intervention planning, and implementation of occupation-based practice with children and adolescents from birth to age 20; special consideration is given to the context of the family, community, environment and culture. The effects of selected medical conditions more commonly seen in occupational and interprofessional practice with this age group are covered. Students gain practical experience through the lab portion of the course which includes observation, evaluation, and assessment of children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

OTE 760 Specialty Topics

Prerequisite: admission to Master of Occupational Therapy program.

Variable topics course. In-depth study of contemporary occupation-based practice. Each offering concerns a single topic. Topics of interest will cover areas related to prosthetics and orthotics, low vision, hand/upper extremities, splinting, and current professional issues, interprofessional collaboration, community engagement, clinical evaluation, client interventions, faculty expertise, and/or student interest or needs. Must be repeated for minimum of five hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

OTE 765 Community and Health Practice in Occupational Therapy

Prerequisite: admission to Master of Occupational Therapy program.

Coursework will focus on the science, theory and practice of occupational therapy in the promotion of health and wellness and the body's response to stress, illness or injury across the life span. An emphasis will be placed on the cultural and physical context of the community in which occupational and interprofessional healthcare practice occurs. This course integrates knowledge and skills for occupation-based practice to foster healthy development, prevent health problems, maintain optimal function, and enhance the occupational performance skills of individuals, families, and communities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Summer |

OTE 770 Professional Capstone: Issues, Diversity, and Ethics

Prerequisite: OTE 732.

This course integrates elements and issues of professional socialization, the process of taking on the identity of an occupational therapist, and internalizing the norms of the profession. Students will incorporate professional ethics, context of services, and current professional and interprofessional issues, clinical reasoning, client-centered practice and evidence-based decision-making into the occupational therapy process. Clinical scenarios related to diverse populations and practice domains will be utilized to synthesize occupation-based interventions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

OTE 780 Fieldwork Level II, Part 1

Prerequisite: completion of all didactic coursework; and permission of Master of Occupational Therapy Program Director.

This course is the first half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. This supervised, 12-week fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | | | Summer |

OTE 790 Fieldwork Level II, Part 2

Prerequisite: OTE 780; and permission of Master of Occupational Therapy Program Director.

This course is the second half of the final practice experience in the curriculum to develop competent, entry-level, generalist occupational therapists. Supervised fieldwork experience provides in-depth experience in delivering occupational therapy services to clients, focusing on the application of purposeful and meaningful occupation and/or research, administration and management of occupational therapy services. Students demonstrate an ability to evaluate, treat, document and discharge clients with a variety of conditions across the lifespan and in a variety of practice areas. Professionalism, clinical reasoning skills, reflective and ethical practice, and communication with clients, significant others and professional colleagues are enhanced. This in-depth supervised fieldwork will be in a different practice setting than Fieldwork Level II, Part 1. Students must complete a total of 12 weeks of Fieldwork Level II, Part 2 coursework in either one 12-week experience or two 6-week experiences. Must be repeated for a total of six hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Fall |

OTE 798 Research Project

Prerequisite: OTE 732; and permission of Master of Occupational Therapy Program Director.


In-depth scientific study of an occupation-based clinical problem of interest that culminates in a scholarly paper and formal community presentation. Must be repeated three times for a total of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | | | Fall, Spring, Summer |





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Master of Occupational Therapy

Sapna Chakraborty, Department Head and Program Director

O'Reilly Clinical Health Sciences Building, Room 203B

Phone: 417-836-8749

SapnaChakraborty@missouristate.edu (<https://search.missouristate.edu/people/?mail=SapnaChakraborty@MissouriState.edu>)

Program description

The Master of Occupational Therapy (MOT) entry-level curriculum prepares students to be reflective occupational therapy practitioners in traditional and emerging areas of practice. Occupational therapists work with people across the lifespan to promote and facilitate participation in all aspects of daily life through the therapeutic use of occupations (life activities). The program prepares graduates to practice in a variety of settings such as hospitals, homes, private practices, rehabilitation facilities, schools, community and governmental agencies, industry, and education or research centers.

Accreditation

The entry-level occupational therapy master's degree program is accredited by the [Accreditation Council for Occupational Therapy Education \(ACOTE\)](http://www.aota.org/Education-Careers/Accreditation.aspx) (<http://www.aota.org/Education-Careers/Accreditation.aspx>) of the [American Occupational Therapy Association](http://www.aota.org/) (<http://www.aota.org/>), located at 6116 Executive Boulevard, Suite 200, North Bethesda, MD 20852-4929. ACOTE's telephone number c/o AOTA is 301-652-AOTA and its Web address is www.acoteonline.org (<http://www.acoteonline.org>). Graduates of the program will be eligible to sit for the national certification examination for the occupational therapist administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be an Occupational Therapist, Registered (OTR). In addition, all states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination. Note that a felony conviction may affect a graduate's ability to sit for the NBCOT Certification Examination or attain state licensure.

The students must complete all graduation and fieldwork requirements in a timely manner. All Level II fieldwork must be completed within 24 months following completion of the didactic portion of the program.

Admission Requirements

To be considered for admission to the Master of Occupational Therapy (MOT) Program, a prospective student must apply to the MSU Master of Occupational Therapy Program via the Occupational Therapist Centralized Application Services (OTCAS) (www.otcas.org) (<http://www.otcas.org>). Only applicants who are **accepted** into the MOT Program will be required to submit an application to the Graduate College and pay the non-refundable application fee per the MSU Graduate College policy.

Full admission to the MOT program is competitive; not all that apply will be admitted. Students who are not accepted into the program may apply for the next application deadline. Complete applications will be reviewed by the MOT Program Admissions Committee. A select number of applicants will be invited for a personal interview. Phone or Skype interviews will be permitted for students living a distance of more than 100 miles from Springfield, MO.

Selection for an **interview and final admission decisions** will be based on the following:

1. Submission of an application to the OTCAS that must include a personal statement (following OTCAS requirements); two letters of recommendation that include one letter from an academic source (advisor, instructor, etc.), and one letter from a licensed occupational therapist, documented evidence of a minimum of 20 hours of observation of occupational therapy. Observation in at least two different areas of practice is encouraged;
2. A cumulative grade point average (GPA) of no less than 3.00 on a 4.00 scale;
3. Submission of official Graduate Record Examination (GRE) scores taken within the last five years prior to application to OTCAS with a preferred minimum score of 153 in Verbal Reasoning, 150 in Quantitative Reasoning, and 3.5 in Analytical Writing (code 7148);
4. International applicants for whom English is not the native language are required to submit minimum scores of 550 on the paper-based, or a comparable score of 213 on the computer-based test, or a comparable score of 79 on the internet-based Test of English as a Foreign Language (TOEFL);
5. Possession of a baccalaureate degree from a regionally accredited institution prior to matriculation. The undergraduate degree may be in any field, but students must complete the following prerequisites (or their equivalents) listed below with a "C" or higher prior to entering the program:
 - English: 6 hrs ([ENG 110](#) and [ENG 210](#) (GEC 105)
 - College Algebra or higher: 3 hrs ([MTH 135](#) or higher)
 - Statistics: 3 hrs ([MTH 340](#), [MTH 545](#), [QBA 237](#), [PSY 200](#), [SOC 302](#), [BIO 550](#))

- Algebra-Based Physics with lab: 3-4 hrs ([PHY 123](#))
 - Introductory Chemistry with lab: 4-5 hrs ([CHM 116](#) and [CHM 117](#) or [CHM 160](#) and [CHM 161](#))
 - Introductory Psychology: 3 hrs ([PSY 121](#))
 - Abnormal Psychology: 3 hrs ([PSY 304](#))
 - Human Development over the Lifespan: 3 hrs ([CFD 155](#); may be met by completing sequence of courses covering development across the lifespan in Psychology – [PSY 331](#), [PSY 350](#), and [PSY 441](#))
 - General Biology/Biomedical Sciences with lab: 4-5 hrs ([BIO 121](#), or [BMS 110](#) and [BMS111](#))
 - Human Anatomy with lab: 4 hrs ([BMS 307](#))**
 - Human Physiology with lab: 4 hrs ([BMS 308](#))**
 - **If students take a combined course, it must be taken across two semesters for a total of at least 8 credit hours to meet admission criteria; a single combined anatomy and physiology course WILL NOT be accepted.
 - Introductory Sociology or Cultural Anthropology: 3 hrs ([SOC 150](#), [ANT 125](#))
 - Medical Terminology: 1-3 hrs ([LLT 102](#))
 - U.S. Government or U.S. History: 3 hrs ([PLS 101](#), [HST 121](#), [HST 122](#))
6. Provide evidence of current CPR and AED certification.

Once accepted to the MOT program, **all** students must provide the following:

1. Submit a non-refundable confirmation deposit of \$500 to the MOT Program to reserve a seat in the incoming class. Upon matriculation into the MOT Program, this fee will be applied to the fall session tuition;
2. Evidence of current physical examination indicating good physical health, a TB skin test or chest X-ray and up-to-date immunizations (MMR, tetanus, and a complete Hepatitis B Series);
3. Applicants must have the capacity for performance of the technical standards and tasks required of an occupational therapist;
4. Students will be required to initiate and pay for any additional security checks and annual drug screening required by clinical agencies. Students must submit drug screening test and criminal record check and receive response that the student has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would prohibit licensure as an Registered Occupational Therapist.*
 - *Students who fail these checks or procedures will be subject to further review by the MOT Program Admissions Committee. This may result in dismissal from the MOT Program;
5. Students will be responsible for the cost of professional memberships, as well as any other cost associated with their program of study (including but not limited to: liability insurance, health insurance, program uniform, student practice kit, travel related to fieldwork placement, etc.). Students will receive details on these costs as part of the application process.
6. The American Occupational Therapy Association has an *Occupational Therapy Code of Ethics and Ethics Standards* to which all MOT students will adhere; students will respect the rights and dignity of all individuals;
7. Matriculated students must enroll on a full-time basis and progress through the program with their class.

MOT Transfer of Credit Policy

On a case-by-case basis, the MOT Admissions Committee may accept graduate credit earned at a regionally accredited entry-level master of occupational therapy program. Acceptance of transfer credits on a graduate degree program occurs through recommendation of the student's major advisor at the institution of program of study, the MOT Admissions Committee, and approval of the MSU Graduate College. Transfer hours may count for up to 30% of the Program of Study. Transfer credits must have been earned within five-years of the time of admission to the MOT program. Grades on transfer courses accepted in the degree program are included in the overall graduate grade point average.

A student requesting transfer credit is responsible for providing an official course syllabus from the school from which the student received the academic credit. The syllabus will be reviewed in terms of the 2011 OT Master's Level Standards assigned to the MSU course. If the objectives are directly aligned with the MSU OT objectives for the course and the student earned a B or higher, transfer credit may be granted for an MSU MOT course.

MOT Experiential Learning/Work Experience Related Policy

Work experience will not be awarded credits required to graduate from the MOT program. The MOT admission committee and the program director will determine if previous work experience may be counted as the observation or volunteer hours needed for admission to the program.

MOT Advance Placement Policy

Advanced (accelerated) course placement in the MOT Program is not offered. This does not refer to high school advanced placement (AP) credits, which may or may not be applied toward MOT Program

prerequisites: <https://www.missouristate.edu/admissions/advancedplacement.htm>

(<https://www.missouristate.edu/admissions/advancedplacement.htm>)

Retention requirements

After admission into the MOT Program, a student must achieve the following for retention in the program:

1. Maintain a GPA of 3.00, with no more than 9 semester hours of graduate work below a grade of "B", and no hours of graduate work below a "C".
2. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of healthcare professionals.
3. Demonstrate acceptable professional progression in application of skills and knowledge.
4. Maintain current health and liability insurance.
5. Maintain current CPR and AED certification.
6. Students must complete Level II Fieldwork and experiential requirements within 24 months following completion of the didactic portion of the program.

Students who fail to meet the retention criteria may:

1. Be placed on academic or clinical probation in the MOT Program, or
2. Be dismissed from the Program, based on the judgment of the majority of the MOT faculty. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission into the MOT Program. Students have the right to follow the University's appeal process on any disciplinary sanction received.
3. Students should refer to the Missouri State University Occupational Therapy Student Handbook for additional policies and procedures.

Degree requirements

Academic Advisor. After admission to the graduate program, the student will be assigned an academic advisor who will supervise the student's graduate program and chair the candidate's graduate committee.

Core Courses (76 hours)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>OTE 610</u> | Foundations and Theory in Occupational Therapy | 4 hrs |
| <u>OTE 612</u> | Occupational Development Through the Lifespan | 3 hrs |
| <u>OTE 615</u> | Clinical Reasoning and Documentation | 2 hrs |
| <u>OTE 620</u> | Psychosocial Perspectives in Occupational Therapy Practice | 3 hrs |
| <u>OTE 640</u> | Evidence-Based Practice | 2 hrs |
| <u>OTE 645</u> | Clinical Gross Anatomy | 5 hrs |
| <u>OTE 646</u> | Neuroscience | 4 hrs |
| <u>OTE 650</u> | Introduction to Biomedical Biomechanics | 3 hrs |
| <u>OTE 680</u> | Fieldwork Level I - Part 1 | 1 hr |
| <u>OTE 690</u> | Fieldwork Level I - Part 2 | 2 (1 hr each) |
| <u>OTE 720</u> | Conditions I: Cognitive Dysfunction | 3 hrs |
| <u>OTE 725</u> | Environmental Adaptations and Assistive Technology | 2 hrs |
| <u>OTE 730</u> | Conditions II: Physical Dysfunction | 4 hrs |
| <u>OTE 732</u> | Applied Research Methods in Healthcare | 2 hrs |
| <u>OTE 745</u> | Therapeutic Skills I: Practice with Adult and Older Adult | 4 hrs |
| <u>OTE 746</u> | Management and Policy in Occupational Therapy Practice | 3 hrs |
| <u>OTE 750</u> | Therapeutic Skills II: Practice with Children and Adolescents | 4 hrs |
| <u>OTE 760</u> | Specialty Topics | 5 (1 hr each) |
| <u>OTE 765</u> | Community and Health Practice in Occupational Therapy | 2 hrs |
| <u>OTE 770</u> | Professional Capstone: Issues, Diversity and Ethics | 3 hrs |
| <u>OTE 780</u> | Fieldwork Level II-Part 1 | 6 hrs |
| <u>OTE 790</u> | Fieldwork Level II- Part 2 | 6 hrs |
| <u>OTE 798</u> | Research Project | 3 (1 hr each) |

Elective Courses. Students are not required to complete any elective courses but are welcome to work directly with their advisor and committee to determine if elective courses should be completed to strengthen their plan of study.

Comprehensive Examination. Students must pass a comprehensive exam which is implemented in the curriculum as computer-based competency testing.

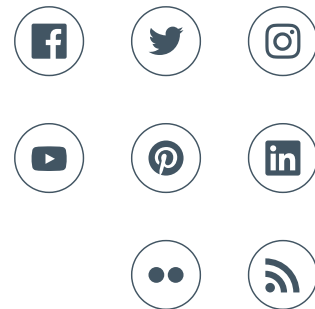


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- Commission on Accreditation in Physical Therapy Education – Doctor of Physical Therapy (DPT)

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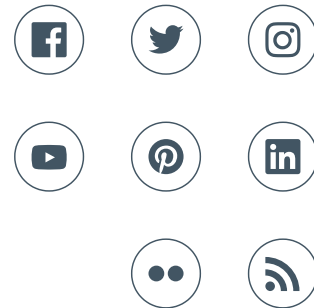
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Adjunct clinical faculty

Richard Maas

Associate professors

Jeanne L. Cook

Sean C. Newton

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Assistant professors

Patricia A. Cahoj

Marcia Himes

Jason Shaw

Per course faculty

Aaron Adler

Allison Adler

Zachary Heath Ball

Michael Barker

Robert Behnke

Caitlin Buening

Kristen Cleveland

Todd Daniel

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Physical Therapy Courses

Physical Therapy (PTE) courses

PTE 707 Medical Human Anatomy

Prerequisite: admission to the program or permission of the department head of Physical Therapy.

This course offers an in-depth coverage of basic, applied, and clinical aspects of gross anatomy. Students observe, discuss, teach, learn, and dissect all body systems in detail. This course incorporates traditional didactic lectures, discussions, laboratory dissection, students teaching students in laboratory teaching sessions, and assignments that rely on critical thinking. Course will include on-site and blended components to facilitate integration of content and principles related to physical therapy. Must be admitted to the Doctor of Physical Therapy program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 9 | Summer |

PTE 710 Introduction to Physical Therapy

Prerequisite: admission to the program.

This course provides an overview of physical therapy, including the history of physical therapy and the APTA, and the physical therapist's professional responsibilities. This information is combined with the acquisition of skills and knowledge necessary to be successful in managing patients. The topics that are discussed in Professional Issues I, e.g., Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guidelines for Professional Conduct, are "transformed" into practical skills that are necessary to professionally interact with patients. Hence this course combines these concepts with the skills necessary to provide patient care. These skills include the assessment of vital signs, basic measurement techniques, examination of the body,

ensuring patient safety, infection control, using proper body mechanics, using appropriate transfers, gait training, and basic documentation, and patient and family education. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Fall |

PTE 711 Professional Issues I

Prerequisite: admission to the program.

This course provides an overview of physical therapy and the physical therapist's professional responsibilities. Information regarding the Code of Ethics, the Guidelines for Physical Therapy Documentation, and the Guide for Professional Conduct are essential components of this course. This course focuses on the psychological and social aspects of communication in health care and providing care and services to patients. This includes patients' rights, the psychological impact of illness, social considerations such as gender, race, culture and ethnicity. These concepts are integrated using case studies of various patient-therapist situations. This course may be taught as a blended course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Summer |

PTE 712 Clinical Biomechanics for Physical Therapy

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides the basis for understanding human movement. Content includes study of the mechanical properties of musculoskeletal tissues (bone, muscle, cartilage, ligament and tendon). It also includes foundations to understand the physics of human movement (forces and moments, joint lever types, understanding joint forces through two-dimensional vector problems and static equilibrium equations). It also includes the study of the movement, muscle function, and dynamics of upper and lower limbs. Students study interactions in structure and neuromuscular control of the limbs as they relate to understanding normal and abnormal human movement. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Summer |

PTE 713 Embryology

Prerequisite: admission to the program.

In this course students will examine how prenatal development explains structures and functions of the human body. This course describes the major features of embryology, maturation of the fetus, changes that occur during pregnancy and childbirth. Included in this course will be discussions of birth defects and the potential cause of these defects. This course will cover the major systems of interest to physical therapy such as musculoskeletal system, cardiopulmonary system and neurological systems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

PTE 714 Imaging Analysis in Physical Therapy Practice

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the analysis and interpretation of diagnostic images of patients with a variety of impairments or dysfunctions of the musculoskeletal, cardiopulmonary, nervous, and circulatory systems as they apply to contemporary physical therapy practice. Various imaging techniques will be incorporated into case studies which will be used to emphasize incorporation of image findings into the process of patient management. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 1 | Spring |

PTE 720 Neuroanatomy-Neuroscience

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the gross anatomy and applied function of the central and peripheral nervous systems. Normal anatomy and function is compared and contrasted with abnormal anatomy and function due to disease or injury.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Fall |

PTE 721 Professional Issues II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on employment settings, legal issues regarding Physical Therapist Assistants, the structure of the American Physical Therapy Association, regulations, policies, practice acts, federal legislation, and direct access to patients. Additionally, this course focuses on the legal aspects of professional life including basic

elements of contract law, criminal law, educational law, employment law, insurance law, and business law. Students continue to develop an Individual Clinical Internship Plan with specific goals and objectives and select clinical sites for Clinical Internship I - II. Case studies and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

PTE 722 Physical Agent and Mechanical Modalities

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes thermal modalities (diathermy, therapeutic heat and cold, therapeutic ultrasound, low-power lasers, ultraviolet therapy) and mechanical modalities (spinal traction, intermittent compression devices, continuous passive movement devices, therapeutic soft tissue mobilization, and massage). In addition, the underlying scientific principles and clinical uses of physical agents and mechanical modalities are described. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Spring |

PTE 723 Patient Management: Musculoskeletal I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Fall |

PTE 726 Clinical Kinesiology for Physical Therapy

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides the basis for understanding human movement and is a continuation of Clinical Biomechanics of Physical Therapy. Content includes study of movement, muscle function and dynamics of the axial body (craniomandibular complex, spinal column, neck, trunk, and pelvis). Content also includes basic principles of neuromuscular control, especially in the context of human functions which integrate multiple body segments, namely posture and gait, applied to normal and pathological conditions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Fall |

PTE 730 Motor Control/Motor Learning

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine the framework necessary to apply current theory and research on motor control and motor learning to the practice of physical therapy. This course extends the information covered in Neuroanatomy - Neuroscience by discussing the neurophysiological basis of motor control and motor learning. Through the use of case studies and integrative experiences, students will apply principles of motor control, motor learning, and motor development to treat postural and mobility dysfunctions. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. This course may be taught as a blended course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

PTE 731 Pathophysiology/Differential Diagnosis I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers pathological conditions and their implications for Physical Therapists. All major systems of the body are studied. The pathophysiological portion of the course integrates the knowledge acquired in physiology with abnormal physiology caused by pathology. Case studies are used to integrate concepts in patient management related to pathology and pathophysiology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PTE 732 Electrotherapeutic Modalities and Clinical Electrophysiology

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes electrotherapeutic modalities and clinical electrophysiologic testing. In addition, the underlying scientific principles and clinical uses and application of electrotherapeutic modalities and clinical electrophysiologic testing are incorporated. Major topics in this course include: electrical stimulation of muscle, electrical stimulation to control posture and movement (FES/NMES), electrical stimulation to control pain, electrical stimulation to promote tissue healing, iontophoresis, electroneuromyography, EMG, NCV, and biofeedback. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Summer |

PTE 733 Patient Management: Musculoskeletal II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal I. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included, stressing the integration of knowledge and skills. Treatment techniques include (but are not limited to) the use of soft tissue mobilization, myofascial release, therapeutic exercise, and basic joint mobilization. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Spring |

PTE 737 Clinical Internship I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides an introduction to the clinical education component of the curriculum, as well as a four week, full-time clinical internship. Learning styles will be discussed, as well as how clinically-based learning may differ from classroom or laboratory experiences. Students will continue to develop their clinical internship plan and specific goals and objectives for this Clinical Internship. Students will complete a case study or present an "in-service" while on the four week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | | | Summer |

PTE 740 Research Methods and Design

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine the various types of research, as well as the differences, similarities, and overlaps between them. Specific topics include types of research designs (experimental and non-experimental research), formulation of research questions/hypothesis, issues on ethics, informed consent, control group, measurement, variables, bias, data collection and analysis, and validity of conclusion. Students will begin developing their research projects and acquire skills requisite for using scientific evidence for effective patient care.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

PTE 741 Pathophysiology/Differential Diagnosis II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will examine systems assessments necessary to screen patients for disorders and diseases that require referral to other healthcare providers. It prepares students for autonomous practice in a medical environment in which consumers will have direct access to physical therapy services. This course covers muscular, skeletal, neurological, cardiovascular, pulmonary, hematologic, gastrointestinal, renal, urological, hepatic, and endocrine diseases. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

PTE 743 Patient Management: Neuromuscular I

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course emphasizes the management of patients (children and adults) who have neurological diagnoses. Specific pathologies to be discussed include balance and vestibular disorders, disorders of the spinal cord, genetic disorders, and neuromuscular disease. Case studies, laboratory experiences, and integrative experiences are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Spring |

PTE 744 Patient Management: Cardiovascular and Pulmonary Problems

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course presents an overview of cardiac, vascular, and pulmonary physical therapy. It integrates foundational information such as anatomy, physiology, exercise physiology, embryology, histology, pharmacology, pathology, and pathophysiology into a meaningful basis on which patient management strategies are based. This course introduces the student to cardiovascular and pulmonary assessments, interventions, and outcome analyses. The course includes information specific to pediatric, adolescent, adult, and geriatric patients.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Spring |

PTE 747 Clinical Internship II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides for continuing development of clinical skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship II. Students will complete a case study or present an "in- service" while on the six week internship write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | | | Fall |

PTE 750 Research and Outcome Analysis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on the management of data generated by research and outcome analyses. It will fully integrate the use of statistical methods, understanding the results of applying these methods, and making inferences or conclusions based upon the data analysis. It also addresses the larger scope of disseminating this information, professional responsibility to the public to generate meaningful data, and methods of critically analyzing results and conclusions drawn by others. In the latter portion of the course, students identify their research interests, choose or are assigned a research advisor and write a research project proposal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

PTE 753 Patient Management: Neuromuscular II

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Patient Management: Neuromuscular I. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cerebral palsy and cerebrovascular accidents. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Summer |

PTE 754 Patient Management: Special Considerations Across the Life Span

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students will review biological, psychological, and sociocultural theories of maturation and aging of human beings applicable to the practice of physical therapy. Through case studies, laboratory experiences, and integrative experiences, students will compare and contrast the maturation and aging process of individuals with and without disabilities; will understand how health, fitness, and physical activity contribute to quality of life; and will apply principles learned to the examination, evaluation, and treatment of individuals of all ages. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Spring, Summer |

PTE 756 Patient Management: Integumentary

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is correlated with information provided in Pathology-Pathophysiology, Neuroanatomy-Neuroscience I and II, and in Physical Agents, Mechanical Modalities, and Electrotherapeutic Modalities. Specific topics that are discussed include (but are not limited to) the prevention of skin disorders, management of burns and other open wounds, and the use of specific modalities to facilitate wound repair.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 3 | Summer |

PTE 757 Clinical Internship III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides for clinical practice of developing skills in the form of a six week, full-time clinical internship. Students will continue to develop their clinical internship plan and specific goals and objectives for Clinical Internship III. Students will complete a case study or present an "in-service" while on the six week internship, write a short, reflective paper, and meet the requirements established by the program and the clinical facility.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | | | Spring |

PTE 760 Management of Research Projects

Prerequisite: admission to the program.

Application of the research process via supervised study of a selected problem culminating in completion of an extensive scholarly product. Variable content course. Course must be repeated for a total of 6-12 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-2 | | | Fall, Spring, Summer |

PTE 761 Contemporary Issues in Professional Practice

Prerequisite: admission to the program.

This course focuses on some of the more specialized areas of physical therapy. This includes diseases, conditions, or practice areas such as women's health, osteoporosis, pelvic floor dysfunction, pregnancy, sports medicine, chronic pain, management of persons with AIDS and HIV infection, lymphedema, selected problems in human behavior, ergonomics, and industrial health and physical therapy. Alternative and holistic therapies are discussed, as well as their relationship and integration with patient rehabilitation. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Summer |

PTE 762 Medical Pharmacology

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on medical pharmacology, particularly those aspects that significantly impact the practice of Physical Therapy. Specific topics include drugs that affect the autonomic nervous system, the cardiovascular system, the central nervous system, and the endocrine system. In addition, anti-inflammatory, antiviral, antibacterial, and chemotherapeutic drugs are discussed. Case studies augment clinical information and emphasize patient management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

PTE 763 Patient Management: Neuromuscular III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Patient Management: Neuromuscular 1 and II. This course emphasizes the management of patients (children and adults) who have neurological diagnoses including cognitive disorders, encephalopathies, multiple sclerosis, Parkinson disease, and brain injuries. Case studies, laboratory experiences, and integrative experiences may be used to emphasize the process of patient management. General and specific examination and treatment techniques are included stressing the integration of knowledge and skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Fall |

PTE 764 Patient Management: Exercise Physiology, Nutrition, and Wellness

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the effects of physical activity on human performance across the life span. The effects of exercise (or lack thereof) are considered for each system in the body. Strategies for improving physical performance in a variety of settings are considered, as well as fundamental principles of good health in relation to exercise.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Fall |

PTE 765 The Physical Therapist as Educator

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on educational theories and methodology relevant to the physical therapist in a variety of physical therapy settings. These topics are discussed in the context of promoting optimal health, preventing

injury and illness, and promoting wellness. Upon completion of this course, the student will be able to utilize educational concepts and theories in the design, implementation, and evaluation of learning experiences used in the education of the community, industry, patients, families, students, colleagues, and self.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

PTE 767 Health Care Systems and the Physical Therapist

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an introduction to the various health care delivery systems in the United States, and provides a synopsis of the health care systems found in countries other than the United States. This course allows students to explore the provision of physical therapy services within the constraints of the existing health care systems, and to identify community needs, and resources.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

PTE 773 Patient Management: Musculoskeletal III

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course builds on the knowledge and skills acquired in Patient Management: Musculoskeletal 1 and II. This course emphasizes the management of patients with musculoskeletal dysfunctions of the appendicular and axial skeleton. Case studies are used to emphasize the process of patient management, i.e., examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment. Sophisticated examination and manual mobilization techniques are covered in detail.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Summer |

PTE 785 Histology and Tissue Biology

Prerequisite: enrollment in the program and successful completion of all prior course work therein, and permission of instructor.

Course emphasizes the structure and basic function of all the major tissues and cell types in the human body. Includes normal cell and tissue morphology and the adaptations that occur as a result of various stimuli both normal and abnormal. This is a variable content course. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 800 Advanced Topics in Geriatrics

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

In this course students gain insight into physical therapy related to the elderly population, their special needs and physiological changes, living environments, resources, etc. For an additional credit hour of this course, students are encouraged to develop further knowledge, skills, etc., with the elderly population. Based upon student interest and instructor approval, students may pursue additional in-depth study in areas such as (but not limited to): education, skill development, service-learning, investigation, psychomotor skills, psychosocial issues, healthcare system, reimbursement, etc., related to geriatrics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 801 Vestibular Rehabilitation

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course describes the anatomy and physiology of the vestibular system and an overview of various pathologies associated with patient complaints of vertigo, dizziness, and balance disorders. Principles of examination, evaluation, assessment, and rehabilitation of the patient with impairment of the vestibular system and/or impaired balance are described and performed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 802 Advanced Regional Anatomy

Prerequisite: Enrollment in the program and permission of instructor.

This is a variable content course offering in-depth coverage of basic, applied, and clinical aspects of gross anatomy of one or more of the following regions: head and neck, upper extremity, trunk, and lower extremity. Students observe, discuss, teach, learn and dissect selected body systems in detail. This course may incorporate traditional didactic lectures, problem based discussions, laboratory dissection with assignments that rely on critical thinking. Students relate anatomical structure to functional relations and correlate structure with clinical assessments and treatments. Students make oral presentations and use the library and other sources of information (such as the internet) to learn. Course may be repeated up to a maximum of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 803 Advanced Topics in Musculoskeletal Physical Therapy

Prerequisite: Enrollment in the program and permission of instructor.

This is a variable content course emphasizing the management of patients with musculoskeletal dysfunction focusing on research, differential diagnosis and advanced manual examination and treatment techniques. Case studies are used to emphasize the evidence-based process of patient management, i.e., examination, assessment, diagnosis, prognosis treatment, analysis of functional outcomes, and re-assessment. Students will focus on management of musculoskeletal dysfunction relation to one or more of the following regions: the upper extremity, the pelvis and lower extremity, or the spine and sacroiliac joint. Course may be repeated up to a maximum of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 804 Advanced Topics in Pediatrics

Prerequisite: enrollment in the program and permission of instructor.

This is a variable content course designed to allow students to develop their cognitive, psychomotor or affective skills at an advanced level in the area of physical therapy for children. The course may involve readings, projects, and direct clinical experiences individually contracted between the instructor and the student. Course may be repeated up to a maximum of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

PTE 871 Physical Therapy Management and Administration

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course will provide students with opportunities to develop managerial and supervisory skills in healthcare settings where physical therapy is provided. Students will apply business and leadership principles through development of a physical therapy business. Understanding of business principles is demonstrated including facility planning, determining and utilizing appropriate business structure, financial management, leadership and communication skills, risk management, legal considerations, and use of consultants. Additionally, students are

provided with opportunities to learn and apply management skills through involvement with community partners functioning in leadership positions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PTE 872 Orthotics, Prosthetics, and Assistive Technologies

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course covers limb amputations, orthotic and prosthetic devices, and splints. The use of orthoses, prostheses, and splints is fully integrated into principles of patient management. Advanced wheelchair prescriptions are discussed, as well as advanced technologies (computer technologies, etc.) that are useful in rehabilitation including occupational and industrial therapies and devices.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

PTE 873 Patient Management: Advanced Differential Diagnosis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course focuses on managing patients using a "life-long" conceptual basis. It stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Critical thinking is an integral part of this course. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient/client management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Integral to this course will be the use of case-based learning modules.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PTE 877 Clinical Internship IV

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides continued clinical practice of skills in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship IV. Students will complete a case study or present an "in-service" while on the eight-week

internship, write a short, reflective paper, and meet the requirements established by the Program and the clinical facility. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 8 | | | Fall |

PTE 880 Research Seminar

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course is an extension of Management of Research Projects. Students will present their scholarly work to faculty and fellow students as a platform or poster presentation. Variable content course. Graded Pass/Not Pass.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Spring |

PTE 883 Patient Management: Critical Integration and Analysis

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course stresses the importance of being proactive in resolving complex issues, particularly those that impact patients for a lifetime. Cost effectiveness, efficiency, long-term planning, and using the best adaptive equipment for the long-term are emphasized. The elements of patient management as described in The Guide to Physical Therapist Practice are used to guide the clinical decision making process. Critical thinking is an integral part of this course. The course will culminate with the preparation of complex case studies of patients treated by each student while on Clinical Internship IV and V and the presentation of these case studies to student peers and faculty in a teaching seminar. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Spring |

PTE 887 Clinical Internship V

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides clinical practice in the form of an eight-week, full-time clinical internship. Students will continue to develop their global clinical internship plan, while writing specific goals and objectives for Clinical Internship V. Students will complete a case study or present an "in-service" while on the eight-week internship, write a short reflective paper, and meet the requirements established by the program and the clinical facility.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 8 | | | Spring |

PTE 888 Clinical Internship VI

Prerequisite: enrollment in the program and successful completion of all prior course work therein.

This course provides clinical practice in the form of a six-week, full-time clinical internship. Students must meet the requirements established by the Program and the clinical faculty. After completion of Clinical Internship VI and upon their return to campus, students will enter a period of in-depth self-analysis and reflection concerning Clinical Internship VI and the entire clinical education experience.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | | | Spring |



Missouri State

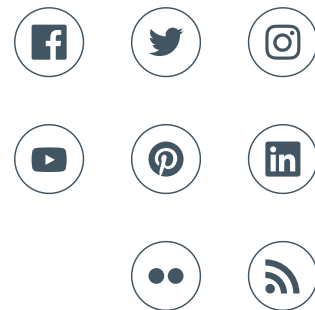
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Scott W. Wallentine, Admissions Coordinator

McQueary Family Health Sciences Hall, Room 204

Phone 417-836-4514; SWallentine@missouristate.edu (mailto:SWallentine@missouristate.edu)

The Department of Physical Therapy offers a Doctor of Physical Therapy (DPT) program for individuals wanting to enter the profession of physical therapy.

The Doctor of Physical Therapy program at Missouri State University is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314;

telephone: 703-706-3245; email: accreditation@apta.org
(<mailto:accreditation@apta.org>); website: <http://www.capteonline.org>
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If needing to contact the program/institution directly, please call 417-836-6179

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DPT program description

The Physical Therapy curriculum focuses on the academic and clinical foundations necessary for a career in physical therapy. Program graduates are prepared to examine patients with impairments, functional limitations, and disabilities (or other health-related conditions) in order to determine a diagnosis and prognosis relevant to physical therapy. They will be able to design, implement, and modify therapeutic interventions to produce changes in their patients' conditions. Graduates will be prepared to offer a variety of additional services including: (1) prevention, wellness and health promotion; (2) consultation with patients, clients, and other health care professionals; (3) screening to identify individuals at risk, or in need of, physical therapy; (4) educating patients, the general public, local, state, and federal health agencies, and other health care professionals; (5) clinical and basic science research; and (6) administration including direction and supervision of support personnel.

The program prepares graduates to practice in a variety of settings such as hospitals, rehabilitation centers, homes, private physical therapy practices, skilled nursing facilities, schools, corporate and industrial health centers, athletic training facilities, fitness centers, sports injury treatment centers, and education or research centers.

Academic and Clinical Standards

The Physical Therapy program enforces high academic standards and ethical behaviors. To remain in the program, students must earn a "C" or better in all academic courses or a pass when pass/not pass grading is used. A student who earns a "D" or "F" in any academic course in the curriculum, or receives more than 12 semester hours of "C" will be dismissed from the program. A student who earns a failing mark in a clinical internship may be dismissed from the program.

Admission requirements

Minimum requirements

1. Admission into the Physical Therapy Program is highly competitive and the number of students who can be admitted each year is limited; therefore, completion of all prerequisites and other requirements does not assure acceptance into the program. Competitive applicants will be invited for an interview as part of the admission process.
2. The Physical Therapy Program at Missouri State University, Springfield Campus, participates in the Physical Therapist Centralized Application Services (PTCAS). Applicants applying to the program must apply online using the PTCAS application. To learn more about the PTCAS application process, please visit <http://www.ptcas.org/>. Application deadline is October 1 (all application documents must be received by this date). Classes begin in May of each year.

- Submit Graduate Record Examination (GRE) scores to PTCAS. No minimum score is required; however, scores among students are compared.
 - Submit two letters of recommendation to PTCAS: one from the applicant's undergraduate advisor at the institution where the majority of science courses were taken, and one from a licensed physical therapist.
 - Complete all other requirements listed in PTCAS.
3. A baccalaureate degree from an accredited college or university. The undergraduate major may be in any field, but students must have completed the prerequisites (or their equivalents) listed under "prerequisite courses".
 4. A minimum overall GPA of 3.00 on a 4.00 scale.
 5. Ability to meet the technical standards of the program in order to successfully undertake the course of study (available upon request from the program).
 6. Verification observation experience is required in at least two (2) different areas of physical therapy specialty.

Program Requirements

Physical Therapy students will be required to:

1. Complete a yearly physical examination including a TB skin test or chest X-ray. In addition, MMR, Hepatitis B, and other vaccinations are required.
2. Have the capacity for performance of the technical standards (essential functions) and tasks required of a physical therapist.
3. Pass periodic drug and alcohol screening and periodic criminal background checks (Missouri State Highway Patrol, Federal Bureau of Investigation, or other approved agency). These program requirements are the result of health organizations' requirements for placement at their clinical sites. Students will be financially responsible for security checks and drug/alcohol screens and for housing/transportation costs during clinical internships. Students who do not pass the appropriate screenings may not be able to complete the program or practice professionally.
4. Maintain current professional liability insurance for the duration of the program.
5. Maintain current health insurance for the duration of the program.
6. Maintain current American Heart Association Basic Life Support Certification for the duration of the program.
7. Maintain current membership in the American Physical Therapy Association for the duration of the program.
8. Abide by the American Physical Therapy Association's Code of Ethics for the Physical Therapist (https://www.apta.org/uploadedFiles/APTAorg/About_Us/Policies/Ethics/CodeofEthics.pdf) and Guide for Professional Conduct (http://www.apta.org/uploadedFiles/APTAorg/Practice_and_Patient_Care/Ethics/GuideforProfessionalConduct.ppt)
9. Abide by the policies and procedures for physical therapy students that are explained in the *Handbook for Physical Therapy Students* at Missouri State University. This handbook may be found online.

Academic and Clinical Standards

The Physical Therapy program enforces high academic standards and ethical behaviors. To remain in the program, students must earn a "C" or better in all academic courses or a pass when pass/not pass grading is used. A student who earns a "D" or "F" in any academic course in the curriculum, or receives more than 12 semester hours of "C" will be dismissed from the program. A student who earns a failing mark in a clinical internship may be dismissed from the program.

Prerequisite courses

Below is the minimum number of required hours listed by discipline. The course numbers after each discipline indicate those courses offered at Missouri State University that fulfill that prerequisite. Students must complete the courses listed below, or their equivalents, in order to satisfy the prerequisite. If you have questions regarding the prerequisites, contact the Director of Admissions at 417-836-4514. Courses listed below are offered at Missouri State University.

1. English: 6 hrs. English (Composition I and II)
2. Mathematics: 3 hrs. College Algebra ([MTH 135](#)) or higher
3. Statistics: 3 hrs. [MTH 340](#) or [MTH 545](#) or [ECO 308](#) or [QBA 237](#) or [PSY 200](#) or [SOC 302](#) or [BIO 550](#)
4. College Physics: 8 hrs. [PHY 123](#) and [PHY 124](#)
5. Chemistry: 8 hrs. [CHM 160](#) & [161](#), [CHM 170](#) & [171](#) or [CHM 201](#), [CHM 202](#)
6. Psychology: 6 hrs. One course should cover basic psychology and one should include abnormal psychology, [PSY 121](#), [PSY 304](#)
7. General Biology: 8 hrs. [BIO 121](#) and [BIO 122](#) or [BMS 110](#) & [BMS 111](#) & [BMS 230](#)
8. Human or Vertebrate Anatomy: 4 hrs. [BMS 307](#)
9. Human or Vertebrate Physiology: 4 hrs. [BMS 308](#)

Recommended courses (examples given)

1. Spanish: [SPN 101](#)
2. Computer Applications for Business: [ITC 201](#)
3. Personal Financial Planning: [FIN 381](#)
4. Management: [MGT 286](#)
5. Introduction to Biochemistry: [CHM 350](#)
6. Interpersonal Communications: [COM 205](#)
7. Applied Behavior Analysis: [PSY 508](#)
8. Cellular Biology: [BIO 320](#)
9. Biomedical Sci: [BMS 240](#), [BMS 260](#), [BMS 450](#), [BMS 467](#), [BMS 563](#), [BMS 567](#), [BMS 585](#)
10. Communication Sciences and Disorders: [CSD 201](#)
11. Philosophy: [PHI 105](#), [PHI 302](#) and [PHI 342](#), [PHI 513](#)
12. Psychology of Childhood: [PSY 331](#)
13. Human Growth and Development: [PSY 703](#) or [CFD 155](#)
14. Social Work: [SWK 200](#)

DPT Degree Requirements 133 hrs

1. Students must successfully complete the 133 hours of the physical therapy curriculum. The courses must be taken in the order and at the time scheduled for each admitted class (cohort group).
2. **Research.** Students must complete and present a graduate level scholarly paper, which is part of the requirement in [PTE 880](#).
3. **Comprehensive Examination.** Students must pass a comprehensive examination, which is implemented in the curriculum as computer competency testing.

Curriculum

The curriculum is designed sequentially so that courses must be taken in the order and at the time scheduled for each admitted class (cohort group). Any exceptions to the cohort progression requirement must stem from unavoidable and extreme personal circumstances, and must be approved by the core faculty and Department Head.

DPT Program course schedule

Summer, Semester 1 (10 weeks classroom)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PTE 707 | Medical Human Anatomy | 6 hrs |
| PTE 711 | Professional Issues I | 2 hrs |
| PTE 712 | Clinical Biomechanics for Physical Therapy | 2 hrs |
| PTE 713 | Embryology | 1 hrs |

Fall, Semester 2 (17 weeks classroom)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PTE 710 | Introduction to Physical Therapy | 3 hrs |
| PTE 720 | Neuroanatomy- Neuroscience | 4 hrs |
| PTE 723 | Patient Management: Musculoskeletal I | 4 hrs |
| PTE 726 | Clinical Kinesiology for Physical Therapy | 2 hrs |
| PTE 740 | Research Methods and Design | 2 hrs |
| PTE 760 | Management of Research Projects | 1 hr |

Spring, Semester 3 (17 weeks classroom)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PTE 714 | Imaging Analysis in Physical Therapy Practice | 2 hrs |
| PTE 721 | Professional Issues II | 2 hrs |
| PTE 722 | Physical Agents and Mechanical Modalities | 2 hrs |
| PTE 733 | Patient Management: Musculoskeletal II | 3 hrs |
| PTE 743 | Patient Management: Neurological I | 4 hrs |
| PTE 750 | Research and Outcome Analysis | 2 hrs |

| | | |
|-------------------------|--------------------|-------|
| BMS 752 | Medical Physiology | 3 hrs |
|-------------------------|--------------------|-------|

Summer, Semester 4 (7 weeks classroom; 4 weeks clinical)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PTE 732 | Electrotherapeutic Modalities and Clinical Electrophysiology | 2 hrs |
| PTE 737 | Clinical Internship I | 4 hrs |
| PTE 753 | Patient Management: Neurological II | 2 hrs |
| PTE 760 | Management of Research Projects | 1 hr |
| PTE 773 | Patient Management: Musculoskeletal III | 2 hrs |

Fall, Semester 5 (13 weeks classroom; 6 weeks clinical)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PTE 731 | Pathophysiology/Differential Diagnosis I | 3 hrs |
| PTE 747 | Clinical Internship II | 6 hrs |
| PTE 760 | Management of Research Projects | 1 hr |
| PTE 763 | Patient Management: Neuromuscular III | 3 hrs |
| PTE 764 | Patient Management: Exercise Physiology, Nutrition, and Wellness | 3 hrs |

Spring, Semester 6 (10 weeks classroom; 6 weeks clinical)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PTE 730 | Motor Control/Motor Learning | 2 hrs |
| PTE 741 | Pathophysiology/Differential Diagnosis II | 2 hrs |
| PTE 744 | Patient Management: Cardiovascular and Pulmonary Problems | 3 hrs |
| PTE 754 | Patient Management: Special Considerations Across the Life Span | 1-2 hrs |
| PTE 757 | Clinical Internship III | 6 hrs |
| PTE 760 | Management of Research Projects | 1-2 hrs |
| | Electives | 1-2 hrs |

Summer, Semester 7 (11 weeks classroom)

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>PTE 756</u> | Patient Management: Integumentary | 1 hr |
| <u>PTE 760</u> | Management of Research Projects | 1 hr |
| <u>PTE 761</u> | Contemporary Issues in Professional Practice | 2 hrs |
| <u>PTE 762</u> | Medical Pharmacology | 2 hrs |
| <u>PTE 765</u> | The Physical Therapist as Educator | 1 hr |
| <u>PTE 767</u> | Health Care Systems and the Physical Therapist | 1 hr |
| | Electives | 1-2 hrs |

Fall, Semester 8 (10 weeks classroom; 8 weeks clinical)


| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PTE 760</u> | Management of Research Projects | 1 hr |
| <u>PTE 871</u> | Physical Therapy Management and Administration | 3 hrs |
| <u>PTE 872</u> | Orthotics and Prosthetics, and Assistive Technologies | 3 hrs |
| <u>PTE 873</u> | Patient Management: Advanced Differential Diagnosis | 3 hrs |
| <u>PTE 877</u> | Clinical Internship IV | 8 hrs |
| | Electives | 1-2 hrs |

Spring, Semester 9 (3 weeks classroom; 14 weeks clinical)


| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PTE 880</u> | Research Seminar | 1-2 hrs |
| <u>PTE 883</u> | Patient Management: Critical Integration and Analysis | 1-2 hrs |
| <u>PTE 887</u> | Clinical Internship V | 8 hrs |
| <u>PTE 888</u> | Clinical Internship VI | 6 hrs |
| | Elective (Study Away) | 0-2 hrs |




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Graduate College

Graduate Catalog

Department of Physician Assistant Studies

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Physician Assistant Studies \(MS\)](#)

Accreditation

- Accreditation Review Commission on Education for the Physician Assistant – Physician Assistant Studies (MS)

Contact

Department head

Roberto Canales

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O'Reilly Clinical Health
Sciences Center, Suite 200

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417-836-6151

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417-836-6406

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Website


[missouristate.edu/pas](https://www.missouristate.edu/pas/)
(https://www.missouristate.edu/PAS/)




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
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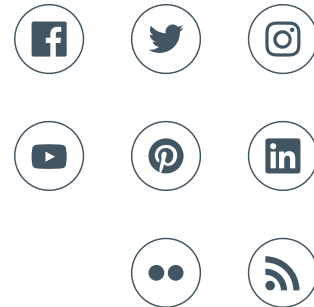
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Physician Assistant Studies Graduate Faculty

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Roberto Canales

Assistant professors

Andrea Applegate

Nathan Miracle

Medical director

William R. Detten

Adjunct faculty

Brian C. Aston

Michael J. Barker

Brent A. Bartgis

Amanda Bartlett

Dustin Bartlett

Traci Bilyeu-Reinbold

Barbara Bumberry

Daniel Cardwell

Anthony A. Cauchi

Christopher D. Chase

Samuel A. Crow, II

Meredith Cunningham

John C. Davis

Jeffrey S. Delvecchio

Amanda J. Dinsmore

Jose M. Dominquez

Robert Scott Duff

Ambur Economu

Enrico G. Esguerra

Christian S. Forrer

Evan E. Fusco
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Doyle B. Hill
Thomas A. Hopkins
Alexander Hover
Roger E. Huckfeldt
Megan Huff
Timothy L. Jones
Janet Jordan
Mubashir Khan
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Thomas C. Lewis
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Ted McMurry
Fred G. McQueary
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Matthew Nelson
Mark D. Newport
Michael S. North
Angela S. Oloman
Kevin H. Reinhard
Megan E. Riley
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James A. Schultz
Charles W. Sheppard

J. Barry D. Spoon
Daryl T. Steen
Christopher Stein
Matthew Ting
Martin S. Tyson
Edward G. Wieggers
Alice T. Williams
Anne Winkler
Timothy Woods
Andy J. Wright

Emeritus faculty


Steven T. Dodge



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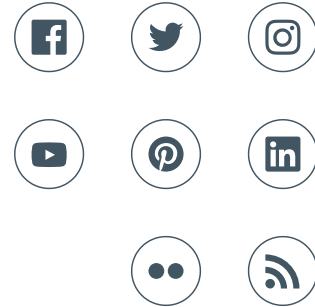
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Missouri State

Graduate College

Graduate Catalog

Physician Assistant Studies Courses

Physician Assistant Studies (PAS) courses

PAS 717 Medical Human Anatomy and Radiology

Prerequisite: admission to the MS in Physician Assistant Studies or permission.

Regional study of the human body. Course will include lecture and laboratory activities including cadaver dissection, study of anatomic models, computer images, X-ray, CAT scan, and MRI and ultrasound imaging. Identical with BMS 717. Cannot receive credit for both PAS 717 and BMS 717.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 3 | 11 | Spring |

PAS 753 Molecular Pathophysiology

Prerequisite: admission to the MS in Physician Assistant Studies.

Introduction to the genetic, immunologic, and microbiologic mechanisms of health and disease.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

PAS 765 Clinical Assessment I

Prerequisite: admission to the MS in Physician Assistant Studies.

The first of a 2-semester course sequence. Introduction to effective communication and interviewing skills, techniques of physical examination utilizing a systematic anatomical approach and the recording and presentation of clinical information. Format will include lecture, hands-on laboratory exercises, small group presentations, limited patient contact and written and practical examinations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Summer |

PAS 766 Clinical Assessment II

Prerequisite: admission to the MS in Physician Assistant Studies.

A continuation of Clinical Assessment I. Emphasis will be on continued development of interviewing and physical examination skills, recognizing and interpreting abnormal physical findings, developing problem lists and differential diagnoses, and refining the recording and presenting of patient evaluation data. In addition, students will learn advanced assessment techniques and perform written and practical skills examinations that incorporate the objective structured clinical exam (OSCE).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Summer |

PAS 769 Behavioral Medicine

Prerequisite: admission to the MS in Physician Assistant Studies.

A biopsychosocial systems approach to the individual, family and community within the health care delivery system that includes issues germane to public health and rural medicine. A variety of topics such as growth and development, human sexuality, health promotion and disease prevention, health education, patient compliance, cultural diversity, substance abuse, family violence, child abuse and rural health issues are examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

PAS 770 Professional Issues Seminar

Prerequisite: admission to the MS in Physician Assistant Studies.

Seminar format for discussion of professional and legal issues relevant to the physician assistant profession. Includes topics such as the history of the profession, health care systems, professional organizations, national certification, Missouri licensure, prescriptive privileges, and clinical ethics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Summer |

PAS 775 Principles of Clinical Problem Solving

Prerequisite: admission to the MS in Physician Assistant Studies or permission.

Introduction to critical thinking skills and problem solving techniques. Incorporates problem based learning format where small groups of students under the supervision of a group leader explore the various facets of "real-life" clinical case scenarios.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

PAS 776 Clinical Problem Solving Seminar

Prerequisite: admission to the MS in Physician Assistant Studies.

Advanced exercises in clinical problem solving in a small group format. Commonly presenting clinical problems are utilized as a means to refine students' ability to choose appropriate steps to determine a definitive diagnosis/outcome.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall |

PAS 777 Introduction to Research and Clinical Epidemiology

Prerequisite: admission to the MS in Physician Assistant Studies.

Foundations of quantitative and qualitative research methodology related to the study of disease in populations. Includes issues related to study design, data collection, and methods of statistical analysis with a focus on application of these principles in the clinical setting. Will serve as the foundation for development of the clinical year research project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

PAS 780 Pharmacotherapeutics I

Prerequisite: admission to the MS in Physician Assistant Studies.

The first in a two-course sequence to introduce the principles of pharmacology and pharmacotherapeutics for the diagnosis, prevention and treatment of disease. Emphasis will be placed on the pharmacological, pharmacokinetic and pharmacodynamic properties of drugs and drug classes used in medical practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

PAS 781 Advanced Pharmacotherapeutics

Prerequisite: completion of PAS 780, or RN, or permission.

In-depth analysis of pharmacotherapeutics and the application of drugs for the diagnosis, treatment and prevention of disease. Emphasis will be placed on the rational use of drugs in the care and treatment of pediatric, adult and geriatric patients in primary care settings. Will include discussion of treatment guidelines, indications, contraindications, prescription writing, drug law, drug information resources and case studies. Identical with NUR 761. Cannot receive credit for both PAS 781 and NUR 761.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PAS 783 Clinical Practicum I

Prerequisite: admission to the MS in Physician Assistant Studies and successful completion of didactic course work.

A two week clinical experience with a minimum of 64 hours patient care under the supervision of a physician preceptor. Emphasis will be on refining interviewing, physical examination, recording and written/oral presentation skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 4 | Summer |

PAS 784 Clinical Practicum II

Prerequisite: admission to the MS in Physician Assistant Studies.

Preparative course for the clinical year which promotes professional communication skills and an understanding of pertinent clinical practice topics and issues including interprofessional disciplines, medical practice

organization, health literacy, chronic care, hospice care, and financial aspects of medical practice including billing and coding.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 4 | Fall |

PAS 785 Clinical Medicine I

Prerequisite: admission to the MS in Physician Assistant Studies.

The first in a two-semester course sequence. Introduction to clinical medicine through an organs systems approach that examines the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 2 | Summer |

PAS 786 Clinical Medicine II

Prerequisite: admission to the MS in Physician Assistant Studies.

A continuation of Clinical Medicine I that emphasizes the organs systems approach to examine the pertinent anatomy, pathophysiology, diagnosis, treatment, follow-up, patient education, and prevention strategies for the various disease entities. Emphasis will be on problems frequently encountered in primary care settings. Includes lecture and discussion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 6 | 6 | 2 | Fall |

PAS 787 Laboratory Medicine and Clinical Procedures

Prerequisite: admission to the MS in Physician Assistant Studies.

"Hands-on" laboratory format class that introduces the student to skills needed to perform diagnostic and therapeutic procedures such as performing/interpreting basic laboratory tests, phlebotomy, casting and splinting, knot tying, suturing, intravenous line insertion, aseptic technique, catheterization, and other clinical skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Fall |

PAS 788 EKG and ACLS

Prerequisite: admission to the MS in Physician Assistant Studies.

A study of the principles and practical applications of electro-cardiography for the physician assistant, followed by an Advanced Cardiac Life Support course. Lecture, lab, interactive CD, and "mock code" skills training.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall |

PAS 790 Clinical Preceptorship

Prerequisite: admission to the MS in Physician Assistant Studies and promotion from the didactic year.

Consists of a six-week structured clinical experience under the supervision of a qualified preceptor that will introduce the student to the evaluation, diagnosis, treatment, monitoring, patient education, and referral of patients for the various clinical presentations within a specific discipline. The emphasis will be on problems encountered in primary care settings. Specific cognitive, skill, and attitudinal objectives are defined for each core clinical area, including family practice/primary care, general surgery, psychiatry/behavioral medicine, internal medicine, emergency medicine, women's health, and pediatrics. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 5 | 0 | 40 | Fall, Spring, Summer |

PAS 797 Clinical Practice Issues Seminar

Prerequisite: clinical year standing in the MS in Physician Assistant Studies.

Provides a forum for topics germane to the clinical practice setting and transition to professional practice. Topics of interest will cover areas such as managed health care, ethical decision-making, pharmacological management, resume preparation, job negotiation skills, the national certification examination, etc. May be repeated for a maximum of 3 hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 0 | 2 | Fall, Spring, Summer |

PAS 798 Research Project

Prerequisite: clinical year standing in the MS in Physician Assistant Studies.





In-depth study of a clinical problem of interest that culminates in a scholarly paper and formal presentation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | | | Fall |



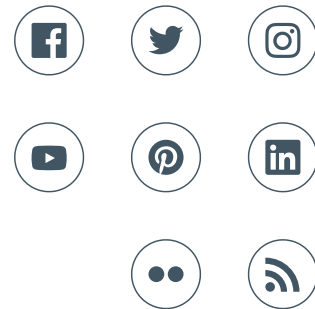
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Physician Assistant Studies



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Master of Science, Physician Assistant Studies

PAS Department

O'Reilly Clinical Health Sciences Center, Suite 200

Phone 417-836-6151; PAS@MissouriState.edu (<mailto:PAS@MissouriState.edu>)

Professional description

Physician assistants are health professionals prepared to practice medicine with physician supervision. Physician assistants are qualified by graduation from an accredited physician assistant educational program and/or by certification by the National Commission on the Certification of Physician Assistants. Within the physician/PA relationship, physician assistants exercise autonomy in medical decision-making and provide a broad range of diagnostic and therapeutic services.

The clinical role of physician assistants includes primary and specialty care in medical and surgical practice settings in rural and urban areas. Physician assistant practice is centered on patient care and may include educational, research and administrative roles.

Program description

The Master of Science in Physician Assistant Studies is a graduate, entry-level, professional study designed to prepare highly competent practitioners to practice primary care medicine in the context of team-delivered care in a rapidly evolving health care arena. The program is 24 months (six semesters) duration and is divided into didactic (12 months) and clinical phases (12 months). Enrollment is on a continuous, full-time basis only. The curriculum is based on the *Accreditation Standards for Physician Assistant Education* and incorporates the principles of scientific inquiry, self-directed study, critical analysis, and problem solving. Due to the rigorous nature of the curriculum, students should not expect to be employed during their enrollment.

Program accreditation

The Missouri State University Physician Assistant Program is accredited by the Accreditation Review Commission on Education for the Physician Assistant (ARC-PA). Accreditation is a process of external peer review to assure standards of excellence and quality are met and maintained. Graduation from an accredited PA program is a requirement to practice as a PA in the United States and to sit for the National Commission on Certification of Physician Assistants (NCCPA) certifying examination.

Admission requirements

Applications are submitted to CASPA online for individuals interested in applying for the class beginning in January.

1. Possess baccalaureate or higher degree from a regionally accredited institution in the United States prior to entering the program. Applicants who have completed a higher degree in the U.S. and a baccalaureate degree at an accredited international institution must submit a course-by-course U.S. equivalency report from a U.S. based evaluation service directly to CASPA in addition to other required transcripts.
2. Applicants must have an overall grade point average (GPA) of at least 3.00 (as determined by CASPA) on a 4.00 scale, or 3.00 on a 4.00 scale for the last 60 hours of course work is required.
3. Complete all pre-professional prerequisite courses by the end of the fall semester before the program begins (*pre-professional* prerequisite courses listed below). All prerequisite courses must be completed at a regionally accredited institution
4. Complete the Graduate Record Examination General (GRE) or the Medical College Admission Test (MCAT) within the past 5 years.
5. Meet all requirements for admission to graduate study at Missouri State University. Graduate College admission and degree requirements are detailed under the Graduate College policies in the current catalog.
6. Present evidence of completion of the Basic Life Support for Health Professionals course approved by the American Heart Association. The certificate must be valid for one year after the beginning of the program.
7. Meet technical standards of the program in order to successfully undertake the course of study. These standards are available upon request from the program. Matriculating students must also demonstrate evidence of good physical health and have up-to-date immunizations (MMR, tetanus, and a complete Hepatitis B series, including a titer demonstrating immunity), and a PPD (Plus chest x-ray for PPD+ individuals).
8. The Missouri State University Physician Assistant Program participates in the Central Application Service for Physician Assistants (CASPA). Applications will be available after May 1 for individuals interested in applying for the class beginning in January. Apply online at <http://www.caspaonline.org>. The deadline for applications to CASPA is July 15. All applications must be verified by CASPA no later than August 12. The CASPA web site provides additional information about the initial application requirements and fees.
9. Competitive applicants will be invited to interview with members of the program's admission committee.
10. Matriculated students must enroll on a full-time basis and progress through the program with their class.

11. All students are required to carry professional liability insurance throughout the program. This insurance is available through the American Academy of Physician Assistants.
12. All students must also carry health (including hospitalization) insurance throughout the entire program.
13. Students will be required to initiate and pay for any security checks and drug screening required by clinical agencies, for application to take the Physician Assistant National Certifying Exam (PANCE), and when applying for professional licensure.
14. Apply for criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMo or other disqualifications that would prohibit licensure as a physician assistant.
15. Applicants must have a minimum of 500+ hours of paid, direct, hands-on patient care experience at the time the CASPA application is submitted. Patient care experience requiring certification is most competitive and includes, but is not limited to: nurse, paramedic, EMT-B, CNA or PCT, health educator, respiratory therapist, athletic trainer or Medical Assistant (MA). Supervised clinical internships may account for up to 50 of the required 500 hours. Volunteer work at hospitals, clinics or other medical venues does not count toward the required hours of clinical experience, but is valued by the admissions committee and can, therefore, strengthen a candidate's application.

Selection Factors

Admission into the Physician Assistant Studies Program is highly competitive. The maximum number of students admitted to each cohort is specified by the Accreditation Review Commission on Education for the Physician Assistant, Inc. While applicants must complete all prerequisite requirements to be considered for a position in the class, completion of all admission requirements does not assure acceptance into the program. In making class selections, the admissions committee will consider the following characteristics of competitive applicants:

- academic potential (science GPA, overall GPA, last 60 hours GP, program-specific graduate study entrance examination) to successfully complete the program
- understanding and commitment to the role of the physician assistant
- personal maturity
- motivation
- interpersonal skills
- quality and duration of health care experience
- capacity for performance of the technical functions and tasks required of the physician assistant
- service and leadership experience
- characteristics to enhance the program's mission and goals including strong motivation to practice in rural/underserved areas
- graduation from Missouri State University
- diverse life experiences including, but not limited to, U.S. military experience, first generation college students, diverse upbringing/background or unique life experience
- previous application to MSU PA program

Preprofessional Prerequisite Courses Minimum Semester Hours **

1. Life sciences - 14 hrs minimum

- a. Must include 2 courses (8 semester hours total) in anatomy and physiology at the pre-med level or for science majors including lab.
- b. Must include a course in microbiology (3 semester hours minimum), preferably including a lab component.

- c. Must include a course in human or medical genetics (3 semester hours minimum).
- d. Other appropriate courses may include cell biology, cell physiology, embryology, endocrinology, genetics, histology, virology, immunology, molecular biology, neurobiology, bacteriology, and epidemiology.

2. Chemistry - 12 hrs minimum

- a. Must include the complete sequence (2-3 semesters) of general chemistry at the pre-med level or for science majors including lab.
- b. A course in organic chemistry or biochemistry is also required (a survey course is acceptable).

3. Statistics - 3 hrs

4. Social Science - 6 hrs minimum

- a. Must include a course in general or introductory psychology
- b. Additional courses may include: developmental psychology, abnormal psychology, sociology, health care ethics, or death and dying, etc.

** Contact department for additional information.

** A grade of "C" or higher must be earned in each of the courses.

** CLEP examination or advanced placement credit may not be used to meet any of the above requirements, unless a comparable number of credits in advanced courses in the discipline have been completed.

** Due to the rapid evolution of the basic sciences, preference may be given to applicants who have completed their pre-professional prerequisite courses during five years prior to applying to the program, particularly those with strong science work.

** Additional life science course work (listed above) beyond the minimum will strengthen the application.

Recommended Prerequisites/Proficiencies

1. Candidate for admission to the PA program should "shadow" a practicing PA for at least 24 hours.
2. A course in medical terminology is strongly recommended for applicants who are not health professionals or for any applicant not confident of their ability in this area. Self-study courses are appropriate.
3. Proficiency in basic computer skills (word-processing, spreadsheets, databases, Internet searches, Email) is expected of all entering students as the curriculum will incorporate the use of computer technology. Additionally, all students in the program will be expected to have computer access to the Internet available at home.

Retention During the Program

The PA program holds high academic and ethical standards. A student must attain a grade point average of at least 3.00 on all graduate work. A grade of "C" or above (or "pass" for courses graded "pass/not pass") represents acceptable professional work for the PA program, however a student earning more than nine semester hours of "C" or lower becomes ineligible for graduate study. No course with a grade below "C" may be applied toward a graduate degree. Any grade below a "C" in any given course, didactic or clinical, is not acceptable and may be grounds for dismissal from the PA program for academic reasons, subject to faculty discretion. If a student earning a grade below a "C" is retained in the program, the student will be required to complete remedial work prescribed by the faculty; this may result in the student's delayed graduation. Students must also meet any requirements for individual clinical preceptorship sites.

Admission to the PA program and acceptable grades represent the minimum criteria necessary for successful completion of the PA program. The PA program faculty constitutes the Promotions Committee which meets at the end of the didactic year to determine if students will be advanced to the clinical phase of training. While grades are important, the decision to promote a student is based on the composite picture of the ability of the student to perform satisfactorily in the clinical phase of training. If a student has failed to demonstrate an attitude of professionalism (as detailed in the didactic year policy manual) or if the committee does not believe that student is prepared to assume patient care responsibilities, a student may be dismissed from the program. Similarly, at the end of the clinical year, the Promotions Committee will make a determination about a student's readiness to graduate based on academic performance and professional growth and development.

Degree requirements

All students must complete the required 87 semester hours of the curriculum (42 didactic and 45 clinical) in the prescribed sequence for each admitted class (cohort). Any exceptions to the cohort progression must stem from unavoidable and extreme personal circumstances, and must be approved by the program director.

A. **Academic Advisor** - Upon matriculation, each student will be assigned to a departmental academic advisor, who along with the program's didactic and clinical coordinators, will supervise a student's progression through the program.

B. **Didactic year courses:**

Spring - 15 credit hours

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PAS 717 | Medical Human Anatomy and Radiology | 6 hrs |
| BMS 752 | Medical Physiology | 3 hrs |
| PAS 753 | Molecular Pathophysiology | 1 hr |
| PAS 765 | Clinical Assessment I | 3 hrs |
| PAS 769 | Behavioral Medicine | 1 hr |
| PAS 775 | Principles of Clinical Problem Solving | 1 hr |

Summer - 10 credit hours

| Course Code | Course Title | Credit Hours |
|-------------------------|-----------------------------|--------------|
| PAS 785 | Clinical Medicine I | 4 hrs |
| PAS 780 | Pharmacotherapeutics I | 1 hr |
| PAS 766 | Clinical Assessment II | 3 hrs |
| PAS 770 | Professional Issues Seminar | 1 hr |

| | | |
|-------------------------|----------------------|------|
| PAS 783 | Clinical Practicum I | 1 hr |
|-------------------------|----------------------|------|

Fall - 17 credit hours

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------------|
| PAS 786 | Clinical Medicine II | 6 hrs |
| PAS 781 | Advanced Pharmacotherapeutics | 3 hrs |
| PAS 787 | Laboratory Medicine and Clinical Procedures | 2 hrs |
| PAS 788 | EKG & ACLS | 2 hrs |
| PAS 776 | Clinical Problem Solving Seminar | 1 hr |
| PAS 777 | Introduction to Research and Clinical Epidemiology | 2 hrs |
| PAS 784 | Clinical Practicum II | 1 hr |

C. Clinical year courses. The clinical year consists of 8 six-week clinical preceptorship courses (PAS 790) for 5 credit hours each. The clinical preceptorship courses consist of the following required clinical rotations:

| |
|--|
| Family medicine I* |
| Family medicine II* |
| General surgery |
| Internal Medicine |
| Emergency Medicine |
| Obstetrics and Gynecology/Women's Health |
| Pediatrics |
| Directed/Electives* |

* With one of the Family Medicine or Directed/Elective clinical rotations, the student will experience a 3 week emphasis in behavioral and mental health.

Notes:

1. Students should expect to complete at least one primary care preceptorship (family practice, internal medicine, or pediatrics) in a rural setting.
2. Students should anticipate that up to three of their assigned clinical rotations will occur outside of the Springfield area and will require living in "off-campus" housing. Normally, the travel, housing, and other

expenses incurred in relocation are at the student's expense. However, at some distant-rotation sites, housing will be provided by the program.





- Students will register in the clinical year for [PAS 797](#) Clinical Practice Issues Seminar (1 credit hour) each semester for a total of 3 credit hours and for [PAS 798](#) Clinical Research Project (2 hours) during the final semester of their clinical year. This project will consist of an in-depth study of a clinical problem of interest, which culminates in a scholarly paper and formal presentation.



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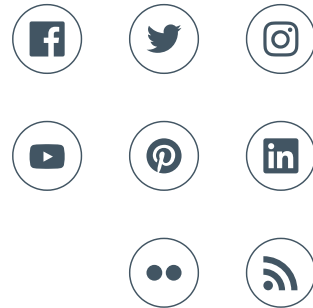
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Missouri State


Graduate College

Graduate Catalog

Department of Psychology

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Applied Behavior Analysis \(MS\)](#) 

[Psychology \(MS\)](#)

[Secondary Education: Social Science Area of Emphasis \(MSEd\)](#)

Certificates

[Forensic Child Psychology \(Certificate\)](#)

[Statistics and Research Design \(Certificate\)](#)

Program Description

The MS Psychology degree program consists of three tracks: Clinical, Industrial/organizational, and Experimental.

Contact

Department head

William Paul Deal

Office

Hill Hall, Room 313

Phone

417-836-5797

Fax

417-836-8330

Email





psychology@missouristate.edu
(<mailto:psychology@missouristate.edu>)

Website

psychology.missouristate.edu
(<https://psychology.missouristate.edu/>)

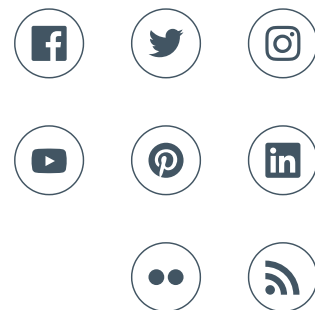


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Missouri State

Graduate College

Graduate Catalog

Psychology Graduate Faculty

Professors

Timothy Daugherty

Donald L. Fischer

Danae L. Hudson

Thomas D. Kane

Carol F. Shoptaugh

Brooke L. Whisenhunt

Adena Young-Jones

Associate professors

Amber Abernathy

Christie Cathey

Michael Clayton

William Paul Deal

Leslie Echols

Melissa Duncan Fallone

Donn L. Kaiser

Bogdan Kostic

D. Wayne Mitchell

Mary C. Newman

Ann D. Rost

Michelle E. Visio

Carly A. Yadon

David Zimmerman

Assistant professors

Jordan Belisle

Steve C. Capps

Jeff Foster

CaSandra Stanbrough

Visiting Assistant Professor

Dana Paliliunas

Senior instructor

Tanya Whipple

Instructor

Hannah Harris

Ashley Payne

Per course faculty

Michelle Hart

Sara Ibbetson

Adjunct faculty

Les Dean

Phillip J. Finley

Joseph D. Fietze

Patrick Lord

Emeritus professors

Timothy Bender

Chris T. Bersted

Sylvia T. Buse

Russell N. Carney

Paul J. Companik

James O. Davis

David J. Dixon

Bradley Fisher

Harry L. Hom, Jr.

Franklin L. Hyde

Donn L. Kaiser

Elissa M. Lewis

David J. Lutz

J. Jeff Maloney

Frederick R. Maxwell, Jr.

Arden T. Miller

Michael T. Nietzel

Jeanne A. Phelps

B. Richard Quinn

David W. Stockburger

Barbara S. Turpin




Emeritus professors



Missouri State

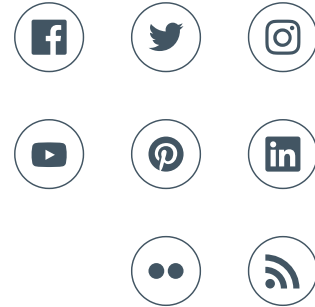
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Missouri State

Graduate College

Graduate Catalog

Psychology Courses

Psychology (PSY) courses

PSY 602 Learning Theories

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. An introduction to contemporary theories about learning and behavior, emphasizing the experimental basis of these phenomena. May be taught concurrently with PSY 502. Cannot receive credit for both PSY 502 and PSY 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 604 Forensic Child Psychology

Recommended Prerequisite: PSY 121. Explores the basics of forensic psychology with emphasis on factors that affect children, how these factors are assessed and how communities intervene to reduce both child crime and child victimization. The class will involve text analysis as well as analysis of primary source readings. May be taught concurrently with PSY 505. Cannot receive credit for both PSY 505 and PSY 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 606 Perception

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Nature of perception, concept formation and role of language. May be taught concurrently with PSY 506. Cannot receive credit for both PSY 506 and PSY 606.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 612 Personality Theory and Systems

Recommended Prerequisite: PSY 121 and PSY 304. Current theories of personality, research background and historical development. May be taught concurrently with PSY 512. Cannot receive credit for both PSY 512 and PSY 612.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 613 Neuropsychology

Introduction to the field of neuropsychology. Includes careers, history, behavioral changes after brain injury, assessment, and ethical considerations. May be taught concurrently with PSY 513. Cannot receive credit for both PSY 613 and PSY 513.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 614 Introduction to Applied Behavior Analysis

Serves as an introduction to the field of applied behavior analysis. During this course, students are introduced to content areas contained in the Behavior Analysis Certification Board Task List. This includes core concepts such as reinforcement, punishment, stimulus control, and principles of shaping. Students will be introduced to functional assessments and functional analyses. Additional topics include verbal behavior and ethical considerations for behavior analysts. May be taught concurrently with PSY 508. Cannot receive credit for both PSY 614 and PSY 508.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 617 Psychology of Child Abuse and Exploitation

Study of forensic issues related to child abuse and exploitation. Students will gain an understanding of the forensic and psychological issues that often arise during child abuse investigations. The Child Advocacy Center, Inc. will participate in the design of the course, thus the specific forensic issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 514. Cannot receive credit for both PSY 617 and PSY 514.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PSY 619 Cognitive Development

Recommended Prerequisite: PSY 121 and PSY 331 and 3 additional hours of psychology. Study of cognitive development in children and adolescents. Topics to be included: perception, memory, visual imagery, problem solving, language development, cognitive style, social learning theory, information processing theory, and Piaget's theory. Applications in education, child rearing, and behavior management. May be taught concurrently with PSY 519. Cannot receive credit for both PSY 519 and PSY 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 622 Physiological Psychology

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Physiological correlates underlying behavior, including sensory and response mechanisms, central nervous system. May be taught concurrently with PSY 521. Cannot receive credit for both PSY 521 and PSY 622.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 623 Psychology and Language

Recommended Prerequisite: 6 hours of Psychology. An examination into the nature of and research in human language and its relationship to psychology. Topics will include the biological bases of language, speech production and perception, word recognition, sentence processing, reading, discourse, dyslexia, grammar and the lexicon. This course will cover current theories on these topics and experimental paradigms analyzing language and psychology. May be taught concurrently with PSY 523. Cannot receive credit for both PSY 623 and PSY 523.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 625 Motivation and Emotions

Recommended Prerequisite: PSY 121 and 3 additional hours of psychology. Psychological and physiological motives, needs, drives and instinctual mechanisms; emotional effects of these upon the organism. May be taught concurrently with PSY 525. Cannot receive credit for both PSY 525 and PSY 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 627 Advanced Psychological Statistical Methods

Recommended Prerequisite: introductory statistics course selected from PSY 200, 711; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. A review of introductory statistics and investigation of research methods in behavioral sciences that require multivariate statistical models. This course takes an applied orientation and emphasizes the use of statistical packages. Topics include: linear models, principal components analysis, discriminant analysis, multiple regression analysis, multiple regression with categorical variables, and multi-factor ANOVA. May be taught concurrently with PSY 527. Cannot receive credit for both PSY 527 and PSY 627.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 629 Psychological Tests and Measurements

Recommended Prerequisite: PSY 121 and PSY 200 or equivalent. Theory and techniques underlying measurement of human traits and abilities. Critical analysis of intellectual, achievement, interest and personality tests, including their development, application and potential abuses. May be taught concurrently with PSY 529. Cannot receive credit for both PSY 529 and PSY 629.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PSY 633 Psychological Issues in Religion

Recommended Prerequisite: PSY 121 and REL 100. Comprehensive overview of historical background, research methods, and contemporary issues involving behavior and religious beliefs. Psychological research in the areas of religious development and cognition will be included. May be taught concurrently with PSY 533. Cannot receive credit for both PSY 533 and PSY 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 634 Psychology of Infancy

Recommended Prerequisite: PSY 121 and PSY 331. Theory and research on the maturation and cognition of the human infant in the first two years, from a developmental psychometric perspective. General principles of the mental and motor assessment of the infant and interpretation will be emphasized through class demonstrations so that the student may understand the use of these procedures in interpreting development and research. May be taught concurrently with PSY 534. Cannot receive credit for both PSY 634 and PSY 534.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 635 Discipline and Social Behavior in the Classroom

Recommended Prerequisite: PSY 121; and either PSY 360, PSY 380, PSY 385, or PSY 390. Provides a psychological perspective of individual and social factors necessary to develop an effective eclectic approach to discipline and an understanding of social behavior in the classroom. Includes an emphasis on personal, social, and motivational development. May be taught concurrently with PSY 535. Cannot receive credit for both PSY 535 and PSY 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 648 Psychological Testing in Remedial Reading

Prerequisite: permission of department head.

Techniques and skills in utilizing psychological tests as they pertain to diagnosing reading disabilities and prediction of success in remedial programs. Students receive supervised practice in administration. May be taught concurrently with PSY 550. Cannot receive credit for both PSY 550 and PSY 648.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

PSY 649 Developing Sport Team Leaders

This online course delivers leadership, team processes, and motivation principles to help coaches develop the leadership skills of sport team athletes. This course aligns sport program goals with educational goals by utilizing athletic settings to promote skills that student-athletes can apply on sport teams and in other group settings. Coaches will learn how to set specific leadership goals with team leader-athletes and will learn concrete and constructive ways to mentor leader-athletes. Coaches will use course principles to construct a plan for developing sport team leaders and for making "team leadership" a core team value. May be taught concurrently with PSY 555. Cannot receive credit for both PSY 555 and PSY 649.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

PSY 656 Developing Sport Team Leaders Practicum

Prerequisite: PSY 649 or concurrent enrollment.

Complementing PSY 649 Developing Sport Team Leadership, this course provides a 2-credit option for students to document the application of a leadership development plan on a sport team. This course reinforces the value of leadership and leadership development on sport teams by helping to make "team leadership" a core team value. Advancing this objective, students learn to align the values of sport teams with the broader values of educational institutions. Students taking this course must provide evidence that they have permission to implement a leadership development program on an organized sport team prior to enrolling in the class (hours the student spends with the team must exceed 90 hours). May be taught concurrently with PSY 556. Cannot receive credit for both PSY 556 and PSY 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

PSY 657 Forensic Psychology: Child Abuse and the Law

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. May be taught concurrently with PSY 557. Cannot receive credit for both PSY 657 and PSY 557. Identical with CRM 657. Cannot receive credit for both PSY 657 and CRM 657.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PSY 669 Psychological Effects of Dementia

Recommended Prerequisite: PSY 121 and PSY 370. Description of dementias, with particular references to Alzheimer's Disease and with emphasis on behavioral consequences for both patient and caregiver. Directed practicum. May be taught concurrently with PSY 565. Cannot receive credit for both PSY 565 and PSY 669.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Upon demand |

PSY 695 Specialized Topics in Psychology

Recommended Prerequisite: 9 hours of Psychology. Specialized investigation into selected topics in psychology. Graduate students will be required to complete an extra project to be determined by the instructor. May be repeated to a maximum of 9 hours if topic is different. Variable content course. May be taught concurrently with PSY 597. Cannot receive credit for both PSY 695 and PSY 597.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PSY 700 Problems of Psychology

Individual investigation into a problem or problems of concern to the student and deemed of significance by the instructor. Written report required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PSY 701 Symposium in Psychology

Specific topics selected to introduce graduate students to research and theory. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PSY 703 Human Growth and Development

Depth investigation of growth and development during elementary school years. Experimental evidence and clinical evaluations used to supplement consideration of major theories of development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 705 Psychology of Adolescence

Depth investigation of growth and development during the adolescent period. Experimental evidence and clinical evaluation used to supplement consideration of major theories of adolescence.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 707 Psychology of the Adult

Development of intellectual functions, personality, and social psychological processes across the adult life span will be emphasized. Normal as well as abnormal phenomena unique to young, middle-aged, and elderly adults will also be considered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 708 Memory

Provides in-depth analyses of historical and current theories and associated research in higher mental cognition processing. Primary emphasis is on normal human adult functioning, although associated topics such as cognitive development, learning dysfunctions and skill enhancement will be considered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 709 Psychological Evaluation of Pre-School Children

Program involving both theory and practice in psychological evaluation of pre-school children.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 710 Psychology of Education

Orientation to the use of psychology in education.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 711 Introductory Statistics for Education and Psychology

Statistical techniques used in education and psychology; overview of scaling techniques, sampling, descriptive techniques, inferential techniques (to include t and χ^2), reliability and validity.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 716 Personnel Psychology

A survey of the psychological principles, theory, and research related to personnel practices in organizations. Topics include job analysis, performance appraisal and criterion development, individual differences measurement, personnel selection, and reliability, validity, and utility analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 718 Organizational Psychology

Recommended Prerequisite: PSY 121 and PSY 304. A survey of the psychological principles, theory, and research related to behavior in organizations. Topics include work motivation, job satisfaction and performance, leadership and group processes, organizational design and development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 720 Individual Intelligence Testing

Prerequisite: PSY 629 or COU 701.

Analysis of individual tests of intelligence; Wechsler Scales and the Revised Stanford Binet. Students receive supervised practice in administration, scoring and interpretation of individual tests.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall, Spring |

PSY 721 Individual Intelligence Testing II

Prerequisite: PSY 629 or COU 701.

Analysis of individual tests of intelligence; Stanford-Binet Fourth Edition and Kaufman Assessment Battery for Children. Students will receive supervised practice in administration, scoring, and interpretation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

PSY 730 Projective Techniques

Prerequisite: COU 701 and PSY 720.

Introduction to theory of and basic underlying projective methods.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 740 Psychological Assessment

Prerequisite: admission to MS in Psychology program.

Students of clinical psychology will be introduced to the process of psychological diagnosis. They will be expected to master the administration, scoring, and interpretation of individual instruments and become acquainted with the foundations and theory and research on which they rest. In addition the course will emphasize the differential applicability of tests and assessment techniques to a wide range of referral problems and the principles of clinical inference that may be used to interpret, integrate, and communicate their diagnostic findings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 742 Practicum in Psychological Assessment

Prerequisite: PSY 740 and PSY 750 and permission of instructor.

Supervised experience in assessment, diagnoses and report-writing with clients at a community mental health facility. Site arrangements must be made by the Practicum Coordinator during the preceding semester. Consists of a one-hour seminar on campus and 4 hours at the practicum site each week. May be repeated and a minimum grade of "B" must be maintained.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

PSY 745 Statistics and Research Design

Recommended Prerequisite: introductory statistics course from PSY 200, 611; AGR 330; ECO 308; MTH 340; QBA 237; REC 328; SOC 302; or equivalent. Use of the Analysis of Variance (ANOVA) Models and Multivariate Analysis in the design and analysis of psychological experiments.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

PSY 747 Single Subject Research Design in Applied Behavior Analysis

Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.

Provides instruction in the use of single subject design research methods, in both experimental and applied settings. Instruction provided in behavioral measurement via direct and indirect observation, the employment of group and individual (single-subject) time series designs, statistical approaches for within-group and single-subject design data analysis and interpretation, and use of data to evaluate interventions. The course also considers professional issues in the ethical conduct of research and practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 750 Advanced Survey of Psychology

Reinforce breadth of knowledge of psychology in the areas of Biological bases of behavior, Sensation and Perception, Memory, Cognition, Motivation, Development and Social Psychology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 751 Seminar in Methods of Research

Prerequisite: PSY 710 and PSY 711.

Investigation of research methods employed in education and psychology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 752 Research Methods

Prerequisite: PSY 745.

Provides an understanding of the research methods employed in experimental and applied settings. Includes ethical considerations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 753 Program Evaluation

Prerequisite: PSY 745.

The application of research methods to the evaluation of programs and planned change interventions in organizations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 757 Observational Methods and Functional Assessment

Prerequisite: admission to the Applied Behavior Analysis program or permission of instructor.

Recommended Prerequisite: PSY 614. Current research and best practices in the area of behavioral assessment. Topics include behavioral definitions, observational recording techniques, data analysis, functional and stimulus preference assessment methods, and issues of validity and reliability of measurement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 759 Teaching of Psychology

Must be taken prior to or concurrent with first teaching of any regular or laboratory section of any course. Preparation for teaching college courses, includes development of personal philosophies of teaching; suggestions for active student learning; maintaining student motivation; preparing assignments, in-class presentations, and exams; grading; and classroom management. Designed to help graduate students prepare for their first independent college teaching experiences.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

PSY 760 Clinical Communication Skills

Prerequisite: admission to MS in psychology.

Introduction to the nature of the helping process with emphasis on strategies of behavior change, interpersonal communication, and development of basic helping skills.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 761 Ethical and Professional Issues

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis.

An exploration of ethical issues, including values, professional responsibilities, and professional ethics codes. Issues are explored both from ethical and legal perspectives. Current professional issues, such as changing modes of assessment and intervention, are examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 764 Group Psychotherapy

Prerequisite: permission of instructor.

An extensive analysis of the factors contributing to the development and maintenance of therapeutic groups in a variety of settings. The prevention and education uses of small groups and small group processes will be included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 765 Psychotherapy and Counseling: Theories and Techniques

Prerequisite: admission to MS in Psychology program.

Investigation of the major theoretical approaches and strategies of psychotherapy and counseling along with the techniques associated with each theory. Emphasis on theoretical bases and critical analysis of comparative research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 766 Psychopathology

Prerequisite: permission of instructor.

Focus is on the differential diagnosis of psychological disorders, the appropriate use of current diagnostic systems, and relevant research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PSY 767 Behavior Disorders of Childhood

Prerequisite: PSY 766.

Course focuses on assessment and treatment of common childhood behavior disorders. The course emphasizes 1) the study of biological, behavioral, cognitive, and systemic variables in the development of childhood behavior disorders; 2) training in multi-axial diagnostic assessment; and 3) interventions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 768 Personality and Social Development

A survey of the major theoretical and practical issues in the study of personality and social development. The course will focus on application of personality to universal human concerns.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 771 Occupational Health Psychology

Prerequisite: PSY 718.

An in-depth consideration of the psychological principles, theory, research, applications and problems associated with occupational stress, safety and health. Topics include personal, organizational, work-related and social antecedents to stress, as well as the short-term and long-term responses to stress.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 772 Performance Assessment

Prerequisite: PSY 716 and PSY 745.

An in-depth consideration of theory, research, applications and problems of performance assessment in organizations. Topics include criterion development and validation, models of effectiveness, performance appraisal, methods and sources of evaluation, performance feedback, team performance measurement, and biases in assessment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 773 Human Factors

Prerequisite: PSY 751.

Provides an introduction to human factors engineering (ergonomics) primarily in the workplace. Involves emphasis on analyzing job requirements, human capabilities, human-machine interactions, and safety.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 774 Training and Development

Prerequisite: PSY 716 and PSY 718.

An in-depth consideration of theory, research, applications, and problems in the design, conduct and evaluation of training programs in organizational settings. Topics include needs assessment, theories of learning and motivation, transfer of training, and evaluation of training processes and outcomes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 776 Personnel Selection, Placement and Classification

Prerequisite: PSY 716 and PSY 745.

An in-depth consideration of the theory, research, applications, and problems in matching of individual needs, preferences, skills and abilities with the needs and preferences of organizations. Topics include job analysis, theories of human performance, test development and use, alternative selection techniques, EEO law, criterion development, and validation of selection decisions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 777 Conceptual Foundations of Applied Behavioral Science

Prerequisite: admission to Applied Behavior Analysis program or permission of instructor.

The course addresses the history of behavior analysis, philosophy of science, advanced behavioral principles and processes and their application to various content domains in the behavioral, social, and cognitive sciences (e.g., emotion, language, cognition, and culture).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 778 Group Processes

Prerequisite: PSY 718.

An in-depth consideration of theory, research, applications, and problems in group processes in organizations. Topics include models and typologies of group performance, group decision making, group social influence and ecology, leadership, and team staffing and development.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 779 Topics in Industrial/Organizational Psychology

Prerequisite: PSY 716 and PSY 718.

Advanced study of selected topics in I/O psychology . Course requirements include extensive readings and a paper. May be repeated if different topics for a maximum of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PSY 780 Social Psychology

Prerequisite: admission to the MS in Psychology program.

Advanced study of interactions and social cognition, including attitude change, person perception, and group dynamics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PSY 796 Practicum

Prerequisite: admission to the MS in Psychology or Applied Behavior Analysis program.

Offers an opportunity for the graduate student to gain additional training through field experiences in research, clinical or organizational settings. Such experience need not be confined to the campus. Variable content course. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

PSY 797 Directed Research

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.

Offers an opportunity for the graduate student to gain additional training through guided research. Such research need not be confined to the campus. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

PSY 798 Internship

Prerequisite: PSY 796 and permission.

Supervised fieldwork in a professional psychology setting. Includes a seminar paper as a requirement.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

PSY 799 Thesis

Prerequisite: admission to MS in Psychology or Applied Behavior Analysis program.

Independent research and study leading to the completion of the thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Gerontology (GER) courses

GER 697 Special Topics in Gerontology





Recommended Prerequisite: 12 hours of Gerontology. In-depth inquiry into selected interdisciplinary topics of contemporary interest in gerontology. Variable content course. May be repeated to a total of 6 hours when topic changes. May be taught concurrently with GER 597. Cannot receive credit for both GER 597 and GER 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |



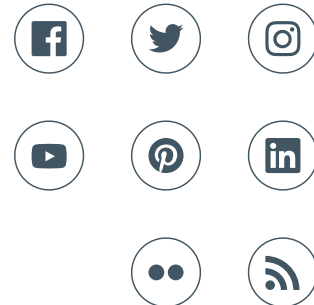
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Applied Behavior Analysis



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Michael Clayton, Program Director

Hill Hall, Room 404;

Phone 417-836-3783

<http://psychology.missouristate.edu/aba/> (<https://psychology.missouristate.edu/ABA/default.htm>)

MClayton@missouristate.edu (<mailto:MClayton@missouristate.edu>)

The Master of Science degree in Applied Behavior Analysis is a joint effort between the Psychology Department and the Department of Counseling, Leadership and Special Education. The coursework consists of 27 credit hours of classroom work and 6 credit hours of practicum work. Also, students will complete an empirically-based 6 credit thesis project as a culminating experience. Successful completion of the program will result in having met the course sequence and supervised practicum criteria to set for the national certification examination and become a Board Certified Behavior Analyst. A unique feature of the program is the specialized training opportunities for those who will be working within school settings. Students who complete this program will be trained to be experts in Applied Behavior Analysis so to (1) employ research based instructional strategies for special populations (specifically students with Autism Spectrum Disorders) in clinical, school and home based

settings and (2) to become competent scientist-practitioners and researchers in experimental and applied behavioral science.

Admission to our Master's program is **very competitive**. Hence, the **application deadline is February 15th**. All application materials, including recommendation letters, should be submitted by February 15th.

Admission requirements

To be considered for admission into the Applied Behavior Analysis Program students must meet the following requirements:

1. Completion of a bachelor's degree from a regionally accredited undergraduate university.
2. Maintained a cumulative grade point average (GPA) of 3.0 in undergraduate and graduate work and a 3.25 in major field.
3. Applicants with a Psychology major must have maintained a 3.25 in all psychology coursework and completed at least 20 semester hours or 30 quarter hours of psychology, including coursework in statistics and research methods.
4. Applicants with an Education major with an emphasis in Special Education must have maintained a 3.25 PGA in the professional education courses and the certificate subject area of Special Education.
5. The following Graduate Record Examination (GRE) scores are recommended as minimum scores for consideration of applicants: A Verbal Reasoning score of 151 or higher; a Quantitative Reasoning score of 142 or higher; and an Analytical Writing score of 3.5.
6. All applications to the graduate program will be required to complete a Family Care Safety Registry background check. If you are a Missouri resident and have not completed the Family Care and Safety Registry (FCSR) form, please do so now.

Accelerated Master's degree option

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count a course toward the Master's degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, the Department Head of Psychology, and the Dean of the Graduate College. Enrollment in these courses must be done by using a mixed credit form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the courses. See the Graduate College for further information.

Accelerated Option Admission Requirements

1. Junior standing, with an overall GPA of 3.25 or better
2. Completion of PSY 121 and PSY 150 with a B or higher
3. Acceptance of the applicant by the graduate faculty under the accelerated masters option

Accelerated Option Mixed Credit Options

If accepted to the accelerated program, up to 12 hours of course work may apply to both the undergraduate and graduate degrees, including, but not limited to:

- [PSY 614](#). Introduction to Applied Behavior Analysis
- [PSY 747](#). Single Subject Research Design in Applied Behavior Analysis
- [PSY 757](#). Observational Methods & Functional Assessment
- [PSY 761](#). Ethical and Professional Issues

- [PSY 777](#). Conceptual Foundations of Applied Behavioral Science

Degree requirements

Required Courses (total of 39 hours)

| Course Code | Course Title | Credit Hours |
|--|--|--------------|
| PSY 614 | Introduction to Applied Behavior Analysis | 3 hrs |
| SPE 618 | Applications of Applied Behavior Analysis and Interventions for Teachers in Applied Settings | 3 hrs |
| SPE 626 OR PSY 757 | Applied Behavior Analysis for Developmental Disabilities & Autism in Applied Settings OR Observational Methods & Functional Assessment | 3 hrs |
| PSY 747 | Single Subject Research Design in Applied Behavior Analysis | 3 hrs |
| PSY 777 | Conceptual Foundations of Applied Behavioral Science | 3 hrs |
| PSY 761 | Ethical and Professional Issues | 3 hrs |
| PSY 797 OR SPE 710 | Directed Research OR Problems in Special Education | 3 hrs |
| PSY 796 OR SPE 791 | Practicum OR Clinical Practicum for Individuals with Autism and Challenging Behavior | 6 hrs |
| PSY 799 OR SPE 799 | Thesis | 6 hrs |

Elective Courses: select two of the following courses (6 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PSY 602 | Learning Theories | 3 hrs |
| SPE 626 | Applied Behavior Analysis for Developmental Disabilities and Autism in Applied Settings | 3 hrs |
| SPE 627 | Research-Based Strategies for Individuals with ASD | 3 hrs |
| PSY 629 | Psychological Tests and Measurements | 3 hrs |
| PSY 695 | Specialized Topics in Psychology | 3 hrs |

| | | |
|-------------------------|--|-------|
| PSY 745 | Statistics and Research Design | 3 hrs |
| PSY 767 | Behavior Disorders of Childhood | 3 hrs |
| SPE 780 | Impact of Contemporary Issues & Diversity in Special Education | 3 hrs |

Thesis Project Requirement

A 6 credit hour experimental thesis is required. Experimental thesis here implies a research project that involves a manipulation in an applied or experimental lab setting that employs a Single-Subject design experiment (e.g., ABAB, Multiple Baseline, or Changing Criterion) and appropriate subsequent data analysis.



Board Certified Behavior Analyst

Students who decide to pursue Board Certified supervised practicums should consult early (the first semester) with their respective Psychology or Special Education advisor to arrange opportunities and to apply for Board Certified supervised practicum placement. Students who are interested in obtaining certification must ensure that the practicum courses meet the Behavior Analyst Certification Board requirements (e.g., supervision by a Board Certified Behavior Analyst, allocation of hours to a variety of professional activities, record keeping, etc.). It is possible that students who are destined for a Ph.D. in Behavior Analysis would not choose to seek Board Certified supervised practicums, but rather they would focus on basic and/or applied research practicums.



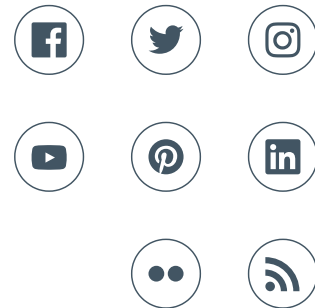
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Danae Hudson, Program Director (Clinical Option)

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<http://psychology.missouristate.edu/clinical/> (<http://psychology.missouristate.edu/clinical/>)

DanaeHudson@MissouriState.edu (<mailto:DanaeHudson@MissouriState.edu>)

Carol Shoptaugh, Program Director (Industrial/ Organizational Option)

Hill Hall, Room 213E; Phone 417-836-5788

<http://psychology.missouristate.edu/io/> (<http://psychology.missouristate.edu/io/>)

CarolShoptaugh@missouristate.edu (<mailto:CarolShoptaugh@missouristate.edu>)

D. Wayne Mitchell, Program Director (Experimental Option)

Hill Hall, Room 202C; Phone 417-836-6941

<http://psychology.missouristate.edu/experimental/> (<http://psychology.missouristate.edu/experimental/>);

WayneMitchell@missouristate.edu (<mailto:WayneMitchell@missouristate.edu>)

This program is designed to educate qualified students in sub-disciplines of psychology and includes extensive and necessary research training and internships.

The Industrial and Organizational program option received full membership/certification from the Council of Applied Master's Programs in Psychology (CAMPP) in April 2005. Full membership indicates that the program complies with the general standards for education and training for applied master's programs.

Program description

The MS Psychology degree program consists of three options: Clinical, Industrial/organizational, and Experimental.

Entrance requirements

Admission to our Master's program is very competitive and decisions regarding acceptance will begin March 1. Hence, the application deadline is February 15th. All application materials, including recommendation letters, should be submitted by February 15th.

1. To be considered for admission to the program, a student must submit a Graduate Application and the departmental application.
2. The Graduate Application and application fee, as well as the following materials, must be submitted.
 - a. transcripts from all undergraduate and graduate institutions that the student has attended; and
 - b. GRE scores including Quantitative, Verbal and Critical Thinking and Writing.
3. Additional materials to be submitted before the application will be considered:
 - a. a formal application, including a statement of career goals and detailing experience in the community, research, or other relevant non-classroom activities; and
 - b. at least three (3) letters of recommendation (including at least two (2) from college-level teachers who are well acquainted with the student's academic achievements).
4. Admission to the program requires the following minimum criteria:
 - a. completion of a baccalaureate degree from a regionally accredited college or university;
 - b. cumulative GPA of 3.00 on a 4.00 scale in undergraduate and graduate work and 3.25 in the major field;
 - c. a 3.25 GPA in at least twenty (20) semester hrs or thirty (30) quarter hours of Psychology courses including courses in both statistics and research methods;
 - d. submission of the Graduate Record Examination (GRE) scores, with a recommended Verbal Score of 151 or higher and Quantitative Score of 142 or higher.

A student who does not meet all the above criteria, but who demonstrates outstanding potential, may be considered on the basis of individual merit by the Graduate Admissions Committee and accepted on probationary status.

Additional program requirements

Some academic programs in the health related areas will require students to pass a background security check and a drug screening. These programmatic screening policies are a result of health organizations' requirements for placement at their clinical sites. Students will be financially responsible for the background security check and drug screening. Please see each academic program requirements, applications materials and admission

standards for specific detailed information. Students who do not pass the appropriate screenings may not be able to complete the program or practice professionally.

Clinical Option

The specific purpose of the clinical option is to develop in students the ability to make basic diagnostic decisions, administer psychological tests, and perform basic counseling. Graduates would be qualified to enter a variety of positions that require basic clinical skills but which do not require a licensed psychologist.

Objectives of the clinical psychology Track include:

1. the development of skills in the administration of psychological tests, including intelligence and personality tests;
2. the development of basic skills in the diagnosis of psychological disorders;
3. the development of a knowledge of counseling theories and a practical understanding of the application of these theories;
4. the development of good communication skills, especially interviewing and report writing;
5. the skills and background in psychology to continue growth as a professional scientist/ practitioner.

Graduates of the clinical track will have completed all the *educational* requirements necessary for licensure as a professional counselor in the State of Missouri. In order to sit for licensure, students must complete an additional 3000 hour clinical experience (beyond the educational requirements) after graduation. Graduates of the clinical track are also well prepared to pursue doctoral studies in clinical psychology or a closely related field.

Industrial/Organizational (I/O) Option

Adopting a scientist-practitioner model, the Industrial/Organizational (I/O) option is designed to develop research skills and general knowledge of I/O content areas. The focus of the track is on the application of psychological research methods and principles in a variety of settings, including business, industry, government, and non-profit organizations. Students can select either an internship or thesis option. Objectives of the I/O track include:

1. development of research and statistical skills for job analysis, performance assessment, measurement of individual differences, program development and evaluation;
2. development of a knowledge base concerning important contextual influences on behavior, including social influences, work motivation, job design, organizational theory and training and development;
3. development of an understanding of the philosophical, ethical, and legal constraints on the practice of applied psychology;
4. development of communication and interpersonal competence necessary for successful functioning in organizations.

Experimental Option

The experimental option is designed to prepare students for doctoral studies. That is, it is for those students who wish to primarily pursue an academic/research career (to teach at the university level and to conduct basic or applied research in an effort to advance the science of behavior). Objectives of the experimental track include:

1. development of skills needed to design, conduct, analyze, and report research;
2. acquisition of a broad background in psychology (theory and measurement) as well as specialized knowledge in an area of interest, such as learning, memory, and cognition; attention and perception; physiological; development; ethological or quantitative psychology.

Degree requirements

The program has been designed as a full-time, two-year (four semester) course of study. **The total number of credits required for graduation is 47 semester hours.** Because most required courses will not be offered nights or weekends, and the Practicum, Internship, Directed Research, and Thesis require time blocks available during the day, a student will be unable to complete all of the degree requirements on a part-time basis. The student must maintain a cumulative GPA of 3.25 or better, show satisfactory progress toward completion of degree requirements, and correct any unsatisfactory performances.

If deficiencies are not removed during the succeeding semester, the student may be terminated from the program.

Students are expected to conform to the Ethical Principles and Code of Conduct of the American Psychological Association. All students will be evaluated periodically on performance in course work, development of research skills, and professional development. Performance of assistantship duties will also be evaluated if applicable.

The purpose of these periodic evaluations is to determine if the student's continuation in the program is warranted. Evaluation procedures are available in the departmental office.

Core requirements (Required for all options)

| Course Code | Course Title | Credit Hours |
|---|---------------------------------|---------------|
| PSY 745 | Statistics and Research Design | 3 hrs |
| PSY 752 | Research Methods | 3 hrs |
| PSY 761 | Ethical and Professional Issues | 3 hrs |
| PSY 780 | Social Psychology | 3 hrs |
| PSY 796 | Practicum | 6 hrs |
| PSY 798 OR PSY 799 | Internship or Thesis | 3 hrs |
| | Total | 21 hrs |

Industrial/Organizational Option Requirements

| Course Code | Course Title | Credit Hours |
|-------------------------|-----------------------------------|--------------|
| | Required Core Courses – see above | 21 hrs |
| | Required I/O Courses – see below | 21 hrs |
| PSY 716 | Personnel Psychology | 3 hrs |
| PSY 718 | Organizational Psychology | 3 hrs |
| PSY 750 | Advanced Survey | 3 hrs |

| | | |
|---|----------------------|--|
| PSY 798 OR PSY 799 | Internship or Thesis | 3 hrs (total of 6 hrs in core and track) |
|---|----------------------|--|

Plus at least three (3) courses from the following list:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|------------------|
| PSY 753 | Program Evaluation | 3 hrs |
| PSY 771 | Occupational Health Psychology | 3 hrs |
| PSY 772 | Performance Assessment | 3 hrs |
| PSY 773 | Human Factors | 3 hrs |
| PSY 774 | Training and Development | 3 hrs |
| PSY 776 | Personnel Selection, Placement and Classification | 3 hrs |
| PSY 778 | Group Processes | 3 hrs |
| PSY 779 | Topics in Industrial/Organizational Psychology | 3-9 hrs |
| | Electives: Graduate courses chosen from the offerings of Psychology, Management, Communications and Mass Media, and other departments must be approved by the student's committee. | minimum of 5 hrs |

Clinical Option Course Requirements

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| | Required Core Courses – see above | 21 hrs |
| | Required Clinical Courses – see below | 26 hrs |
| PSY 720 | Individualized Intelligence Test | 3 hrs |
| PSY 740 | Psychological Assessment | 3 hrs |
| PSY 760 | Clinical Communication Skills | 3 hrs |
| PSY 765 | Psychotherapy & Counseling: Theories & Techniques | 3 hrs |
| PSY 764 | Group Psychotherapy | 3 hrs |
| PSY 766 | Psychopathology | 3 hrs |
| | Electives: With approval of the advisor, 600- and 700-level | 8 hrs |

| | | |
|--|---|--|
| | courses from Psychology and other departments may be used to complete the electives.. | |
|--|---|--|

Experimental Option Course Requirements

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--|
| | Required Core Courses – see above | 21 hrs |
| | Required Experimental Track Courses – see below | 26 hrs |
| PSY 750 | Advanced Survey | 3 hrs |
| PSY 799 | Thesis | 3 hrs (total of 6 hrs in core and track) |
| | <i>Plus 4 courses selected from the following:</i> | 12 hrs |
| PSY 606 | Perception | 3 hrs |
| PSY 614 | Introduction to Applied Behavior Analysis | 3 hrs |
| PSY 612 | Personality Theory and Systems | 3 hrs |
| PSY 619 | Cognitive Development | 3 hrs |
| PSY 622 | Physiological Psychology | 3 hrs |
| PSY 625 | Motivation and Emotion | 3 hrs |
| PSY 629 | Psychological Tests and Measurements | 3 hrs |
| PSY 634 | Psychology of Infancy | 3 hrs |
| PSY 701 | Symposium in Psychology | 3 hrs |
| PSY 703 | Human Growth and Development | 3 hrs |
| PSY 708 | Memory | 3 hrs |
| PSY 751 | Seminar in Methods of Research | 3 hrs |
| | Electives: Under direction of the student's committee, 600- and 700-level courses from psychology and other departments may be used to complete the electives. | 8 hrs |

Comprehensive Examination

A written comprehensive examination must be passed by the candidate before a degree will be granted.

Description of Culminating Experiences

Culminating experiences are crucial to the MS in Psychology program because these experiences are typically a major consideration in employment and in opportunities for doctoral study. Students must complete six hours of either [PSY 798](https://graduate.missouristate.edu/catalog/PSY_courses.htm#PSY798) (Internship) or [PSY 799](https://graduate.missouristate.edu/catalog/PSY_courses.htm#PSY799) (Thesis), or three hours for the Clinical option, before they earn their degrees.

Internships will be congruent with program goals and will be conducted in sites appropriate to the career goals of each student. For each credit hour, students must serve 60 hours at the internship agency. Evaluation of student performance will come from two sources: first, supervisors and caseworkers at the agency, and second, university faculty including the Graduate Program Coordinator and the director of the internship. Besides providing extensive, supervised fieldwork, the internship will allow students to integrate theoretical and research knowledge with specific aspects of the applied experience.

The primary purpose of the thesis is to allow the student to establish and demonstrate research competency. In the pursuit of this goal, students will learn the following:

- a. How to identify an original and significant research problem;
- b. How to conduct comprehensive background literature searches on the topic;
- c. How to collect, analyze, and interpret data; and
- d. How to communicate research results in a scientifically lucid fashion.




The written thesis followed by an oral defense will serve this function.



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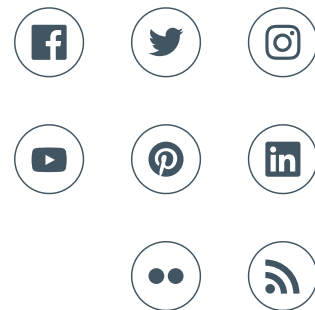
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Missouri State

Graduate College

Graduate Catalog

Secondary Education: Social Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements


A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs

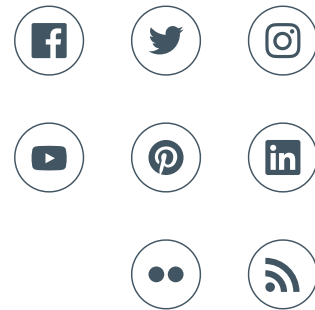


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Missouri State

Graduate College

Graduate Catalog

Forensic Child Psychology



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Graduate programs

Certificate In Forensic Child Psychology

Paul Deal, Certificate Program Director

Hill Hall, Room 313; Phone: 417-836-5797

Psychology@MissouriState.edu (mailto:Psychology@MissouriState.edu)

Program description

A 12 credit hour Missouri State University Graduate Certificate in Forensic Child Psychology (FCP) is available to nondegree-seeking individuals or as a component of the Masters degree in Psychology, experimental track. The certificate is also offered to support professionals in criminology, social work, medicine, and other related specialties. The certificate will not involve training in how to complete forensic interviews; however, it is offered to support professionals who must interact with children in a forensic setting and must take action to safeguard the integrity and reliability of the child's memory of their experiences. It is also useful to help these professionals understand the course and purpose of practices associated with children in the forensic environment, including courtroom experiences.

Admission criteria

Submit a Graduate College Application to apply for the program. (For those currently attending MSU as a master's student, no additional application fee will be required). Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

Admission deadline

Applications should be submitted at least one month prior to the semester you wish to begin.

Program of study

Following admission to the certificate program, a student should work with the certificate program advisor to determine which courses will be taken towards the certificate. Keep in mind that courses taken for undergraduate credit cannot be used on the Plan of Study for a graduate certificate.

Required courses

| Course Code | Course Title | Credits |
|-------------------------|--|---------|
| PSY 604 | Forensic Child Psychology | 3 hrs |
| PSY 617 | Psychology of Child Abuse and Exploitation | 3 hrs |
| PSY 657 | Forensic Psychology: Child Abuse and the Law | 3 hrs |
| PSY 797 | Directed Research | 3 hrs |
| | Total | 12 hrs |


Completion Requirements

During the semester in which the final course requirement is being completed, student's must apply for completion of the certificate (by submitted an online Application for Graduation). This can be done through the Student tab, My Graduate College channel in My Missouri State.


Prior to applying to complete the certificate, the student must complete and pass a comprehensive examination which covers material from the core courses (PSY 604, PSY 617 and PSY 657). A passing score is 70% correct on this examination.




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Graduate Catalog

Statistics and Research Design



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Graduate programs

Certificate in Statistics and Research Design

Carly Yadon, Program Director

Hill Hall, Room 410; 417-836-5836

CarlyYadon@MissouriState.edu (mailto:CarlyYadon@MissouriState.edu)

Program description

The Statistics and Research Design certificate is targeted to students who are already in or entering a research oriented field to supplement their knowledge in statistical techniques and applied research areas. Prospective students may enroll in the fall, spring, or summer semester. Once admitted, they must complete 12 credit hours selected from the course list in order to receive the Certificate. Students may attend full-time or part-time.

Admission criteria

1. The student must hold a bachelor's degree from a regionally accredited program.

2. The student must submit the Graduate Application.

Required courses – 6 hours

| Course Code | Course Title | Credit Hours |
|-------------|--------------------------------|--------------|
| PSY 745 | Statistics and Research Design | 3 hrs |
| PSY 752 | Research Design | 3 hrs |


Additional electives – 6 hours

| Course Code | Course Title | Credit Hours |
|-------------|--|--------------|
| PSY 627 | Advanced Psychological Statistical Methods | 3 hrs |
| PSY 751 | Seminar in Methods of Research | 3 hrs |
| PSY 747 | Single Subject Research Design in Applied Behavior Analysis | 3 hrs |
| PSY 629 | Psychological Tests and Measurements | 3 hrs |
| | | |
| | The following courses may be allowed with approval of coordinator based on topic | |
| PSY 701 | Symposium in Psychology | 3 hrs |
| PSY 796 | Practicum | 3 hrs |
| PSY 797 | Directed Research | 3 hrs |
| PSY 798 | Internship | 3 hrs |



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Missouri State


Graduate College

Graduate Catalog

Department of Public Health and Sports Medicine

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Athletic Training \(MATC, MS\)](#)

[Health Promotion and Wellness Management \(MS\)](#)

[Public Health \(MPH\)](#) 



Certificates

[Health Programming](#) (Certificate)

[Public Health and Homeland Security](#) (Certificate)

[Public Health Administration](#) (Certificate)

[Public Health Core](#) (Certificate)

Contact

Department head

Tona Hetzler

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Room 160

Phone

417-836-8553

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Email

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(mailto:SportsMedicine@missouristate.edu)

Website

[PHSM.MissouriState.edu](https://phsm.missouristate.edu)


(https://phsm.missouristate.edu/)




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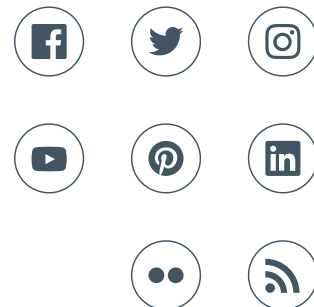
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Graduate College

Graduate Catalog

Public Health and Sports Medicine Graduate Faculty

Professor

David Claborn

Dalen M. Duitsman

Tona Hetzler

Visiting professor

Maxwell Barffour

Associate professors

W. David Carr

Michael Hudson

Melinda Novik

Clinical associate professor

Allan Liggett

Assistant professor

Kip Thompson

Clinical instructor

Shannon Derricks

Instructors

Brandon Hetzler

Jim Raynor

Visiting instructor

Christian McCall

Emeritus faculty





Gary Ward

Per course instructors

Kristin Paloncy

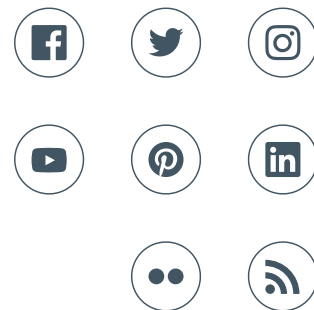


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Missouri State

Graduate College

Graduate Catalog

Public Health and Sports Medicine Courses

Public Health (PBH) courses

PBH 710 Clinical Epidemiology

This course is an introduction to the epidemiological methods and procedures utilized in a clinical environment. The course will include the study of infectious and non-infectious disease epidemiology. Students will learn how to use basic epidemiological concepts and methods in the clinical setting in order to make better decisions regarding evidence based medicine and quality of care. Basic statistical measures used in the analysis of clinical and epidemiologic evaluations, including measures of disease frequency and measures of absolute and relative effects, will be covered. Additional topics include accessing and evaluating sources of data, qualitative and quantitative systematic reviews of literature based evidence, and meta-analyses. This course cannot be counted toward the Master of Public Health. It is designed for students in clinical fields such as nursing practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PBH 720 Epidemiology

An introduction to the epidemiological methods and procedures utilized in the study of the origin, distribution, and control of disease. It will include the study of infectious and non-infectious disease etiology, including vector control, host defenses and resistance, and investigation of disease outbreaks. Students will learn to use basic epidemiological concepts and methods for program planning, evaluation, and research. Basic statistical measures used in the analysis of clinical and epidemiologic evaluations, including measures of disease

frequency and measures of absolute and relative effects, will be covered. Identical with NUR 700. Cannot receive credit for PBH 720 and NUR 700.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PBH 730 Biostatistics in Health Sciences

This course is an introduction to biostatistical methods in the context of public health and medical sciences. Major topics will include: research design and measurement, sampling, exploratory data analysis, probability and sampling distributions, hypothesis testing, contingency table analysis, nonparametric methods, correlation, linear regression, logistic regression and survival analysis. Emphasis will be on developing an understanding of these methods and drawing appropriate conclusions from analysis findings. Students will also be introduced to statistical programming packages.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PBH 735 Software Applications and Data Sources in Public Health

Prerequisite: permission of instructor.

This course will provide an overview of important software and databases that are commonly used in public health surveillance, program planning and research. Students will learn to access, analyze, and interpret morbidity and mortality data from a variety of national and statewide data sources (e.g., NHANS, BRFSS, MICA, CDC Wonder, vital statistics). Data will be analyzed descriptively using statistical software including Excel, CDC's EpiInfo, SPSS and/or SAS.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PBH 740 Health Behavior

This course examines selected theories of health behavior relevant to individual and community health promotion program planning. Students will analyze biological, psychological, sociological, and environmental influences on health behavior and evaluate strategies for health promotion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PBH 745 Environmental Health

This course will investigate and examine the relationships of environmental health problems to human health. Students will survey the major environmental issues facing developed and developing countries. Topics include water supply, air and noise pollution, sewage treatment and waste disposal, pest and pesticides, toxic waste, energy alternatives, food and drug quality assurance, population control, and environmental disease control.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PBH 756 Introduction to Public Health

This course will provide a general introduction to public health. It will discuss the history of public health; international, federal, state, and local agencies; voluntary health agencies; professional health organizations; the legislative process as it relates to public health, environmental health, health promotion, basic public health statistics and an introduction to epidemiology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PBH 758 Contemporary Issues in Public Health

In-depth consideration of pertinent issues, trends, controversy, and current research in public health.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PBH 760 Research Methods in Public Health

This course is designed to help students gain the necessary knowledge and skills for undertaking research on issues related to public health.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PBH 772 Toxicology and Hazardous Materials

A study of toxic substances and their effects in the environment and in living organisms. This course also includes a study of safety methods for identifying, monitoring, handling, processing, containing, storing, and disposing hazardous and toxic substances in the environment and workplace. Students are encouraged to have had courses in physiology, biochemistry and/or pharmacology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PBH 775 Principles and Skills of Public Health Administration

This course is designed to provide a comprehensive overview of the administrative, managerial and organizational practices of health professionals in a variety of settings. Opportunities for the development and application of administrative competencies in health education/health care settings will be provided.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PBH 778 Chronic Disease Epidemiology

This course examines problems and methods used in studying chronic diseases. Focus will be on the collection and interpretation of chronic disease data, and application of epidemiological and statistical principles pertaining to cancer, cardiovascular diseases, cerebrovascular diseases, chronic lung diseases, diabetes, musculoskeletal diseases, neurologic disorders and other chronic diseases.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PBH 781 Public Health Preparedness

This course will investigate the health risks and hazards associated with emergency situations, and the roles of public health professionals and volunteers in the preparation for and response to emergencies and disasters.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PBH 783 International Health and Infectious Disease

This course will investigate the epidemiology, impact, and control of infectious diseases in the context of the international environment. Topics will include the structure and financing of health systems in the developing world, the medical community's ability to respond to infectious disease risks, and the specific impacts of major infectious diseases with an emphasis on tuberculosis, AIDS, and malaria. This course is not a clinical course and will not address the diagnosis or treatment of disease.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PBH 785 Seminar in Public Health

Prerequisite: permission of Program Director.

Variable topics course. The study, analysis, and discussion of timely issues in public health. May be repeated for credit if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PBH 788 Public Health Practicum

The Public Health practicum is required of all students enrolled in the Professional Option of the MPH program. It will involve developing, implementing and establishing a public health intervention that includes, reflects, and integrates public health principles, theory, and practice as identified in the Masters in Public Health curriculum. All required courses must be completed in order to be eligible. Project selection must be approved by the course instructor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Upon demand |

PBH 790 Independent Study in Public Health

Prerequisite: permission of instructor and Program Director.

The independent study in Public Health is a carefully planned experience which allows the advanced student to investigate a clearly defined problem that will enhance their academic preparation. May be repeated for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PBH 798 Public Health Field Experience

Prerequisite: students must have successfully completed 33 hours including all public health core and other required courses and passed the core course exam.

The required field experience provides experience in program development, community relations, public education, and research. Possible sites include: official health agencies, voluntary health agencies, or community social agencies. Selection is dependent on the students' backgrounds and career expectations. Students may choose to spend their entire time in one agency, or, for shorter periods, in 2 or more agencies. The field experience can be done during the fall, spring, or summer and can be no less than 200 hours. All field experiences must be approved by the field experience faculty supervisor and the Program Director to ensure the site acceptability. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

PBH 799 Capstone Project in Public Health

Prerequisite: admission to the Master of Public Health program.

The Capstone Project provides students the opportunity to integrate knowledge gained in the classroom with real-world problems through completion of a major research, program planning, policy development, management, service delivery, or evaluation project. Some aspect of the project must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' finding, or the design and completion of a community project. While student led, the project is designed in consultation with, and carried out under the guidance of, a faculty supervisor. Student must have the capstone project proposal form approved by the faculty supervisor and Program Director prior to enrollment.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

Health (HLH) courses

HLH 700 Research Methods in Kinesiology

Nature of research methodology, experimental design and scientific writing. Opportunity to explore research literature and to conduct research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HLH 710 Introduction to Health Promotion and Wellness Management

This is an introductory course in which students will gain a general understanding of the health promotion and wellness management (HPWM) field. The job opportunities, history, mission, terminology, philosophy, ethical principles, organizations, concepts and foundations of HPWM will be explored.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HLH 750 Programming Approaches in Wellness/Health Promotion

Organizational and administrative approaches utilized in the conduct of wellness/health promotion programs will be studied. Emphasis will be placed upon the selection, development, promotion, conduct, and evaluation of the various components of wellness/health promotion programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HLH 752 Health Risk Identification and Management

Procedures and instrumentation utilized in the identification and assessment of risk factors associated with cardiovascular and other major life-style generated diseases and conditions will be studied. Emphasis will be placed upon the utilization of risk factor data in the conduct of a wellness/health promotion program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HLH 760 Health Promotion Planning

A culminating course in the MS in Health Promotion and Wellness Management degree program. This course will focus on the development of health promotion in the workplace: Topics discussed will include effects of health promotion, the compression of morbidity, developing awareness strategies, health assessments, theories of health behavior (self-efficacy, social learning theory, health belief model, theory of planned behavior, stages of change theory), and evaluating existing workplace health promotion programs (physical activity in the workplace, worksite nutrition programs, worksite weight management, tobacco control and cessation, and stress management). The current professional literature related to health promotion will also be reviewed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HLH 770 Seminar in Health Promotion and Wellness Management

Review of the professional literature relating to current issues in health promotion and wellness. Topics researched and discussed include health care ethics, diversity, cultural aspects, long-range planning, public relations, legal considerations, and grant-writing. Includes guided development and completion of an extensive research paper.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HLH 791 Wellness Internship

Prerequisite: permission of Health Internship Coordinator.

Supervised field experience in a health promotion or health care setting. Directly involves the student in the application of organizational skills and wellness manager skills. Student must complete a minimum number of clinical hours. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall |

Athletic Training (ATC) courses

ATC 601 Foundations of Athletic Training

Prerequisite: permission of program director.

This course will cover various aspects of the history, development, socialization and standards of practice of the athletic training profession. Key terms and concepts utilized in the field, areas of practice, roles and responsibilities, and other essential knowledge and skills for the athletic training profession will be discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

ATC 602 Foundations of Therapeutic Intervention

Prerequisite: permission of program director.

This course will provide a foundation of knowledge for injury/illness evaluation and therapeutic intervention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Summer |

ATC 604 Clinical Skills in Athletic Training

Prerequisite: permission of program director.

Students are introduced to various procedures, techniques, principles and theories relative to development of injury and illness prevention and essential immediate and emergency management clinical skills required of an athletic trainer.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 3 | Summer |

ATC 610 Leadership Theory and Issues in Athletic Training

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specifically to aspects of the practice of athletic training).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

ATC 612 Human Movement

This course will address the neuromotor coordination and integration of human movement. Concepts of brain mapping, the visual and vestibular systems, movement, and disassociation will be addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall |

ATC 620 Leadership Concepts in Athletic Training

This course covers an examination and application of leadership and professional theories and the attributes, behaviors, and values necessary for leadership in health professions (specially to aspects of the practice of athletic training.) The organization and function of professional associations, activities that serve the professional community and service to the public, the AT's role in healthcare delivery systems, outcome measurement, the role of evidence-based practice in the AT profession, cultural competence, and medical legal situations will also be covered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 1 | Spring |

ATC 622 Athletic Training Practicum I

Prerequisite: permission of program director.

This is a supervised, 16-week clinical experience designed to provide students familiarity with the athletic training profession and a variety of work settings. Emphasis will be placed on the foundational behaviors of athletic training, professional communication skills and an understanding of pertinent clinical practice topics and issues. Students may be required to be in attendance during periods when regular university classes are not in session.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | | | Fall |

ATC 623 Patient Evaluation I

Prerequisite: permission of program director.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common conditions impacting physical activity. Content focuses on observation and evaluation techniques for injuries/impairments affecting the lower body. Students will incorporate information gained from evaluation process and assessment techniques to make a clinical diagnosis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ATC 630 Leadership Practicum

Prerequisite: ATC 610 and ATC 612.

An intensive clinical or administrative leadership experience requiring students to apply leadership knowledge and skills to real world issues. The leadership experience must also embrace the MSU public affairs mission and culminate in a meaningful response to an issue within the athletic training profession.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall |

ATC 631 AT Integrated Lab I

Prerequisite: permission of program director.

Course content emphasizes the management of patients with injuries/impairments of the lower body. Students will integrate skills and knowledge of examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment to develop and manage appropriate patient plans of care. Emphasis will be placed upon using a systematic process, critical thinking, progression of techniques, and evidence based decision making.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall |

ATC 632 Manual Therapy Techniques

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and lower extremities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

ATC 633 Therapeutic Interventions I

Prerequisite: permission of program director.

This course will cover the theoretical and practical application of interventions (therapeutic exercise, modality devices, manual techniques) designed to enhance performance and function with an emphasis on lower extremity injuries and conditions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ATC 640 Evidence-Based Practice

Course will analyze the clinical reasoning process used in health care disciplines, examine the different types and levels of clinical evidence and explore the implementation of evidence-based practice skills into the student's health care profession/practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

ATC 653 Patient Evaluation II

Prerequisite: permission of program director.

This course provides an overview of the etiology, incidence and prevalence, signs and symptoms, course and prognosis, and medical management of common conditions impacting physical activity. Content focuses on observation and evaluation techniques for injuries/impairments affecting the upper body. Students will incorporate information gained from evaluation process and assessment techniques to make a clinical diagnosis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ATC 663 Therapeutic Interventions II

Prerequisite: permission of program director.

This course builds on the knowledge and skills acquired in Therapeutic Interventions I. This course will cover the theoretical and practical application of interventions (therapeutic exercise, modality devices, manual techniques) designed to enhance performance and function with an emphasis on lower extremity injuries and conditions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ATC 671 AT Integrated Lab II

Prerequisite: permission of program director.

Course content emphasizes the management of patients with musculoskeletal injuries/impairments of the upper body. Students will integrate skills and knowledge of examination, assessment, diagnosis, prognosis, treatment, analysis of functional outcomes, and re-assessment to develop and manage appropriate patient plans of care. Emphasis will be placed upon using a systematic process, critical thinking, progression of techniques, and evidence based decision making.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

ATC 682 AT Practicum II

Prerequisite: Permission of program director.

This course is designed to provide students with continued familiarity with a variety of patients, diagnoses, age ranges, and situations; to see the roles of athletic trainers. This is a supervised, 16-week clinical experience that provides the opportunity to observe and apply knowledge and skills gained from didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | | | Spring |

ATC 697 Special Topics

Prerequisite: permission of program director.

Special study of sports medicine and athletic training. Variable content course. May be repeated to a maximum of three hours. Same topic may be repeated once.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ATC 710 Seminar in Athletic Training

Prerequisite: permission of instructor.

Provides a forum for topics germane to the clinical practice settings and transition to professional practice. Topics of interest will cover areas such as performance enhancement principles, diagnostic assessment techniques, surgical procedures, pediatric athletic medicine, clinical education principles, and current professional topics. May be repeated to a maximum of two hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Upon demand |

ATC 711 Problem Based Practice

Prerequisite: permission of program director.

Students will be engaged in real cases that develop both problem solving strategies and disciplinary knowledge. Students will be placed in the active role of problem-solvers within situations that simulates the kind of problems faced by health care providers. Emphasis will be placed upon decision making and evidence based rationale. Must be repeated to a minimum of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1 | 1 | 0 | Fall, Spring, Summer |

ATC 713 AT Practicum III

Prerequisite: permission of program director.

This course is a structured clinical experience under the supervision of a qualified preceptor. Students are expected to develop their clinical decision making skills and apply skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Summer |

ATC 723 Movement Pattern Assessment

Introduction of fundamental movement patterns of the body and how to assess these movement patterns. Concepts of neuromotor human development and how these relate to the learning/patterning of these fundamental movement patterns.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

ATC 724 AT Practicum IV

Prerequisite: permission of program director.

This course provides continued clinical practice in the form of an eight-week, immersive clinical practicum and an eight-week, integrated clinical practicum under the supervision of a qualified preceptor. Students are expected to continue to develop their clinical decision making skills and apply skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | | | Fall |

ATC 732 Applied Research Methods in Health Care

Research course in which students deepen their understanding and enhance their research abilities in order to contribute to the advancement of their chosen health care discipline. Course will explore topics of research design and research methods for conducting applied and clinical research projects with a focus on conducting outcomes-related research that can support clinical practices in the student's respective health care discipline.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ATC 733 Corrective Exercise Techniques/Movement Pattern Interventions

This course will cover the corrections of impairments and compensations to the fundamental movement patterns.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

ATC 734 Professional Development and Leadership

Prerequisite: permission of the program director.

This course introduces the student to the role of the athletic trainer as a leader within their own site, the profession, and the broader interprofessional health care system. Integration of the University's Public Affairs mission into the practice and management of fiscal management, marketing, and human resource functions. Discussion of regulatory systems, legal considerations, global issues, and ethics in the profession will be discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 4 | 0 | Fall |

ATC 741 Therapeutic Interventions III

Prerequisite: permission of program director.

This course builds on the knowledge and skills acquired in Therapeutic Interventions I and II. This course will cover the theoretical and practical application of interventions with an emphasis on manual techniques and corrective exercises.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Spring |

ATC 743 Advanced Therapeutic Interventions

Advanced concepts and evidence-based principles of rehabilitation programs. Enhancement of previously learned therapeutic exercise techniques and integration of therapeutic modalities and therapeutic exercise, including objective and functional goal setting and evaluation for appropriate progression and expedited return to activity.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

ATC 753 Pharmacology/General Medical Concepts

Prerequisite: permission of program director.

This course will expose students to various medical specialties which contribute to an understanding of comprehensive health care program. Emphasis on subject matter and skills necessary to recognize potential problems, help in understanding the interventions, and develop techniques for referral.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

ATC 773 Athletic Training Seminar

Prerequisite: permission of program director.

This course will allow students to review their previous course work, discuss current issues facing the profession, and develop personal learning plans for their future endeavors.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ATC 784 AT Practicum V

Prerequisite: permission of program director.

This course is the final clinical practicum. Students will complete both an immersive and an integrated clinical experience. Students will continue to develop their clinical decision making skills and applying skills and knowledge gained in didactic courses and clinical experiences. Students may be required to be in attendance during periods when regular university classes are not in session.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | | | Spring |

ATC 791 AT Research Project

Prerequisite: permission of program director.

In-depth scientific study of an area of interest that culminates in a scholarly paper and formal community presentation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Spring |

ATC 792 Independent Study in Athletic Training

Prerequisite: permission of program director.

The course provides opportunities to pursue specific subject areas of interest in athletic training or as needs arise which are not covered by courses or content in the program. May be repeated to a maximum of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ATC 797 Non-thesis Project

Prerequisite: ATC 732 and permission of project advisor.

Active participation in the ongoing research and/or clinical activities of athletic training faculty or clinical experience supervisor. Culminates in a presentation of an extensive scholarly paper. Must be repeated to a minimum of three hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

ATC 798 Special Topics

Prerequisite: permission of program director.

Special study of sports medicine and athletic training. Variable content course. May be repeated to a maximum of four hours. Same topic may be repeated once.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-2 | | | Upon demand |

ATC 799 Thesis

Prerequisite: ATC 732 and permission of research advisor.

Demonstration of the capacity for research and independent thought culminating in a thesis. Must be repeated to a minimum of six hours.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |




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Athletic Training



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Graduate programs

Master of Athletic Training (MATC)

Tona Hetzler, Program Director

Kampeter Health Sciences Hall, room 160

Phone: 417-836-8553

TonaHetzler@MissouriState.edu (mailto:TonaHetzler@MissouriState.edu)

Program description

The Master of Athletic Training program is a professional degree designed to prepare students to become certified athletic trainers and function as health care providers within an evolving health care delivery system. The program is accredited by the Commission on Accreditation for Athletic Training Education (CAATE).

Admission requirements

There are two admission options for the Master of Athletic Training program. Regardless of the admission pathway, to be considered for admission to program, a prospective student must apply to the program via the Athletic Training Centralized Application Services (ATCAS).

Sports Medicine pre-athletic training admission option:

1. Submission of an application to ATCAS that must include a personal statement not to exceed three pages; documented evidence of a minimum of 10 hours of observation of athletic trainers in at least two different areas of practice; two letters of recommendation (one letter from an academic source and one from an athletic trainer that supervised the observation hours);
2. A cumulative grade point average (GPA) of no less than 3.00 on a 4.00 scale;
3. International applicants whose native language is not English and do not have a U.S. degree are required to have a score on the TOEFL of 79 or higher (internet-based test) or an IELTS score of 6.0 or higher. The requirement for a TOEFL or IELTS score may be waived for applicants who meet one of the following: (i) are native English speakers or (ii) have completed a minimum of 60 semester credit hours from an accredited college or university in the United States.
4. Completion of the MSU Sports Medicine pre-athletic training pathway Pre-AT admission option requirements include successful completion of all program requirements and a minimum of 102 credit hours that include all MSU general education requirements and all MAT prerequisites as listed below:
 - Care and Prevention: (ATC 222)
 - Introduction to Sports Medicine: (ATC 220)
 - College Algebra or higher: (MTH 135 or higher)
 - Statistics: (MTH 340, MTH 545, ECO 308, QBA 237, PSY 200, SOC 302 or BIO 550)
 - Physics with lab: (PHY 123)
 - Introductory Chemistry with lab: (CHM 160 and CHM 161 or CHM 116 and CHM 117)
 - Introductory Psychology: (PSY 121)
 - General Biology/Biomedical Sciences with lab: 4-5 hrs. (BIO 121 or BMS 110 and 111)
 - Human Anatomy with lab: 4 hrs. (BMS 307)**
 - Human Physiology with lab: 4 hrs. (BMS 308)**
 - Medical Terminology: (ATC 413)
 - Exercise Physiology: 3-4 hrs. (BMS 567)
 - Biomechanics/Kinesiology: (BMS 450)
 - Nutrition: (DTN 240)
 - Provide evidence of current Emergency Cardiac Care (ECC) certification at the Basic Life Support/Professional Rescuer level or beyond.

***If students take a combined course, it must be taken across two semesters for a total of at least 8 credit hours to meet admission criteria; a single combined anatomy and physiology course WILL NOT be accepted.*

Post-baccalaureate admission option:

1. Submission of an application to ATCAS that must include a personal statement not to exceed three pages; documented evidence of a minimum of 10 hours of observation of athletic trainers in at least two different areas of practice; two letters of recommendation (one letter from an academic source and one from an athletic trainer that supervised the observation hours);
2. A cumulative grade point average (GPA) of no less than 3.00 on a 4.00 scale;
3. International applicants whose native language is not English and do not have a U.S. degree are required to have a score on the TOEFL of 79 or higher (internet-based test) or an IELTS score of 6.0 or higher. The requirement for a TOEFL or IELTS score may be waived for applicants who meet one of the following: (i) are

native English speakers or (ii) have completed a minimum of 60 semester credit hours from an accredited college or university in the United States.

4. Possession of a baccalaureate degree from an accredited college or university prior to matriculation. The undergraduate major may be in any field, but students must complete the following prerequisites - examples of Missouri State University courses listed below in parenthesis - prior to entering the program in the summer:
 - Care and Prevention: (ATC 222)
 - Introduction to Sports Medicine: (ATC 220)
 - College Algebra or higher: (MTH 135 or higher)
 - Statistics: (MTH 340, MTH 545, ECO 308, QBA 237, PSY 200, SOC 302 or BIO 550)
 - Physics with lab: (PHY 123)
 - Introductory Chemistry with lab: (CHM 160 and CHM 161 or CHM 116 and CHM 117)
 - Introductory Psychology: (PSY 121)
 - General Biology/Biomedical Sciences with lab: 4-5 hrs. (BIO 121 or BMS 110 and 111)
 - Human Anatomy with lab: 4 hrs. (BMS 307)**
 - Human Physiology with lab: 4 hrs. (BMS 308)**
 - Medical Terminology: (ATC 413)
 - Exercise Physiology: 3-4 hrs. (BMS 567)
 - Biomechanics/Kinesiology: (ATC 444)
 - Nutrition: (DTN 240)
 - Provide evidence of current Emergency Cardiac Care (ECC) certification at the Basic Life Support/Professional Rescuer level or beyond.

***If students take a combined course, it must be taken across two semesters for a total of at least 8 credit hours to meet admission criteria; a single combined anatomy and physiology course WILL NOT be accepted.*

Once accepted to the program, all students must:

1. Follow the Graduate College's procedures to activate their MSU student records.
2. Provide evidence of current physical examination including a PPD skin test or chest X-ray for tuberculosis. Evidence of appropriate follow up from an individual testing positive for TB must be provided. Matriculating students must also demonstrate evidence of good physical health and have up-to-date immunizations (MMR, tetanus, a complete Hepatitis B series, and any other vaccinations required by clinical sites).
3. Provide signed technical standard form that documents capacity for performance of the technical functions and tasks required of an athletic trainer.
4. Initiate and pay for any additional security checks and drug screening required by clinical agencies, professional memberships and licensure, as well as any other cost associated with their program of study. Students must submit drug screening test and a criminal record check and receive response that the applicant has not been convicted of any crime pursuant to Section 660.317 RSMO or other disqualifications that would prohibit licensure as an Athletic Trainer.

***Students who fail these checks or procedures will be subject to further review by the Master of Athletic Training Program Selection Committee. This may result in dismissal from the program.**

5. Provide proof of liability insurance – group rates will be available.
6. Adhere to the SMAT Code of Honor and the National Athletic Trainers' Associations Code of Ethics; students will respect the rights and dignity of all individuals.
7. Enroll on a full-time basis and progress through the program with their class.

Probationary Admission to the Program

Probationary admission may be granted to an applicant that does not meet one or more of the above program admission requirements.

1. During the probationary period, the student must work with their advisor and the program director to complete the missing requirement(s) by the end of the first summer session.

Progression and Retention Requirements

After admission into the Master of Athletic Training program, a student must achieve the following for progression in the program:

1. Remain in compliance with all Master of Athletic Training, CHHS and Graduate College policies.
2. Receive no more than 15 semester hours of graduate work below a grade of "B-", no course with a grade "C-" or below may be applied towards the Master of Athletic Training. Furthermore, a graduate student becomes ineligible for graduate study if more than 15 semester hours of "C+" or lower are earned in graduate courses taken in the degree program.
3. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of health care professionals.
4. Demonstrate acceptable professional progression in application of skills and knowledge during didactic and clinical experiences.
5. Maintain current NATA, MAATA, and MoATA membership.
6. Maintain current liability insurance.
7. Maintain current Emergency Cardiac Care (ECC) certification at the Basic Life Support/Professional Rescuer level or beyond.

Students who fail to meet the retention criteria may:

1. Be placed on academic or clinical probation in the Master of Athletic Training program, or
2. Be dismissed from the program, based on the judgment of the majority of the Sports Medicine and Athletic Training department graduate faculty.

Students on clinical probation must receive a rating of "satisfactory" or higher on all remaining AT clinical evaluations. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission into the Master of Athletic Training program. Students have the right to follow the University's appeal process on any disciplinary sanction received.

Students should refer to the Missouri State University Sports Medicine and Athletic Training *Handbook for Professional Athletic Training Students* for additional policies and procedures of the Sports Medicine and Athletic Training Department.

Degree requirements (minimum of 61 hours)

1. **Academic Advisor.** Graduate students are assigned an advisor at the time of admission. If desired, the student may select a different advisor once fully matriculated into the program. This occurs most often when a research topic is chosen and it is appropriate for a different faculty member to direct that project. The role of the graduate advisor is to:

- Assist the student in the selection of course work for his/her graduate program;
- Advise and assist the student in completion of all Missouri State University and departmental requirements for degree.

It is extremely important that students have early contact with their advisor and gain advisor approval before registering for classes. The advisor is a key person in helping individuals plan their graduate program, ensuring that classes fit the program, planning an appropriate class sequence, and providing other input that ensures a student is successful in their graduate program. All degree-seeking students must have the advisor complete an electronic release prior to registering.

Core Course (61 hours)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>ATC 601</u> | Foundations of Athletic Training | 1 hr |
| <u>ATC 602</u> | Foundations of Therapeutic Intervention | 2 hrs |
| <u>ATC 604</u> | Clinical Skills in AT | 3 hrs |
| <u>ATC 622</u> | AT Practicum I | 2 hrs |
| <u>ATC 623</u> | Patient Evaluation I | 3 hrs |
| <u>ATC 631</u> | AT Integrated Lab I | 1 hr |
| <u>ATC 633</u> | Therapeutic Interventions I | 3 hrs |
| <u>ATC 640</u> | Evidence Based Practice | 2 hrs |
| <u>ATC 653</u> | Patient Evaluation II | 3 hrs |
| <u>ATC 663</u> | Therapeutic Interventions II | 3 hrs |
| <u>ATC 671</u> | AT Integrated Lab II | 1 hr |
| <u>ATC 682</u> | AT Practicum II | 2 hrs |
| <u>ATC 711</u> | Problem Based Practice (1 hr each) | 3 hrs |
| <u>ATC 713</u> | AT Practicum III | 3 hrs |
| <u>ATC 724</u> | AT Practicum IV | 4 hrs |
| <u>ATC 732</u> | Applied Research Methods in Health Care | 3 hrs |
| <u>ATC 734</u> | Prof Dev and Leadership | 4 hrs |
| <u>ATC 741</u> | Therapeutic Interventions III | 1 hr |
| <u>ATC 753</u> | Pharmacology/General Medical Concepts | 3 hrs |
| <u>ATC 773</u> | Athletic Training Seminar | 3 hrs |
| <u>ATC 784</u> | AT Practicum V | 4 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ATC 791 | AT Research Project | 1 hr |
| ATC 797 | Non-thesis Project | 3 hrs |
| PSY 627 | Multivariate Statistical Methods for the Behavioral Sciences | 3 hrs |

Research Requirement

Completion of a non-thesis project approved by the non-thesis committee.

Non-thesis Project. Three (3) credit hours in [ATC 797](#)

(https://graduate.missouristate.edu/catalog/SportsMedAthleticTraining_courses.htm#ATC797) Non-Thesis Project will count toward a degree. IRB proposal, data collection, formal presentation, and related manuscript must be approved by the student's Advisory Committee before the degree is granted.

Comprehensive Examination

A comprehensive examination administered during the student's final year of course work must be passed by the candidate before a degree will be granted.

The Master of Athletic Training Program faculty will retain the right to consider mitigating circumstances relative to all program requirements (admissions, retention, course prerequisites, etc.) and may alter one or more of these requirements for admission and program progression. Should a student's academic sequence be interrupted for any reason, that individual must meet with the Master of Athletic Training Program faculty to determine the course of action. This decision will be on an individual basis, taking the situation and circumstances into consideration.

Master of Science in Athletic Training

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Program description

The Master of Science in Athletic Training degree is designed to prepare certified athletic trainers to function in advanced athletic training roles within an evolving health care delivery system. Students will explore topics directly related to the program's point of distinctiveness: Advanced Clinical Skills in Rehabilitation and Athletic Training Leadership.

Admission requirements

Completed applications will be reviewed beginning December 1st for admission the following fall, and will continue until the class is filled. An individual wishing to become a candidate for the MSAT degree must

complete an online [Graduate Application \(/FutureStudents/Apply.htm\)](#). In addition, candidates must submit the following materials:

1. a resume,
2. a cover letter,
3. a one page essay addressing applicant's professional career goals and how the MSAT program will help accomplish these goals,
4. Graduate Record Examination (GRE) scores,
5. BOC certification number or test date).

The Department of Sports Medicine and Athletic Training will review students with complete application materials for full admission. Admission of students for the MSAT program is selective and competitive due to limited resources. Student not accepted into the program may apply for the next application deadline. See admission processes and requirements in Graduate College section of the Graduate Catalog.

Full Admission to the MSAT Program

Full admission to the MSAT program will be based on:

1. Eligible for acceptance into the Graduate College at Missouri State University.
2. A cumulative GPA of no less than 3.00 on a 4.00 scale in the last 60 hours of college course work attempted. Consideration may also be given to an applicant whose GPA falls below the minimum if a strong GRE score has been earned or if other evidences of potential for academic success in graduate education can be presented. Graduate work will be considered on an individual basis.
3. BOC certification, eligible for the BOC or an equivalent athletic training credential (e.g., Canadian Certified Athletic Therapist).
4. Licensure as an Athletic Trainer in good standing in Missouri or eligible for licensure in Missouri.
5. A baccalaureate degree from an accredited college or university - including a Statistical Methods course (PSY 200 or equivalent).
6. Evidence of current physical examination including a TB skin test or chest X-ray. Matriculating students must also demonstrate evidence of good physical health and have up-to-date immunizations (MMR, tetanus, and a complete Hepatitis B series).
7. Provide evidence of current certification with emergency cardiac care as defined by the BOC.
8. Applicants must have the capacity for performance of the technical functions and tasks required of an athletic trainer.
9. Provide evidence of NATA, MAATA, and MoATA memberships.
10. The National Athletic Trainers' Association has a Professional Code of Ethical Conduct. All MSAT students will adhere to this Code and respect the rights and dignity of all individuals. Additionally, the SMAT Department has an honor code and pledge. All SMAT students are required to adhere to their Honor Code.

Probational Admission to the Program

Probational admission may be granted to an applicant that does not meet one or more of the above program admission requirements.

1. During the probationary period, the student shall receive no course grade lower than a B for the first nine hours of graduate course work attempted.
2. Students admitted that have not passed the BOC examination and earned the ATC credentials are considered a probational admission candidate and have one semester to earn the ATC credentials. Students that are not successful on the BOC examination within the first semester of the program will be

dismissed. Students not BOC certified will NOT be eligible for a graduate assistant position or any other employment opportunities that require BOC certification.

Retention requirements

After admission into the MSAT program, a student must achieve the following for retention in the program:

1. Maintain a GPA of 3.00, with no more than 9 semester hours of graduate work below a grade of "B", and no hours of graduate work below a "C".
2. Demonstrate acceptable professional progression in application of skills and knowledge.
3. Remain compliant with the NATA Professional Code of Ethical Conduct and SMAT Honor Code.
4. Maintain current NATA, MAATA, and MoATA membership and remain in good standing with the BOC.
5. Maintain current AT license and be in good standing with the Missouri Board of Health Arts.
6. Maintain current certification with emergency cardiac care as defined by the BOC.
7. Maintain evidence of good physical health and up-to-date immunizations (MRR, tetanus, and a complete Hepatitis B series).

Students who fail to meet the retention criteria may:

1. Be placed on academic or clinical probation in the MSAT program, or
2. Be dismissed from the program, based on the judgment of the majority of the Sports Medicine and Athletic Training department graduate faculty. Students who fail to meet the probationary criteria or are dismissed from the program are not eligible for readmission into the MSAT program. Students have the right to follow the University's appeal process on any disciplinary sanction received.
3. Students should refer to the Missouri State University Sports Medicine and Athletic Training *Handbook for Graduate Athletic Training Students* for additional policies and procedures of the Sports Medicine and Athletic Training Department.

Degree requirements (minimum of 36 hours)

1. **Academic Advisor.** Graduate students are assigned an advisor at the time of admission. If desired, the student may select a different advisor once fully matriculated into the program. This occurs most often when a research topic is chosen and it is appropriate for a different faculty member to direct that project. The role of the graduate advisor is to:

- Assist the student in the selection of course work for his/her graduate program;
- Evaluate transfer credits as acceptable for meeting requirements;
- Recommend acceptance or rejection of all graduate course work toward the program of study as shown in the student's degree audit; and
- Advise and assist the student in completion of all Missouri State University and departmental requirements for degree.

It is extremely important that students have early contact with their advisor and gain advisor approval before registering for classes. The advisor is a key person in helping individuals plan their graduate program, ensuring that classes fit the program, planning an appropriate class sequence, and providing other input that ensures a student is successful in their graduate program. All degree-seeking students must have the advisor complete an electronic release prior to registering via the web, in person, or by fax or mail registration.

1. **Core Course** (33-36 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------------|
| ATC 610 | Leadership Theory and Issues in Athletic Training | 2 hrs |
| ATC 612 | Human Movement | 2 hrs |
| ATC 620 | Leadership Concepts in Athletic Training | 3 hrs |
| ATC 630 | Leadership Practicum | 1 hr |
| ATC 632 | Manual Therapy Techniques | 3 hrs |
| ATC 640 | Evidence Based Practice | 2 hrs |
| ATC 710 | Seminar in Athletic Training (3 courses) | 2 hrs |
| ATC 723 | Movement Pattern Assessment | 3 hrs |
| ATC 732 | Applied Research Methods in Health Care | 3 hrs |
| ATC 733 | Corrective Exercise Techniques/Movement Pattern Interventions | 3 hrs |
| ATC 743 | Advanced Therapeutic Interventions | 3 hrs |
| ATC 797 | Non-thesis Project OR | 3 hrs |
| ATC 799 | Thesis | 6 hrs |
| PSY 627 | Multivariate Statistical Methods for the Behavioral Sciences | 3 hrs |

2. **Elective Courses.** Students must work directly with their advisor and committee to determine which elective courses should be completed to strengthen their plan of study and compliment their thesis or non-thesis project. Courses must be approved by the student's committee to be counted toward the degree completion.

3. **Research Requirement.** Completion of a thesis or a non-thesis project approved by the advisor or thesis committee.

Thesis Option. Six (6) credit hours in [ATC 799](#) Thesis will count toward the degree. Requirements include: proposal defense, IRB approval, data collection, traditional 5 chapter thesis, oral presentation and defense of thesis, submission of an abstract and poster presentation (minimally at an on-campus event). The thesis must be approved by the student's Thesis/Advisory Committee and the Graduate College before the degree is granted..

Non-thesis Project. Three (3) credit hours in [ATC 797](#) Non-Thesis Project will count toward a degree. A formal oral presentation of the project is required. The seminar paper must be approved by the student's Advisory Committee before the degree is granted.

4. **Comprehensive Examination.** A comprehensive examination administered during the student's final semester of course work must be passed by the candidate before a degree will be granted.



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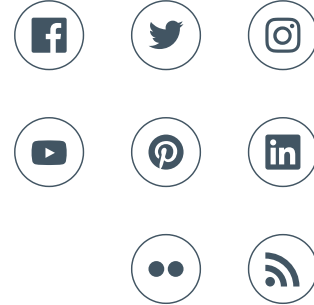
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David Claborn, Interim Program Director

Physical Therapy Building, Suite 112

Phone: 417-836-8850

davidclaborn@missouristate.edu (<mailto:davidclaborn@missouristate.edu>); <https://www.missouristate.edu/mp/>

(<https://www.missouristate.edu/mp/>)

Program description

The Master of Public Health (MPH) program offers a generalist MPH degree consisting of 42 credit hours. The program's mission is to prevent disease, promote health, and protect the well-being of the public through education, research and service.

Students gain knowledge in each of the five core disciplines of public health: biostatistics, epidemiology, environmental health sciences, public health administration, and the social behavioral sciences. The program

prepares students to assess community health needs, plan effective health education and health intervention programs, implement and evaluate educational experiences, and conduct public health research.

Graduates of this program will enter public health service as practitioners, administrators, researchers, educators, and consultants in a wide variety of public health settings. Most will be employed in local, state, and national public health agencies, while others will work for non-profit organizations, private agencies, medical facilities, governmental agencies, and educational institutions.

The program offers an accelerated master's option for Missouri State University undergraduate majors as well as a dual degree program with the Master of Health Administration Program. See descriptions below.

Entrance requirements

The Master of Public Health (MPH) program seeks to admit students who:

- Demonstrate the potential to be successful in graduate school
- Are committed to the public health profession
- Show evidence of their commitments through their interest, backgrounds, and experiences

Consideration for admission to the Master of Public Health Program requires the following:

1. Completion of a baccalaureate degree from a regionally accredited college or university with a minimum GPA of 3.00*;
2. Submission of Graduate Record Exam (GRE) test scores. No minimum scores are required; however, students who are successful in the program generally have scores in the 40th percentile or higher. The following exemptions may be made for GRE scores:
 - a. Students who have earned a graduate degree from an accredited U.S. Institution and students currently enrolled in a Missouri State University graduate degree program are not required to submit GRE scores.
 - b. Official scores from the GMAT, MCAT or LSAT from within the last 5 years may be submitted in lieu of the GRE.
3. Submission of the Graduate Application and related fee;
4. A 300-400 word personal statement of professional goals;
5. Three letters of recommendation from employers or professors (current or recent) who can speak to the abilities of the student to succeed in graduate education;
6. Voluntary or salaried work experience in one or more health or social service settings is highly desirable but not required; and
7. International applicants for whom English is not the native language are required to submit official scores from the Test of English as a Foreign Language (TOEFL). See the required scores as noted on the Graduate College webpage. The IELTS will also be accepted.

Application Deadlines

All application materials must be received by the following deadlines:

- **Fall admission - April 1**
- **Spring admission - October 1**

Applicants are encouraged to begin the process at least 4 weeks (6 weeks for international applicants) prior to the deadline to ensure all supporting materials are received on time.

Degree requirements

The MPH program requires completion of 42 credit hours and includes the following:

PBH core courses (15 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PBH 720</u> | Epidemiology | 3 hrs |
| <u>PBH 730</u> | Biostatistics for Health Sciences | 3 hrs |
| <u>PBH 740</u> | Health Behavior | 3 hrs |
| <u>PBH 745</u> | Environmental Health | 3 hrs |
| <u>PBH 775</u> | Principles and Skills of Public Health Administration | 3 hrs |

Other required courses (15 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PBH 735</u> | Software Applications and Data Sources in Public Health | 3 hrs |
| <u>PBH 756</u> | Introduction to Public Health | 3 hrs |
| <u>PBH 760</u> | Research Methods in Public Health | 3 hrs |
| <u>PBH 783</u> | International Health and Infectious Disease | 3 hrs |
| <u>MGT 701</u> | Health Services Organization | 3 hrs |

Elective courses (6 hrs)*

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>HLH 750</u> | Programming Approaches in Wellness/Health Promotion | 3 hrs |
| <u>HLH 752</u> | Health Risk Identification and Management | 3 hrs |
| <u>MTH 647</u> | Applied Regression Analysis | 3 hrs |
| <u>PBH 781</u> | Public Health Preparedness | 3 hrs |
| <u>PBH 778</u> | Chronic Disease Epidemiology | 3 hrs |
| <u>PBH 785</u> | Seminar in Public Health (may be repeated for credit) | 3 hrs |
| <u>PBH 790</u> | Independent Study in Public Health | 3 hrs |
| <u>PLS 754</u> | Seminar in Health Policy | 3 hrs |

*Select two courses with consent of program advisor.

Field and capstone experience (6 hrs)

| Course Code | Course Title | Credit Hours |
|---|--|-----------------------|
| PBH 798 | Public Health Field Experience | 6 hrs |
| PBH 799 and PBH 798 | Capstone Project in Public Health and Public Health Field Experience | 3 hrs and 3 hrs |

Core course examination

After satisfactory completion of all required core courses, and not later than the second to last semester, all students are required to pass a written examination that assesses knowledge and skills in the program core competencies. The items on this exam will cover content from the core areas of study in biostatistics, epidemiology, health behavior, environmental health, and health services administration. Student who fail are limited to one additional attempt to take the exam.

Field Experience

All students are required to complete a practical experience in an approved public health setting under the mentorship of a faculty member and the supervision of an on-site public health professional. A minimum of 200 contact hours per three (3) credit hours must be completed, and a written portfolio must be submitted in the required format at the completion of the field experience.

In order to qualify for the Public Health Field Experience, students must have successfully completed 33 credit hours, including all public health core and other required courses and passed the core course examination. The Field Experience must be approved by the field experience faculty supervisor and the Program Director to ensure site acceptability. The only curricular practical training that will be approved is the [PBH 798](#) (https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH798) course. No external research at other institutions will be approved for curricular practical training during the completion of the MPH program.

Culminating Experience

As the culminating experience, students in the MPH program are required to complete a capstone project via:

1. [PBH 799](#) (https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH799)- Capstone Project in Public Health - for students who opt for the 3-credit hour field experience;

or

2. A field experience project for students who opt for the 6-credit hour field experience.

The capstone project requires students to synthesize and integrate advanced knowledge and skills acquired in the program and to apply those to some aspect of public health.

Some aspect of the culminating experience must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' findings, or the design and completion of a community

project. At its completion, students submit a written report and make a formal presentation to an audience of faculty, students, and practitioners.

Accelerated MPH Option

An accelerated option is available for eligible Missouri State University undergraduate students. Students may apply for preliminary acceptance into the Master of Public Health (MPH) program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours chosen from approved 600- or 700-level courses may be counted toward both the undergraduate and graduate degrees. This option gives exceptional undergraduate students from a variety of majors the opportunity to complete the course requirements for the MPH degree in as little as three semesters and a summer after attaining the Bachelor's degree rather than the typical four to five semesters and a summer.

Contact the Director of the MPH program for further information and guidelines. Before enrolling in a course to be counted as both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program director, department head of the undergraduate program and the Dean of the Graduate College.

MPH-MHA Dual Degree

Students can obtain dual degrees in health administration and public health at Missouri State University. Students who successfully complete the program will receive both a Master of Health Administration (MHA) degree and a Master of Public Health (MPH) degree. A total of 12 hours of coursework can be applied to both programs, reducing the time required to obtain both degrees separately.

Public health and health administration are increasingly important areas in health care and medicine. Information, resources, technology, research and new challenges are expanding tremendously in the fields of public health and health administration and it is important to have a trained workforce that can bridge these two areas of health care and medicine. The successful completion of dual degrees in public health and health care administration provide students with a unique set of knowledge, skills and abilities that enable graduates to communicate relevant health information; account for health care priorities, policy and delivery; manage crises; and address major health concerns at the level of a population. All these activities are information intensive to support professional decision-making, practice and action.

The dual MHA/MPH degree program provides graduates with interdisciplinary knowledge, skills, and abilities to address challenges on a local and global scale. This dual degree program offers a course of study that emphasizes effective management and responsible oversight within the health care delivery system and focus on identifying, resolving, and preventing health problems that affect communities and populations. Beyond these foundations, both programs challenge students to lead their organizations toward satisfying the future demands and needs of their communities.

There is overlap between the MHA and MPH programs, which enables students to complete both degrees in a streamlined process. The MHA has a core requirement of 35 credit hours while the MPH has a 42 hour requirements. Currently there are three courses (9 credit hours) jointly shared by the two programs.

- [PBH 720](#), Epidemiology
- [MGT 701](#), Health Services Organization
- [PLS 754](#), Seminar in Health Policy

In addition, there is a joint collaborative relationship between the two programs in terms of the Capstone Project in Public Health (PBH 799 - 3 credit hours) with the Program Director for the MHA program serving on the student's Capstone Committee. In keeping with the traditional approach to dual degrees, there is a reduction in overall hour requirements for both degrees. While separately the two degrees require a total of 78 credit hours, under the joint degree program students could earn the two degrees in 66 credit hours.

Applicants to the joint MHA/MPA must be admitted into each program separately and must adhere to the admission requirements and prerequisite courses stipulated by each program. The student's decision to complete the joint MHA/MPH degree must be declared to the MHA and MPH Program Directors before the end of the second semester of the first year in either program.

Retention and Readmission to the Program

Admission to the MPH program is through a competitive admissions process with only a limited number of students admitted each year. Students who leave the program will be required to apply for readmission. Applications for readmission will be reviewed by the MPH admission, progression and graduate (APG) committee. Previous enrollment does not guarantee readmission. The student's readmission will depend on where the student places in the competitive enrollment process.

All students must enroll in at least one credit hour each fall and spring semesters until graduation to remain in the MPH program. International students must comply with program and International Services policies. Students who do not meet minimum requirements will be dropped from the program and will have to reapply to the MPH APG committee for permission to return to the program. Students have a maximum of five years to complete the program. Students who exceed this time period must seek an extension through the APG. All other retention policies are defined by the Graduate College.



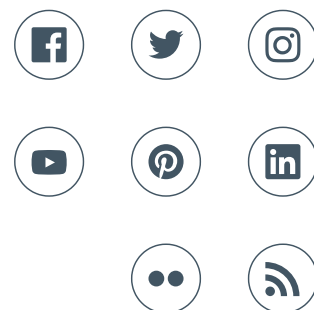
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Health Promotion and Wellness Management



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Master of Science, Health Promotion and Wellness Management

Melinda Novik, Program Coordinator

Phone 417-836-3168

MelindaNovik@MissouriState.edu (mailto:MelindaNovik@MissouriState.edu)

Program description

The Master of Science in Health Promotion and Wellness Management is a 36 hour interdisciplinary program. It is designed to provide preparation for students from diverse backgrounds in health, human services and business. The curriculum integrates managerial skills with behavioral psychology, health education and promotion, public health, contemporary health issues, and organizational theory. The result is a competency-based, multi-disciplinary academic preparation for professionals dedicated to assuming leadership and managerial positions within the health and wellness industry. Graduates have gone on to work in a number of different settings including universities, for-profit and non-profit organizations, health departments, community centers, fitness centers, hospitals and clinics and many more.

Curricular activities are complemented by research opportunities with our graduate faculty and in the community. Diverse practical opportunities are provided throughout the coursework, during the culminating research experiences and during the internship.

The Public Affairs mission (and the three pillars of Ethical Leadership, Cultural Competence and Community Engagement) is exemplified throughout the program coursework but put into practice for each student during the 6-credit/420 contact hour internship experience.

Entrance requirements

1. Completion of a baccalaureate degree from a regionally accredited college or university.
2. Cumulative GPA of 2.80 on a 4.00 scale in undergraduate work. If undergraduate GPA is below a 3.20, student must score a combined 290 on the verbal and quantitative sections of the Graduate Record Examination (GRE).
3. A two page maximum statement of professional experience, goals and research interest.
4. Prerequisite courses: 12 hours. Students entering the program should have an undergraduate course in statistics, exercise physiology, introductory psychology, and business management. A student who does not meet these criteria, but who demonstrates outstanding potential, may be considered on the basis of individual merit and accepted on a probationary status.

Accelerated Master's Degree option

Students enrolled in programs housed in the Kinesiology Department may be accepted into the Master of Science in Health Promotion and Wellness Management program after admission requirements for the accelerated master's option are met. Once accepted, up to 12 credit hours of approved 600 and 700-level coursework may be counted toward both the Bachelor of Science/Bachelor of Science in Education and the Master of Science degree programs. Students in other academic programs may be considered given they have completed the prerequisite courses and have met the GPA criteria.

The accelerated option allows majors in the Department of Kinesiology who are interested in health promotion and wellness management to complete the requirements for the Master of Science degree in three semesters and a summer rather than the typical four semesters and a summer. For more information and guidelines, contact the Health Promotion and Wellness Management program director in the Kinesiology Department.

Before enrolling in each course to be counted as both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and complete a Mixed Credit Form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Requirements for the Accelerated Master's Option

1. Senior standing and an overall GPA of 3.2 or better.
2. Completion of an undergraduate course in statistics or measurement and evaluation, exercise physiology, biomechanics, introductory psychology, and business management. A student who does not meet these criteria, but who demonstrates outstanding potential, may be considered on the basis of individual merit.

Degree requirements (minimum of 36 hours)

1. **Required Core** (15 hours)

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>HLH 700</u> | Research Methods in Kinesiology | 3 hrs |
| <u>HLH 710</u> | Introduction to Health Promotion and Wellness Management | 3 hrs |
| <u>HLH 750</u> | Programming Approaches in Wellness/Health Promotion | 3 hrs |
| <u>HLH 760</u> | Health Promotion Planning | 3 hrs |
| <u>KIN 705</u> | Applied Statistics in Kinesiology | 3 hrs |

2. Choose from the following electives (9-10 hours)

| Course Code | Course Title | Credit Hours |
|---|--|---------------------|
| <u>KIN 752</u> | Health Risk Identification and Management | 3 hrs |
| <u>KIN 650</u> | Organization and Administration for Kinesiology Professionals | 3 hrs |
| <u>KIN 667</u> | Physical and Leisure Activities for the Aging Adult | 3 hrs |
| <u>KIN 669</u> | Health Appraisal and Exercise Testing Techniques | 4 hrs |
| <u>KIN 682</u> | Motivational Interviewing for Health Professionals | 3 hrs |
| <u>KIN 755</u> | Fitness as Preventive Medicine | 3 hrs |
| <u>KIN 759</u> | Contemporary Health Problems | 3 hrs |
| <u>KIN 760</u> | Applied Biomechanics of Human Movement | 3 hrs |
| <u>KIN 762</u> | Applied Exercise Physiology | 3 hrs |
| <u>KIN 797</u> | Graduate Seminar | 1-3 hrs |
| <u>REC 615</u> | Risk Management for Recreation, Sport and Park Agencies | 3 hrs |
| <u>REC 623</u> | Organization and Administration of Leisure Services | 3 hrs |
| <u>REC 651</u> | Outdoor Leadership | 3 hrs |
| <u>MGT 600</u> | Administrative, Organizational, and Operations Concepts for Managers | 3 hrs |
| <u>MGT 764</u> | Organizational Behavior | 3 hrs |
| <u>ECO 604/</u> <u>HCM 604</u> | Health Care Economics | 3 hrs |
| <u>COM 736</u> | Concepts and Analysis of Communication in Organizations | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|---------------------------|--------------|
| PSY 718 | Organizational Psychology | 3 hrs |

3. Internship (1-6 hours)

| Course Code | Course Title | Credit Hours |
|-------------------------|---------------------|--------------|
| HLH 791 | Wellness Internship | 1-6 hrs |

Supervised work in an approved health promotion education/promotion/care setting. As a culminating experience, the internship is crucial to the program. Students must complete a minimum of 420 contact hour and 6 credit hours.

The internship experience is an integral part of this major and should be planned (in consultation with the advisor) in advance of the semester in which the student desires to register for the experience.

4. Research (6 hours)

| Course Code | Course Title | Credit Hours |
|---|------------------|--------------|
| KIN 799* | Thesis | 6 hrs |
| OR the following two courses | | |
| KIN 795 | Research Project | 3 hrs |
| Completion of 700-level 3 hr course selected with Advisor | | 3 hrs |

*If the student does not complete the thesis within 6 registered credits, the student will be required to maintain active enrollment in 1 credit hour/semester of KIN 799 until the thesis is completed or until the student has surpassed the eight-year period in which students are allowed to complete the degree.

5. Comprehensive Examination

A written comprehensive examination must be passed by the candidate before a degree will be granted.



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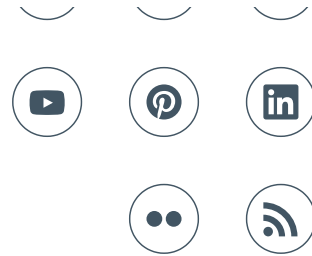
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Certificate in Health Programming

Melinda Novik, Program Coordinator

Phone: 417-836-3168

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Program description

The Graduate Certificate in Health Programming provides a 12-hour graduate level academic experience. The program involves an in depth study of the methods, theory, approaches and evaluation strategies to health education programs for those that are already working in the field but do not have advanced academic preparation as well as those planning to enter related health fields. All coursework must be approved by the program director. Students must choose the certificate option prior to completing coursework and may not retroactively choose the certificate option based on unsatisfactory progress in the Health Promotion and Wellness Management Master's Degree option.

Admission requirements

1. Bachelor's degree from an accredited university
2. A cumulative GPA (of all coursework) of 3.00 on a 4.00 scale
3. Two or more years of experience in the health field (to be determined by the graduate program director)
4. Submission of a professional statement of work experience and current resume

Program requirements

Required courses (6 hrs)

| Course Code | Course Title | Credit hours |
|-------------------------|---|--------------|
| HLH 750 | Programming Approaches in Wellness/Health Promotion | 3 hrs |
| HLH 760 | Health Promotion Planning | 3 hrs |

Complete two courses from the following list (6 hrs)

| Course Code | Course Title | Credit hours |
|-------------------------|--|--------------|
| HLH 700 | Research Methods | 3 hrs |
| HLH 710 | Introduction to Health Promotion and Wellness Management | 3 hrs |
| HLH 752 | Health Risk Identification and Management | 3 hrs |
| KIN 650 | Organization and Administration for the Kinesiology Professional | 3 hrs |
| KIN 667 | Physical and Leisure Activities for the Aging Adult | 3 hrs |
| KIN 682 | Motivational Interviewing for Health Professionals | 3 hrs |
| KIN 705 | Applied Statistics in Kinesiology | 3 hrs |
| KIN 755 | Fitness as Preventative Medicine | 3 hrs |

Requirements for completion of certificate


1. Maintain a 3.00 GPA on all coursework used toward the certificate. No course with a grade of C- or below can be used for the program.
2. Completion of all advisor-approved coursework.
3. Successful completion of comprehensive examinations.




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Public Health Administration



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Certificate in Public Health Administration

David Claborn, Program Director

McQueary Hall, Suite 112;

Phone 417-836-8850

PublicHealth@missouristate.edu (<mailto:publichealth@missouristate.edu>)

Program description

Designed for students who do not need or desire a graduate degree in public health, but for various reasons may need a level of education provided by a limited number of graduate courses.

Admission requirements

Admission to the certificate program is separate from admission to the Master of Public Health program; however students can acquire one certificate while in the process of completing the MPH. For those seeking admission only to the certificate, the following are required:

1. A bachelor's degree from a regionally accredited university.

2. Minimum 2.75 GPA.
3. A statement of purpose describing why the student wants to obtain a graduate certificate.
4. Two (2) letters of recommendation.
5. For international students, a current TOEFL or IELTS score.

Admission to the graduate certificate program does not guarantee admission to the Master of Public Health program. All coursework toward the certificate must have been taken after January 1, 2013. International students must meet all requirements stipulated by International Services. Courses without the PBH prefix may not be accepted for credit.

Course requirements - 15 hrs

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|--------------|
| <u>MGT 701</u> | Health Services Organization | 3 hrs |
| <u>PBH 775</u> | Principles and Skills of Public Health Administration | 3 hrs |
| <u>PLS 754</u> | Seminar in Health Policy | 3 hrs |

Choose one of the following:


| Course Code | Course Title | Credit Hours |
|--------------------------------|-----------------------------------|--------------|
| <u>PBH 760</u> | Research Methods in Public Health | 3 hrs |
| <u>PBH 720</u> | Epidemiology | 3 hrs |

Choose one of the following:


| Course Code | Course Title | Credit Hours |
|--------------------------------|--|--------------|
| <u>PBH 756</u> | Introduction to Public Health | 3 hrs |
| <u>PLS 778</u> | Ethics & Leadership in the Public Sector | 3 hrs |
| <u>MGT 600</u> | Administrative, Organizational & Operations Concepts for Manager | 3 hrs |




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Certificate in Public Health and Homeland Security

David Claborn, Program Director

McQueary Hall, Suite 112; Phone: 417-836-8850

PublicHealth@MissouriState.edu (<mailto:publichealth@missouristate.edu>)

Program description

Designed for students who do not need or desire a graduate degree in public health, but for various reasons may need a level of education provided by a limited number of graduate courses.

Admission requirements

Admission to the certificate program is separate from admission to the Master of Public Health program; however students can acquire one certificate while in the process of completing the MPH. For those seeking admission only to the certificate, the following are required:

1. A bachelor's degree from a regionally accredited university.
2. Minimum 2.75 GPA.

3. A statement of purpose describing why the student wants to obtain a graduate certificate.
4. Two (2) letters of recommendation.
5. For international students, a current TOEFL or IELTS score.

Admission to the graduate certificate program does not guarantee admission to the Master of Public Health program. All coursework toward the certificate must have been taken after January 1, 2013. International students must meet all requirements stipulated by International Services. Courses without the PBH prefix may not be accepted for credit.

Course requirements - 15 hrs

The certificate in Public Health and Homeland Security can be completed entirely online though PBH 771, PLS 772 and PLS 773 are not offered online and some other courses are offered online in alternating years.

Choose 3 courses from list below:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PBH 720 | Epidemiology | 3 hrs |
| PBH 730 | Biostatistics for Health Sciences | 3 hrs |
| PBH 740 | Health Behavior | 3 hrs |
| PBH 745 | Environmental Health | 3 hrs |
| PBH 775 | Principles and Skills of Public Health Administration | 3 hrs |
| PBH 781 | Public Health Preparedness | 3 hrs |

Choose 2 courses from list below:


| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PLS 717 | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| PLS 719 | Strategic Planning & Organizational Imperatives in Homeland Security | 3 hrs |
| PLS 772 | Introduction to Public Safety | 3 hrs |
| PLS 773 | Hazard Analysis, Mitigation & Preparedness | 3 hrs |
| CRM 740 | Foundations of Homeland Defense & Security | 3 hrs |
| CRM 745 | Topics in Homeland Defense & Security | 3 hrs |




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Certificate in Public Health Core

David Claborn, Program Director

McQueary Hall, Suite 112; Phone: 417-836-8850

PublicHealth@MissouriState.edu (<mailto:publichealth@missouristate.edu>)

Program description

Designed for students who do not need or desire a graduate degree in public health, but for various reasons may need a level of education provided by a limited number of graduate courses.

Admission requirements

Admission to the certificate program is separate from admission to the Master of Public Health program; however students can acquire one certificate while in the process of completing the MPH. For those seeking admission only to the certificate, the following are required:

1. A bachelor's degree from a regionally accredited university.
2. Minimum 2.75 GPA.

3. A statement of purpose describing why the student wants to obtain a graduate certificate.
4. Two (2) letters of recommendation.
5. For international students, a current TOEFL or IELTS score.

Admission to the graduate certificate program does not guarantee admission to the Master of Public Health program. All coursework toward the certificate must have been taken after January 1, 2013. International students must meet all requirements stipulated by International Services. Courses without the PBH prefix may not be accepted for credit.


Course requirements - 15 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PBH 720 | Epidemiology | 3 hrs |
| PBH 730 | Biostatistics for Health Sciences | 3 hrs |
| PBH 740 | Health Behavior | 3 hrs |
| PBH 745 | Environmental Health | 3 hrs |
| | Choose one of the following: | |
| PBH 775 | Principles and Skills of Public Health Administration | 3 hrs |
| PBH 756 | Introduction to Public Health | 3 hrs |



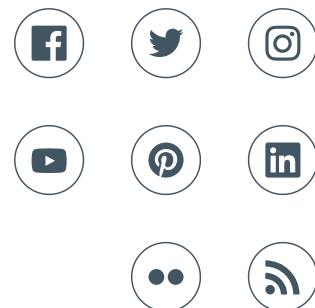
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Missouri State


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Graduate Catalog

School of Social Work

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Social Work](#) (MSW)

Program Description

The MSW program prepares students for advanced generalist social work practice. It is fully accredited by the Council on Social Work Education (CSWE).

The School of Social Work offers the MSW program in two options: Advanced Standing and Regular Standing. The Advanced Standing program option is designed for students who have a baccalaureate degree in social work (BSW) from a CSWE accredited program and who meet the Advanced Standing program admission requirements. Those who have substantial work experience in the social work field and/or have completed course work in social work (even a minor) but have not graduated with a BSW, are **not** eligible for Advanced Standing. The Advanced Standing program involves 34

Contact

Director

Michele Day

Office

Pummill Hall, Room 105

Phone

417-836-6953

Fax

credit hours and can be completed in full-time status (three semesters) or part-time status (six semesters). Advanced Standing students begin their studies during the summer semester of the admission year.

The Regular Standing MSW program option is designed for students who do not have a baccalaureate degree in social work from a CSWE accredited program, or who do not meet the other admission requirements for the Advanced Standing program. The Regular Standing program requires 62 credit hours to earn the MSW degree. The Regular Standing student can complete the program in full-time status (two calendar years) or part-time status (four calendar years). Students accepted for admission into the Regular Standing MSW program option begin their studies in the fall.

417-836-7688

Email

swk@missouristate.edu
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Website

[missouristate.edu/swk](https://www.missouristate.edu/swk/)
(https://www.missouristate.edu/SWK/)



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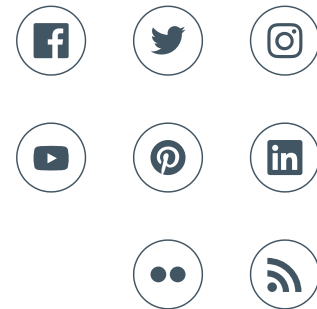
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Social Work Graduate Faculty

Professors

Michele Day

Susan C. Dollar

Carol Langer

Associate professor

Amanda Keys

Assistant professor

Qiang Chen

Clinical Assistant professors

Natalie Curry

Tiffany Havlin

Malikah Marrus

Regina Russell

Per course instructors

Richele L. Babbitt

Peggy Beck

Angela R. Conover

Natalie Curry

John Getchell

Jennifer Kent

Kevin Knox

Beverly A. Long

Joan McClennen

Tressa Moyle

Luther Smith

Mary C. Turner

Cynthia Weaver

Jeremey Wolfe

Emeritus professors


Lola Butler

Mary Ann Jennings


John T. Pardeck




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https://graduate.missouristate.edu/Catalog/SWK_faculty.htm

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Social Work Courses

Social Work (SWK) courses

SWK 602 Rural Health

This course offers a study of health care delivery in rural communities. It includes theoretical foundations, cultural considerations and specific characteristics of rural environments and people. Local and international perspectives will be explored. This course has a community experience component. Identical with NUR 502. Cannot receive credit for both SWK 502 and NUR 502. May be taught concurrently with SWK 502. Cannot receive credit for both SWK 502 and SWK 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

SWK 643 Non-Profit Management in the Health and Human Services

The purpose of this course is to lay a leadership and management foundation for those in social work and the human services professions from the nonprofit/social or public sectors. The history and scope of the U.S. nonprofit sector, as well as contemporary theories of nonprofit enterprise, governance and leadership, ethics, marketing, advocacy techniques, decision-making models and current ideas about possible futures for the sector will be presented. Students will leave the course with a solid understanding of nonprofit /social sector organization, and develop an understanding of his or her management style and philosophy. May be taught concurrently with SWK 543. Cannot receive credit for both SWK 643 and SWK 543.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 644 Grant writing in the Health and Human Services

Prerequisite: permission of instructor.

This online course offers an interdisciplinary approach to understanding grant writing and how human service professionals can collaborate for successful proposal writing. Grant writing in the Health and Human Services will focus on practical skills needed to develop proposals, budgets, and evaluation plans. Attention will be given to preparing a competitive grant proposal. Grant writing is related to human services that stress access to and availability of resources. The needs of culturally diverse groups or communities will be discussed in this course, along with the particulars of proposals that may be most effective in meeting such needs. May be taught concurrently with SWK 595. Cannot receive credit for both SWK 595 and SWK 644.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 696 Health Literacy in the Human Services

Prerequisite: permission of instructor.

This online course offers an interdisciplinary approach to understanding functional health literacy and how the public's literacy skills affect interactions with health and human services professionals. Includes an examination of the data for national and international literacy levels and populations at risk for low literacy; research on health literacy; assessment tools; and practical techniques for addressing literacy issues in spoken and written communications at the practitioner and organizational levels. May be taught concurrently with SWK 696. Cannot receive credit for both SWK 696 and SWK 599.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 699 Special Topics

Selected topic of advanced content in social work, relevant to fields of practice or practice methodologies. May be repeated to a total of 6 hours as topics change. May be taught concurrently with SWK 597. Cannot receive credit for both SWK 597 and SWK 699.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

SWK 705 Human Behavior in the Social Environment

Prerequisite: admission to MSW program.

Content on life span development and the influence of various systems on the individual.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 710 Foundations in Social Work Practice with Individuals

Prerequisite: admission to MSW program.

Within a generalist framework, course provides an ethically-based, theory-driven, culturally competent approach to delivering professional social work services to individuals with varied issues and practice settings.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 715 Social Welfare Policy and Services

Prerequisite: admission to MSW program or permission.

Covers the historical development, philosophical orientation, and analysis of social welfare policy and services in the United States. Examines social welfare policy in multiple areas.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 725 Foundations in Social Work Practice with Families and Groups

Prerequisite: admission to MSW program.

Within a generalist framework, this course focuses on basic skills and concepts related to social work practice with groups and families. Topics include group facilitation process and tasks, contrast between non-kin groups and family sessions, and strategies for working with families.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 726 Foundations in Social Work Practice with Communities and Organizations

Prerequisite: admission to MSW program.

Uses social work methods to focus on the dynamics associated with organizational and community generalist practice. This course provides a knowledge base (i.e., theory, research, and practice wisdom), values, and practice skills for the generalist social work profession. Concentration will be on social work practice occurring with organizations and communities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 730 Perspectives in Human Diversity and Societal Systems

Prerequisite: admission to the MSW program or permission of department.

Using a social work strengths perspective and the ecological system theory, the course explores multiple dimensions and intersectionality of diversity, and social, economic, and environmental justice in a pluralistic and increasingly globalized society.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 740 Social Work Field Practicum and Seminar I

Prerequisite: admission to MSW program; and completion of, or concurrent enrollment with, all other foundation courses.

Students integrate generalist level social work competencies with supervised experiences at a community agency. Seminar class with field supervision enhances the student's application of all previous foundation coursework with seminar assignments and activities of the field experience. Students must complete 450 hours in placement; required practicum liability insurance is included in the supplemental course fee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-10 | | | Spring |

SWK 742 Substance Use and Social Work Practice

This course provides an opportunity for the students to understand the problems of alcohol and drug use and dependence, and the impact on individuals, families, and the broader community.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SWK 743 Management and Program Development in Human Service

Develop knowledge and skills for effective supervisors and administrators in human service organizations. Students will also learn grant proposal writing and develop an understanding of their management style and philosophy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

SWK 746 Advanced Generalist Social Work Research

Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework; or permission of department.

This advanced generalist course teaches advanced knowledge and skills in key social work research methods. By the end of the course, students will apply ethical research principles to research methodology, design, and analysis to make evidence-based recommendations that inform them advanced generalist social work practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 750 Social Work Practice I: Advanced Generalist Practice with Individuals

Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework.

This advanced practice course provides students with theories and skills for working with individuals from an advanced generalist perspective. By the end of the course, students will demonstrate ethically based, culturally informed practice with individuals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

SWK 754 Advanced Clinical Social Work Assessment

Prerequisite: SWK 750; and admission to MSW program.

Examines advanced topics related to individual and family-based assessment. Students deepen critical thinking as advanced generalist practitioners, learn when to use various clinical assessment tools (e.g., DSM), and develop skills in data collection, organization, and interpretation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 755 Social Work Practice II: Advanced Generalist Practice with Families

Prerequisite: SWK 750; and admission to MSW program.

This advanced practice course provides students with theories and skills for working with families from an advanced generalist perspective. By the end of the course, students will demonstrate ethically based, culturally informed practice with families.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 756 Social Work Practice III: Advanced Generalist Practice with Groups

Prerequisite: SWK 754 and SWK 755; and admission to MSW program.

This advanced practice course provides students with theories and skills for working with groups from an advanced generalist perspective. By the end of the course, students will demonstrate ethically based, culturally informed practice with groups.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 757 Social Work Practice IV: Advanced Generalist Practice with Communities and Organizations

Prerequisite: SWK 755; and admission to the MSW program.

This advanced practice course provides students with theories and skills for working with communities and organizations from an advanced generalist perspective. By the end of the course, students will demonstrate ethically based, culturally informed practice with communities and organizations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SWK 760 Advanced Policy Practice

Prerequisite: SWK 750; and admission to MSW program.

Students examine policies that affect client systems, and how these policies translate into programs and delivery systems in the United States and other countries. The course expands knowledge of the interrelatedness of diversity, policy, human rights and social justice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

SWK 780 Social Work Field Practicum and Seminar II

Prerequisite: admission to MSW program; and field coordinator approval; and completion of, or concurrent enrollment in, all other specialist courses.

Students integrate advanced generalist level competencies with supervised experiences at a community agency. Seminar class with field supervision enhances the student's application of all previous specialist coursework with seminar assignments and activities of the field experience. Students must complete 525 hours in placement; required practicum liability insurance is included in the supplemental course fee.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-10 | | | Spring |




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Master of Social Work

Program Administrators:

MSW Program Coordinator

Amanda Keys

Pummill Hall, room 105

417-836-4213

AmandaKeys@MissouriState.edu (mailto:AmandaKeys@MissouriState.edu)

Field Education Coordinators:

Tiffany Havlin

Pummill Hall, Room 105

417-836-6314

THavlin@MissouriState.edu

Program Description

The MSW program prepares students for advanced generalist social work practice. It is fully accredited by the Council on Social Work Education (CSWE).

The School of Social Work offers the MSW program in two options: Advanced Standing and Regular Standing. The Advanced Standing program option is designed for students who have a baccalaureate degree in social work (BSW) from a CSWE accredited program and who meet the Advanced Standing program admission requirements. Those who have substantial work experience in the social work field and/or have completed course work in social work (even a minor) but have not graduated with a BSW, are **not** eligible for Advanced Standing. The Advanced Standing program involves 34 credit hours and can be completed in full-time status (three semesters) or part-time status (six semesters). Advanced Standing students begin their studies during the summer semester of the admission year.

The Regular Standing MSW program option is designed for students who do not have a baccalaureate degree in social work from a CSWE accredited program, or who do not meet the other admission requirements for the Advanced Standing program. The Regular Standing program requires 62 credit hours to earn the MSW degree. The Regular Standing student can complete the program in full-time status (two calendar years) or part-time status (four calendar years). Students accepted for admission into the Regular Standing MSW program option begin their studies in the fall.

Master of Social Work Admission Objectives

Admission to the Master of Social Work program is competitive and selective. All applicants applying on time and meeting the minimum standards will be considered for admission. However, merely meeting these standards does not guarantee admission. Only those students showing significant promise for a career in social work will be admitted to the program. The MSW program is committed to providing equal educational opportunities to all students regardless of their economic or social status, race, color, gender, sexual orientation, political orientation, disability, age, veterans' status, or marital or parental status.

Admission Requirements for the Regular Standing MSW Program

Regular Standing MSW program applicants will apply using the centralized application service for social work known as SocialWork CAS. To begin this process, the applicant will create an account through the [SocialWorkCAS](https://socialworkcas.liaisoncas.com/) (<https://socialworkcas.liaisoncas.com/>) website (socialworkcas.liaisoncas.org). SocialWorkCAS will verify the application for accuracy, calculate the GPA, and send materials to all specified Master of Social Work programs.

All documents required for the Missouri State University MSW application will all be submitted through SocialWorkCAS. Items submitted directly to SocialWorkCas include: an application, all official undergraduate and graduate transcripts, a resume, personal statement essays, and three letters of reference.

The GRE exam is not required for admission.

Students are eligible to apply for admission into the **Regular Standing MSW** program when the following conditions are met:

1. Applicants must have earned a bachelor's degree from a college or university accredited by a regional agency recognized by the Commission on Recognition of Postsecondary Accreditation.

2. Applicants must have earned an overall GPA of at least 3.00 on a 4.00 scale for all undergraduate course work taken.
 - The GPA for upper-division course work (last 60 hours) in undergraduate classes may be used if higher than the overall GPA and if this GPA is calculated by the Graduate College or a referring college office.
3. Applicants must also have taken at least 3 credits in research design and/or statistics with a grade of “C” or better, preferably in the social sciences, as evidenced in the departmental application and student transcript.
4. Prerequisites: Applicants must show evidence of a bachelor’s degree that encompasses a liberal arts perspective with at least 9 credits of social science, child, family or aging studies preferred.
 - A liberal arts perspective is considered a program of study that involves classes from the following areas: economics, history or geography; natural, applied or life science; humanities, philosophy or literature; writing or other communication studies; mathematics or statistics; and social or human sciences.

Admission Requirements for the Advanced Standing Program

Advanced Standing MSW program applicants will apply using the centralized application service for social work known as SocialWork CAS. To begin this process, the applicant will create an account through the [SocialWorkCAS](https://socialworkcas.liaisoncas.com/) (<https://socialworkcas.liaisoncas.com/>) website (socialworkcas.liaisoncas.org). SocialWorkCAS will verify the application for accuracy, calculate the GPA, and send materials to all specified Master of Social Work programs.

All documents required for the Missouri State University MSW application will all be submitted through SocialWorkCAS. Items submitted directly to SocialWorkCas include: an application, all official undergraduate and graduate transcripts, a resume, verification of CSWE accredited BSW degree, personal statement essays, and three letters of reference.

The GRE exam is not required for admission.

Students are eligible to apply for admission into the **Advanced Standing MSW** program when the following conditions are met:

1. Applicants must have earned a bachelor’s degree in social work from an undergraduate program accredited by the Council on Social Work Education (CSWE) no longer than seven years prior to admission to the MSW program.
 - It is the responsibility of the applicant to verify their Bachelor of Social work meets CSWE’s accreditation standards **before** applying to the advanced standing program.
 - Verification is to be submitted with the application by a notation of CSWE accreditation on the official transcript, or a copy of accreditation status of BSW degree awarding university listed on CSWE Accreditation page.
2. Applicants must have no more than one grade of "C" and not grades below "C" in all social work prefixed courses.
3. Applicants must also have taken at least 3 credits in research design and/or statistics, preferably in the social sciences, with a grade of “C” or better in both, as evidenced in the departmental application and student transcript.
4. Applicants must have earned an overall GPA of at least 3.00 on a 4.00 scale for all undergraduate course work taken.

- The GPA for upper-division course work (last 60 hours) in undergraduate classes may be used if higher than the overall GPA and if this GPA is calculated by the Graduate College or a referring college office.
5. International students can apply for advanced standing program by completing the following procedures:
- CSWE's International Social Work Degree Recognition and Evaluation Service (ISWDRES) recognizes academic credentials in social work that are comparable to accredited baccalaureate and master's degrees in social work in the United States. Recognition is necessary to establish qualifications for employment, graduate school admission, membership in the National Association of Social Workers, state licensing, and/or certification.
 - An International applicant is required to complete the ISWDRES [screening form](#) through Council on Social Work Education to determine if a social work degree has been obtained **before** applying to advanced standing program.
 - Verification is to be submitted with the application through notation of CSWE accredited program on the official transcript or other forms of official CSWE document.

Application Deadlines

Application and all additional materials must be submitted by the due date on the application for the year of desired admission for both Advanced and Regular Standing MSW program options. Deadlines will be strictly enforced so applicants are encouraged to apply early. Applicants must have all application materials submitted by the application deadline for consideration. It is recommended that all transcripts be received by SocialWorkCAS no later than two weeks before the due date in order to meet the admission deadline.

Admission to the MSW program involves the “whole person” concept. As such, the admission process considers a person’s character and personal fitness to the social work profession, academic preparedness for graduate study, and a student’s potential to conduct applied social work. Evidence of this includes: previous employment or significant volunteer experience in human services, the student’s statement of purpose, letters of reference, and other information relevant to the admission decision.

Early Admission for Regular and Advanced Standing Students

Early admission will only be available to students from academic programs with whom MSU has a Memorandum of Understanding. Students are eligible for early admission after completing 60 credit hours. Early admission students will be required to complete the same application through SocialWorkCAS. The application deadline will remain the same as Advanced Standing and Regular Standing MSW program students. The admission requirements are the same. The only difference will be that students’ transcripts will not show undergraduate course completion. Upon undergraduate graduation, accepted early admission students will be required to send final transcripts to the MSW program. The MSW program will review students’ transcripts to verify that they still meet all the minimal requirements for MSW admission. If students no longer meet these requirements, they will not be able to start the MSW program. Student admission is contingent upon successfully completing all admission requirements.

Transfer Students

The MSW program will consider transfer credits for core courses only from accredited graduate social work programs. No credit will be given for life or work experience. A maximum of 12 graduate hours from such programs may be accepted if taken at the **generalist** level. No transfer course work will be accepted for classes taken at the specialist level. Elective credit may be transferred from other social work programs or from

programs related to social work (i.e., psychology, counseling, public health, etc.). Elective courses must have been taken within 5 years of entering the MSW program in order to count toward the degree requirements.

After a prospective student has been accepted for admission, the MSW Coordinator will determine the amount of acceptable transfer credit (up to the maximum credit allowed) following a review of official transcripts, catalog descriptions, and course syllabi. Primary emphasis is on assessing whether the objectives and content of transfer courses matches those of required Missouri State University courses. No transfer credits for core courses or electives will be accepted if the student earned less than a "B" or took the class more than 5 years prior to enrolling in the MSW program.

Academic Standards

Students are expected to meet graduate school requirements for good academic standing of a 3.0 GPA for all graduate course work transferred in or earned at Missouri State University. Students will be dismissed from the program for any of the following academic reasons:

1. Two grades of "C" in any graduate coursework.
2. A grade of "no pass" or "C" in any field practicum (i.e., [SWK 740](#) and [SWK 780](#)).
3. A grade below "C" in any graduate coursework.

Social Work Policies and Procedures for Review of Academic Performance and Grievances

All social work graduate students are expected to conduct themselves in a professional manner consistent with the NASW Code of Ethics. All policies concerning student academic performance and personal conduct are delineated by University Policies. All related or other departmental policies and procedures can be found in the MSW Student Handbook.

Capstone Requirements for Regular and Advanced Standing MSW Programs

There are two additional requirements that all MSW students must do to graduate. First, is completing a comprehensive examination. Second, is the successful completion of all field education hours. Field education hours are completed in-person in an agency approved by the School of Social Work. There are 450 hours in the field practicum at the generalist level and 525 hours at the specialist level. Advanced Standing students are in the field only at the specialist level. All two capstone requirements must be finished before an MSW degree will be granted.

Degree Requirements for Regular Standing MSW Program

The Regular Standing MSW program requires a minimum of 62 hours of graduate credit plus any prerequisite courses. The required courses by curriculum level are listed as follows for both full-time and part-time options. The first phase in the program is the generalist level and involves courses taken in the first year (if full-time status) or first and second years (if part-time). These courses must be completed before enrolling in the second level of classes. The second phase of course work is the specialist level and involves courses taken in the second year (if full-time status) or third and fourth year (if part-time).

Required Courses for Regular Standing MSW Program:**Generalist Level Courses:**

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>SWK 705</u> | Human Behavior in the Social Environment | 3 hrs |
| <u>SWK 710</u> | Foundations in Social Work Practice with Individuals | 3 hrs |
| <u>SWK 715</u> | Social Welfare Policy and Services | 3 hrs |
| <u>SWK 725</u> | Foundations in Social Work Practice with Families and Groups | 3 hrs |
| <u>SWK 726</u> | Foundations in Social Work Practice with Communities and Organizations | 3 hrs |
| <u>SWK 730</u> | Perspectives in Human Diversity and Societal Systems | 3 hrs |
| <u>SWK 740</u> | Social Work Field Practicum and Seminar I (450 hours) | 10 hrs |
| | Total Hours for Generalist Level | 28 hrs |

Specialist Level Courses:

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>SWK 746</u> | Advanced Generalist Social Work Research | 3 hrs |
| <u>SWK 750</u> | Social Work Practice I: Advanced Generalist Practice with Individuals | 3 hrs |
| <u>SWK 754</u> | Advanced Clinical Social Work Assessment | 3 hrs |
| <u>SWK 755</u> | Social Work Practice II: Advanced Generalist Practice with Families | 3 hrs |
| <u>SWK 756</u> | Social Work Practice III: Advanced Generalist Practice with Groups | 3 hrs |
| <u>SWK 757</u> | Social Work Practice IV: Advanced Generalist Practice with Communities & Organizations | 3 hrs |
| <u>SWK 760</u> | Advanced Policy Practice | 3 hrs |
| <u>SWK 780</u> | Social Work Field Practicum and Seminar II (525 hours) | 10 hrs |
| | Social Work Elective | 3 hrs |
| | Total Hours for Specialist Level | 34 hrs |
| | Total Hours for MSW Regular Standing Program Option | 62 hrs |

Degree Requirements for Advanced Standing Program

The Advanced Standing MSW program requires a minimum of 34 hours of graduate courses. The required courses are listed as follows for both full-time and part-time options. The full-time option can be completed in three semesters and the part-time option can be completed in six semesters.

Required Courses for Advanced Standing Program

Specialist Level Courses:

| Course Code | Course Title | Credit Hours |
|---|--|---------------------|
| <u>SWK 746</u> | Advanced Generalist Social Work Research | 3 hrs |
| <u>SWK 750</u> | Social Work Practice I: Advanced Generalist Practice with Individuals | 3 hrs |
| <u>SWK 754</u> | Advanced Clinical Social Work Assessment | 3 hrs |
| <u>SWK 755</u> | Social Work Practice II: Advanced Generalist Practice with Families | 3 hrs |
| <u>SWK 756</u> | Social Work Practice III: Advanced Generalist Practice with Groups | 3 hrs |
| <u>SWK 757</u> | Social Work Practice IV: Advanced Generalist Practice with Communities & Organizations | 3 hrs |
| <u>SWK 760</u> | Advanced Policy Practice | 3 hrs |
| <u>SWK 780</u> | Social Work Field Practicum II (525 hours) | 10 hrs |
| | Social Work Elective | 3 hrs |
| Total Hours for the MSW Advanced Standing Program Option | | 34 hrs |

Current Elective Courses in the MSW Program:


| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>SWK 602</u> | Rural Health (online) | 3 hrs |
| <u>SWK 643</u> | Non-Profit Management in Health and Human Services | 3 hrs |
| <u>SWK 696</u> | Health Literacy in the Human Services (online) | 3 hrs |
| <u>SWK 699</u> | Special Topics in Social Work Practice | 3 hrs |
| <u>SWK 742</u> | Substance Use and Social Work Practice | 3 hrs |




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<https://graduate.missouristate.edu/Catalog/prog-social-work.htm>

Missouri State


Graduate College

Graduate Catalog

College of Humanities and Public Affairs

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Criminology and Criminal Justice](#) (MS)  

[Defense and Strategic Studies](#) (MS)

[Global Studies](#) (MGS) 

[History](#) (MA)  

[Professional Studies: Criminal Justice Option](#) (MPS)




[Professional Studies: Homeland Security and](#)

[Defense Option](#) (MPS) 

[Public Administration](#) (MPA) 

[Religious Studies](#) (MA) 

[Secondary Education: History Area of Emphasis](#)

(MSEd) 

[Secondary Education: Social Science Area of](#)

[Emphasis](#) (MSEd)

Doctoral programs

[Defense and Strategic Studies](#) (DDSS)

Certificates

[Applied Economics](#) (Certificate)

[History for Teachers](#) (Certificate) 

[Countering Weapons of Mass Destruction \(CWMD\)](#)
(Certificate)

[Homeland Security and Defense](#) (Certificate) 

[Crime Prevention](#) (Certificate)

[Local Government Management](#) (Certificate)

[Criminal Justice Leadership and Management](#)
(Certificate)

[Public Management](#) (Certificate)

[Defense and Strategic Studies](#) (Certificate)

[Public Policy](#) (Certificate)

[Economic Development](#) (Certificate)

[Public Safety](#) (Certificate)

General information

The college of Humanities and Public Affairs has many degree and certificate opportunities.

Centers for Research and Service

Bureau of Economic Research

The [Bureau](http://economicresearch.missouristate.edu/) (<http://economicresearch.missouristate.edu/>), housed within the Economics Department, serves as a clearinghouse for data and publications on economic conditions within the region, state, and nation. The staff has a wide variety of experience and is able to provide consulting services, produce detailed GIS maps, economic and industry forecasts, and other relevant reports on a per fee basis.

The Bernice S. Warren Center for Archaeological Research

The [Center](http://www.missouristate.edu/car/) (<http://www.missouristate.edu/car/>) is a research institute that conducts archaeological field work and other cultural resource management projects on a contractual basis. It primarily serves municipal, state, and federal government agencies. The center also offers hands-on experience for students interested in careers in archaeology and is active in local archaeological and preservation societies.

Contact

Dean

Victor H. Matthews

Associate Dean

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Website

missouristate.edu/chpa
(<https://www.missouristate.edu/CHPA/>
)


Center for Social Sciences and Public Policy Research

The [Center](http://soc-ant.missouristate.edu/cssppr.htm) (<http://soc-ant.missouristate.edu/cssppr.htm>) is an interdisciplinary center where faculty and students conduct both applied and theoretical research in the social sciences and humanities. The Center conducts research sponsored by public and private organizations on a variety of issues of local, state, and national concern. The Center's research efforts foster an understanding of what constitutes effective public policy and how it is created.



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Missouri State


Graduate College

Graduate Catalog

Department of Criminology and Criminal Justice

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Criminology and Criminal Justice](#) (MS)  

[Professional Studies: Criminal Justice Option](#) (MPS)



[Professional Studies: Homeland Security and](#)

[Defense Option](#) (MPS) 

Certificates

[Crime Prevention](#) (Certificate)

[Homeland Security and Defense](#) (Certificate) 

[Criminal Justice Leadership and Management](#)
(Certificate)

General Information

The criminology program at Missouri State University provides a solid foundation for the study of the nature, causes and control of criminal behavior through academic courses, internship opportunities and community partnerships. Our undergraduate criminology program focuses on finding solutions to problems and issues in criminal justice, while our graduate program provides you with the tools for evaluating criminal justice initiatives. Overall, our programs strive to create a healthy balance between academic analysis and technical education needed for a successful career in the field.

Contact

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Missouri State

Graduate College

Graduate Catalog

Criminology and Criminal Justice Graduate Faculty

Professors

Brett E. Garland

Aida Y. Hass

Assistant professors

Marijana Kotlaja

William Sandel

Associate professors

Ethan Amidon

Patrick R. Gartin

Michael Kyle

Michael Suttmoeller

Emeritus professors

Michael K. Carlie





Melodye G. Lehnerer

Bernard J. McCarthy



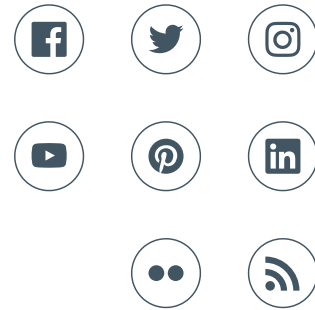


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Missouri State

Graduate College

Graduate Catalog

Criminology Courses

Criminology (CRM) courses

CRM 641 Research Methods in Criminology and Criminal Justice

An overview of research design as applied to research on crime and justice. Topics include hypothesis formulation, sampling techniques, reliability and validity, survey construction, field observation, and evaluation research. May be taught concurrently with CRM 340. Cannot receive credit for both CRM 641 and CRM 340.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CRM 657 Forensic Psychology: Child Abuse and the Law

Study of the legal issues related to child abuse and exploitation. Students will gain an understanding of the law pertaining to child cases and how interactions with children can bolster or diminish the quality of children's memory report as seen by the judicial system. The Greene County Prosecutor's Office will participate in the design of this course, thus the specific legal issues discussed will remain current and may change based on the needs of the community. Identical with PSY 657. Cannot receive credit for both CRM 657 and PSY 657.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 697 Special Topics and Issues in Criminal Justice

Prerequisite: permission of instructor.

A variable topic course examining issues of crime, its causes, as well as social and political responses to crime by various institutions including government, media, law enforcement, the courts, and corrections. Variable content course. May be repeated for a total of 6 hours if the topic changes. May be taught concurrently with CRM 597. Cannot receive credit for both CRM 597 and CRM 697 unless topic changes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CRM 701 Criminal Justice Policy

Prerequisite: admission to the MS in Criminology and Criminal Justice; or Criminal Justice Leadership and Management certificate program; or Master of Professional Studies program with the Criminal Justice option.

This course takes a critical look at the construction, implementation, evaluation, and justification of a wide range of criminal justice policies and programs. Significant attention is given to methodological processes in determining policy and program effectiveness.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CRM 705 Applied Research in Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice program and successful completion of an undergraduate or graduate research methods course.

This course provides students with the background and skills necessary to conduct sound and ethical research in their professional fields and successfully navigate through academic research relevant to guiding and improving criminal justice policy and practice. The capstone requirement consists of a mini-research proposal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CRM 706 Advanced Research Methods in Criminology and Criminal Justice

Prerequisite: admission to the MS in Criminology or the MS in Administrative Studies with the Criminal Justice Option.

This course is an in-depth examination of issues and methods involved with gathering data for research in crime and justice. Topics include research design, measurement, sampling, and analysis techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CRM 715 Leadership and Management in Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice; or Criminal Justice Leadership and Management certificate program; or Master of Professional Studies program with the Criminal Justice option.

This course familiarizes students with theories, issues, and innovations related to leadership and management in criminal justice settings. Students are exposed to techniques aimed at enhancing leadership and management capabilities.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CRM 720 Crime Theory and Policy

Prerequisite: admission to the MS in Criminology and Criminal Justice; or Crime Prevention certificate program; or Master of Professional Studies program with the Criminal Justice option.

This course surveys various classical and contemporary theories of lawbreaking. The relationship between criminological theory and justice system policy is emphasized. A position paper on a theoretically-driven policy is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CRM 728 The Ethics of Justice

The emphasis for this course is on ethical leadership and decision-making in the criminal justice system. Students will use the knowledge they've gained over their academic careers to critically analyze and discuss topics in criminology and criminal justice. The course will begin by examining ethical systems that can be used to justify and direct ethical judgement. Following this, ethical issues in policing, courts, corrections, and social science research will be discussed and debated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 730 Juvenile Justice

This course aims to stimulate and facilitate critical and reflective thought regarding the legitimacy and effectiveness of juvenile justice policy and practice in the United States. Students analyze the mission and goals of juvenile justice systems, organizational design and managerial and staff roles, contemporary policies and programs, and methods of performance evaluation in juvenile agencies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 740 Foundations of Homeland Defense and Security

This course provides an overview of homeland security and defense undertaken in the United States since September 11, 2001. The course provides students with the generally accepted knowledge required of homeland security professionals.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 741 Cybercrime and Cyber terrorism

This course provides an in depth analysis of differences between cyber terrorism and cybercrime and the motivations that drive cyber criminals and terrorists. It also examines emerging strategies used by law enforcement and the private sector to respond to cyber attacks.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------|
| 3 | 3 | 0 | Summer, Upon demand |

CRM 745 Topics in Homeland Defense and Security

A comprehensive and integrated homeland security and defense strategy must also include the full range of elected officials, first responders, the human, animal and plant health communities, business and our citizens. This course will examine the application, progress and problems of the development and implementation of a homeland security/defense strategy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 746 Global Criminology

This course explores how the traditional field of criminology is being transformed by forces of globalization.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 747 Policing Terrorism

This course examines the role of law enforcement in counter terrorism efforts in the United States. It explores law enforcement responses to terrorism from a critical, best-practices perspective and addresses controversial strategies employed by enforcement agencies responding to terrorism within the context of a democratic government.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 750 Contemporary Issues in Policing

This course is a critical examination of contemporary issues in policing and considers the role of police, theories related to policing, police operations and strategies, public views about police, and outcomes of policing in the U.S.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 751 Applied Evidence-Based Practice in Policing

This course examines the merits and limitations of research-informed policies and techniques utilized by law enforcement agencies to increase public safety and reduce crime. Topics will include hot spot policing, broken windows policing, CPTED, modern technological applications, focused deterrence strategies, predictive policing, problem-oriented policing, community policing, and other relevant evidence-based practices in policing.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CRM 765 Legal Issues in Criminal Justice

This course introduces the student to the role of law and courts in the criminal justice system, with a particular focus on the relationship of the law to police investigatory procedures. Particular emphasis is placed on the role of the United States Supreme Court in interpreting the Fourth, Fifth, and Sixth Amendments. Current legal issues in criminal justice will also be examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 770 Correctional Theory and Practice

This course examines social control responses to lawbreakers including the exploration of classical and contemporary theories and philosophies that have guided American correctional policy, both institutional and community based. Management implications related to policy are addressed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 771 Contemporary Issues in Community Corrections

This course examines modern issues, problems, and practices facing the community corrections profession. A special emphasis is placed on exploring the challenges of interacting with specific types of offender populations, including mental health, substance abuse, and domestic violence offenders, in community and treatment contexts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CRM 772 Applied Evidence-Based Practices in Community Corrections

This course reviews a range of research-informed policies, programs, and practices delivered to offenders in correctional settings to improve supervision and reduce recidivism. In addition to coverage of the relevant literatures, the course emphasizes hands-on applications of evidence-based practices through a variety of active-learning exercise.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CRM 773 Offender Thinking and Decision-making

This course explores how criminal offenders process and prioritize information when they encounter opportunities to violate supervision conditions and commit crime. Beliefs, values, and attitudes used to rationalize criminal behavior are also examined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CRM 777 Crime Prevention in the Modern Age

This course will be a survey of crime prevention methods and the theories associated with them. Particular emphasis will be placed on deterrence and routine activities. Students will use such theories to analyze past and present methods for crime prevention and the reasons behind their successes or failures. Research and policies for crime prevention will also be examined for both public and private industries.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 780 Gangs and Gang Policy

This course explores the nature and scope of street gangs and critically analyzes gang-control policies and programs. A variety of gang-related issues are discussed, including the problems inherent in defining the term "gang," the historical development and organizational structure of gangs, and gang origination, persistence, desistence, prevalence, and migration. In addition, proposed solutions to gang problems are analyzed by examining such policies and programs as gang databases, gang prosecution units, gang enhancement statues, and civil injunctions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 785 U.S. Drug Control Policy

This course provides a historical overview of the formulation, implementation and evaluation of U.S. drug control policy. The focus is on critically reviewing the cultural, social and political forces that have shaped our nation's drug control policies and assessing the research that has been conducted to evaluate the effects of such policies. Topics to be examined include prohibition, interdiction, eradication, legalization, law enforcement and military responses, effects on the criminal justice system, treatment, education and prevention.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CRM 790 Graduate Practicum in Criminology

Prerequisite: permission of instructor.

Faculty supervised experience in a criminology-related agency. Students are expected to work 45 hours in the agency for each credit hour. The practicum includes academic reflection on work experience at the agency. May be repeated for up to 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

CRM 796 Independent Study in Criminology and Criminal Justice

Prerequisite: admission to the MS in Criminology and Criminal Justice or the Master of Professional Studies program with the Criminal Justice option; and permission of instructor.

Faculty supervised independent research directed by a member of the department graduate faculty. May be repeated to a maximum of six hours when the topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

CRM 797 Policy Analysis Capstone

Prerequisite: completion of 27 hours in the MS in Criminology and Criminal Justice program, including the completion or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and permission of a graduate faculty member.

This capstone experience requires an in-depth analysis of a specific criminal justice policy with an emphasis on demonstrating an understanding of the policy (including its historical background and current applications), specifying strengths and weaknesses, and offering suggestions for future research and improvement of the policy. This course should be taken the last semester of coursework.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CRM 798 Thesis I

Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715, and CRM 720; and permission of graduate thesis committee following the successful defense of an initial concept paper.

This phase of the thesis process requires the completion and successful defense of a thesis prospectus, including statement of the problem, literature review, and methodology sections.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CRM 799 Thesis II

Prerequisite: completion of or concurrent enrollment in CRM 701, CRM 705, CRM 715 and CRM 720; and approval of thesis prospectus by the student's thesis committee.


This phase of the thesis process calls for the collection, analysis, and interpretation of data and the development of final conclusions and implications. The final product must be successfully defended in front of the thesis committee.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |





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Criminology and Criminal Justice



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Graduate programs

Master of Science, Criminology and Criminal Justice

Aida Hass, Graduate Director

Strong Hall, Room 227; Phone 417-836-4890

AidaHass@MissouriState.edu (<mailto:AidaHass@MissouriState.edu>)

Program description

This program provides the opportunity for advanced knowledge and understanding of issues involving criminal behavior, the operation of the criminal justice system, crime control policy initiatives, and using theory and research methods for criminal justice program evaluation, within the framework of the university mission in public affairs. The program develops credentials for moving into management positions in criminal justice agencies, provides skills for critically analyzing the impact of criminal justice policy and practice, and serves as a springboard to Ph.D. programs at other universities.

Accelerated Master's Degree option

Eligible Missouri State undergraduate majors in criminology may apply for preliminary acceptance into the Master of Science program in Criminology after admission requirements for the accelerated master's option have been satisfied. This option allows a student to take up to 12 hours of graduate credit counting toward both the requirements for the bachelor's and master's degrees in criminology. However, only six of these hours may count as electives in the criminology undergraduate program, with the remaining six hours counting as free electives toward the 125 credit hours required for the undergraduate degree.

If accepted, it is possible for a student to earn the Master of Science in Criminology by taking an additional two semesters and one summer beyond the completion of the Bachelor's degree, accumulating 143 total credits as opposed to the 155 required for students not in the accelerated program, assuming the student selects the thesis option. If the student elects the non-thesis option, they must complete at least 149 total hours as opposed to the 161 required for students not in the accelerated program.

Before enrolling in a course to be counted as both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head, and Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). Contact the Graduate College for further information.

Admission requirements for the Accelerated Master's option

1. Junior standing and an overall GPA of 3.25 or better.
2. Completion of CRM 210, CRM 320, CRM 340 and six additional hours of CRM with a GPA of 3.40 or better.
3. Submit a written statement of purpose explaining why the student wants to pursue the accelerated master's program along with the prospective plans following graduation.
4. Submit two reference letters from faculty familiar with their academic performance.
5. Be formally admitted to the accelerated master's option by the Criminology Graduate Admissions Committee.

Entrance requirements for regular MS, Criminology Program

1. A bachelor's degree in sociology, criminology, or criminal justice; AND a minimum overall GPA of 3.00 on a 4.00 scale; OR at least a 3.00 on a 4.00 scale for the last 60 hours of academic course work; **OR** have a combined score of 290 (875 under the old scoring system before August 1, 2011) on the verbal and quantitative sections of the Graduate Record Examination.
2. Students without a bachelor's degree in sociology, criminology or criminal justice may be required to take up to fifteen hours of undergraduate course work at the discretion of the Graduate Director. The requirement for course work may be waived by the Graduate Director based on equivalent course work, professional education, and/or work experience in the criminal justice system.
3. Students who do not meet the minimum entrance requirements stated in Item #1 may be admitted conditionally to the program at the discretion of the program admission committee and the approval of the Graduate Dean. Conditional admission might be based on factors such as work experience or other indications of academic potential found in the application materials. On a case-by-case basis, the committee will set terms for full admission to the program.
4. Applicants must submit the following materials:
 - The Graduate Admission Application.
 - The application fee.
 - One official copy of transcripts showing course work for the bachelor's degree.

- GRE scores (if applicable).
- Statement of intent describing reasons for applying to the MS in Criminology along with post-graduation plans.
- Three reference letters that speak to the applicant's academic potential.

Applicants must formally be admitted to the program by the Criminology Graduate Admissions Committee.

Degree requirements

Thesis option (A minimum of 30 hours)

1. Core Requirements - 21 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| CRM 701 | Criminal Justice Policy | 3 hrs |
| CRM 705 | Applied Research in Criminal Justice | 3 hrs |
| CRM 715 | Leadership and Management in Criminal Justice | 3 hrs |
| CRM 720 | Crime Theory and Policy | 3 hrs |
| CRM 798 | Thesis I | 3 hrs |
| CRM 799 | Thesis II | 3 hrs |

Students must take one of the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|----------------------------------|--------------|
| CRM 730 | Juvenile Justice | 3 hrs |
| CRM 750 | Contemporary Issues in Policing | 3 hrs |
| CRM 765 | Legal Issues in Criminal Justice | 3 hrs |
| CRM 770 | Correctional Theory and Practice | 3 hrs |

2. Electives. Nine hours including a minimum of three hours taken from remaining CRM graduate-level courses. Courses outside CRM must be approved by the student's advisor.

Non-Thesis option (a minimum of 36 hours)

1. Core Requirements - 15 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| CRM 701 | Criminal Justice Policy | 3 hrs |
| CRM 705 | Applied Research in Criminal Justice | 3 hrs |
| CRM 715 | Leadership and Management in Criminal Justice | 3 hrs |
| CRM 720 | Crime Theory and Policy | 3 hrs |
| CRM 797 | Policy Analysis Capstone | 3 hrs |

Students must take one of the following:

| Course Code | Course Title | Credit Hours |
|-------------------------|----------------------------------|--------------|
| CRM 730 | Juvenile Justice | 3 hrs |
| CRM 750 | Contemporary Issues in Policing | 3 hrs |
| CRM 765 | Legal Issues in Criminal Justice | 3 hrs |
| CRM 770 | Correctional Theory and Practice | 3 hrs |

2. Electives. Eighteen hours including a minimum of twelve hours taken from remaining CRM graduate-level courses. Courses outside CRM must be approved by the student's advisor.



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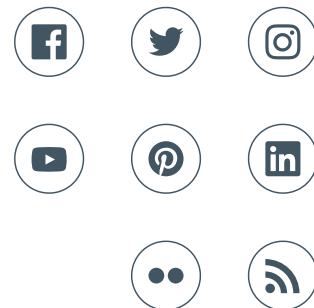
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Professional Studies: Criminal Justice Option



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Master of Professional Studies: Criminal Justice Option

The Department of Criminology and Criminal Justice participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(/Catalog/professionalstudies.htm\)](#) for more information.

Criminal Justice Option required courses:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| CRM 701 | Criminal Justice Policy | 3 hrs |
| CRM 740 | Foundations of Homeland Defense and Security | 3 hrs |

| | | |
|-------------------------|----------------------------------|-------|
| CRM 750 | Law Enforcement and Community | 3 hrs |
| CRM 770 | Correctional Theory and Practice | 3 hrs |



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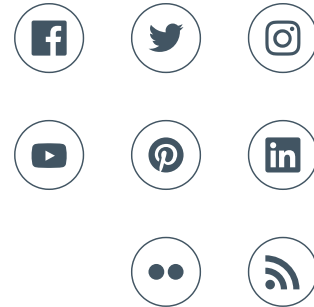
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Professional Studies: Homeland Security and Defense Option

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Graduate programs

Professional Studies: Homeland Security Option

The Department of Criminology and Criminal Justice participates in the Master of Professional Studies (MPS) degree. The MPS is an interdisciplinary program composed of courses from departments and colleges across campus. The program, which includes availability of courses online as well as on campus, is administered by a faculty committee and located in the Graduate College. See [MPS Program \(/Catalog/professionalstudies.htm\)](#) for more information.

Required Courses (12 hrs)

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| CRM 740 | Foundations of Homeland Defense and Security | 3 hrs |
| | | |



| | | |
|-------------------------|--|-----------------|
| CRM 745 | Topics in Homeland Defense and Security | 3 hrs |
| PLS 717 | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| PLS 719 | Strategic Planning and Organizational Imperatives in Homeland Security | 3 hrs |
| | Total | 12 hours |



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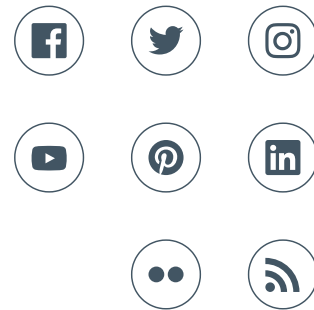
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Crime Prevention



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Certificate in Crime Prevention

William Sandel, Certificate Advisor

Strong Hall 330B

417-836-6679

WSandel@MissouriState.edu (mailto:WSandel@MissouriState.edu)

Program description

Crime Prevention is one of the most important objectives in the criminal justice system (CJS). This is a topic that spans both the public and private sectors in addition to the community. Many of the current policies in the criminal justice system work towards reducing crime by: 1) preventing it from occurring in the first place using environmental and social design (primary crime prevention), 2) focusing on high risk populations (secondary crime prevention), and 3) attempting to deter offenders from committing more crime in the future (tertiary crime prevention). This certificate focuses on the different levels of crime preventions and the evidence-based practices for their success.

Admissions criteria

To be considered for the program, a student must have a 2.75 grade point average. Students who do not meet this criterion, but demonstrate potential for success through career experience, may be admitted at the

discretion of the Certificate Advisor. Admission to this certificate program does not constitute admission to any other Missouri State University graduate program.





Required courses - 12 hours total

Required courses

| Course(s) | Area of Study | Credit Hours |
|-------------------------|---|--------------|
| CRM 720 | Crime Theory and Policy | 3 hrs |
| CRM 751 | Applied Evidence-Based Practices in Policing | 3 hrs |
| CRM 772 | Applied Evidence-Based Practices in Community Corrections | 3 hrs |
| CRM 777 | Crime Prevention in the Modern Age | 3 hrs |

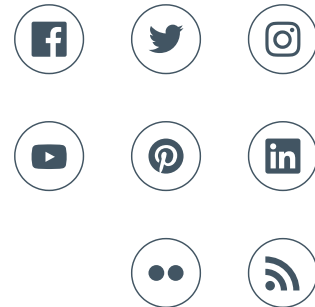


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Criminal Justice Leadership and Management



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Certificate in Criminal Justice Leadership and Management

Michael Kyle, Program Director

Strong Hall 226

417-836-4333

MichaelKyle@MissouriState.edu (mailto:MichaelKyle@MissouriState.edu)

Program description

Criminal Justice agency administrators require a specialized combination of knowledge, which includes a foundation in criminal justice policy, policy analysis and research interpretation skills, knowledge of ethical leadership principles, and knowledge of management techniques and or/ financial management. The Graduate Certificate in Criminal Justice Leadership and Management prepares the student for a leadership role with courses covering these four key areas.


Admissions criteria

To be considered for the program, a student must have a 2.75 grade point average.


Required courses - 12 hours total


| Course(s) | Area of Study | Credit Hours |
|--|--|--------------|
| CRM 701 | Criminal Justice Policy | 3 hrs |
| CRM 715 | Leadership and Management in Criminal Justice | 3 hrs |
| PLS 778 | Ethics and Leadership in the Public Sector | 3 hrs |
| PLS 756 OR PLS 753 | Financial Management for State and Local Government OR Management Techniques and Organizational Behavior | 3 hrs |

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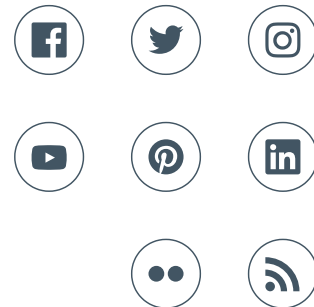
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Homeland Security and Defense



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Certificate in Homeland Security and Defense

Aida Hass, Graduate Director

Strong Hall, Room 227; Phone 417-836-4890

AidaHass@MissouriState.edu (<mailto:AidaHass@MissouriState.edu>)

Program description

The certificate in Homeland Security and Defense provides a 12 hour graduate-level experience for people working or desiring to work in the field of homeland security and defense. This program provides leadership education and critical thinking skills for dealing with threats faced in the global war on terror.

The curriculum is structured around key policy and organizational problems involving homeland security. Each course prepares students to master core issues, principles, and problem-solving approaches that can be applied to specific challenges confronting their jurisdictions or sponsoring organizations.

Admission criteria

To be considered for the program, a student must have a 2.75 grade point average and be admitted to the certificate program. Students who do not meet this criterion, but demonstrate potential for success through

career experience, may be admitted at the discretion of the Certificate Advisor and with the approval of the Dean of the Graduate College. Admission to this certificate program does not constitute admission to any other Missouri State University graduate program.


Required courses - 12 hours

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| CRM 740 | Foundations of Homeland Defense and Security | 3 hrs |
| CRM 745 | Topics in Homeland Defense and Security | 3 hrs |
| PLS 717 | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| PLS 719 | Strategic Planning and Organizational Imperatives in Homeland Security | 3 hrs |





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Missouri State


Graduate College

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Department of Defense and Strategic Studies

Programs

 Includes accelerated master's option

 Program can be completed online

Doctoral programs

[Defense and Strategic Studies \(DDSS\)](#)

Master's programs

[Defense and Strategic Studies \(MS\)](#)

Certificates

[Countering Weapons of Mass Destruction \(CWMD\)](#)
(Certificate)

[Defense and Strategic Studies](#) (Certificate)

General Information

The Department of Defense and Strategic Studies is located in Fairfax, VA and provides professional, graduate-level education in national security policy; cyber security; WMD proliferation; international terrorism; military operations; global security challenges; foreign policy; arms control; missile proliferation; international security affairs; defense policy analysis, planning and programs; and intelligence analysis.

Contact

Interim Department head

John Rose

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Michaela Dodge

Richard D. Downie

Gary Geipel

Scott Lawrence Glabe

Dana Johnson

Kerry M, Kartchner

James Kiras

Susan J. Koch

Jennie S. Liston

John M. Mattox

Brian M. Mazanec

Robert McCreight

Curtis McGiffin

Jared McKinney

Brendan Melley

Amanda Moodie

Amy Nelson

Instructor

Andrei Y. Shoumikhin

Visiting professor

John Rose

Adjunct faculty

Ilan I. Berman

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W. Seth Carus

David Claborn

Peppino A. DeBiaso

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Emeritus Professor


Keith Payne



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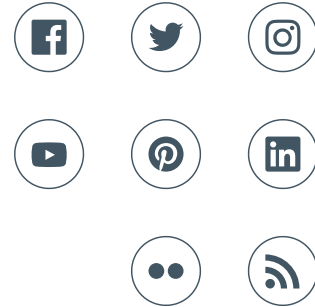
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Defense and Strategic Studies Courses

Defense and Strategic Studies (DSS) courses

DSS 601 Seminar on Nuclear Strategy and Arms Control

This seminar examines the development of U.S. nuclear deterrence theory and policy. The seminar will study the strategic nuclear balance, including specific problems and programs, and the strategic doctrine, concepts, and objectives of the nuclear powers. Nuclear arms control, including the processes of decision making and negotiating, will be examined, with an emphasis on comparing theory and practice.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 630 International Law and Global Security

This is a survey course designed to introduce students to the core principles and defining features of the international legal system, and to the changing role of international law in contemporary national and global security. Emphasis will be placed on the applicability of international law to armed conflict, counterterrorism, and containing the spread of weapons of mass destruction.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

DSS 631 International Negotiations

This course combines the basics of negotiation theory and the examination of select international negotiation case studies with three practical "hands-on" negotiation exercises. It will explore various techniques for diagnosing the structure of a negotiation and identifying potential barriers to agreement. Case studies considered include: Negotiation of 1994 Framework Agreement with North Korea, George Mitchell's mediation in Northern Ireland resulting in the Good Friday Accords, the secret Oslo discussions leading to Israeli recognition of the PLO, The Louisiana Purchase, the Congress of Vienna, the Panama Canal negotiations, and the Egyptian-Israeli Armistice. The course is conducted as a series of interactive seminars including three simulated negotiations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 632 Seminar on International Security Affairs

Examines international and regional security problems and policies from both a regional and global perspective. It treats strategies and security problems from a broader viewpoint than the Seminar on Strategy and Arms Control, covering national interests, alliance relationships, intervention, regional threats, and the security problems of other states, including China and Russia.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 633 Analysis of International Security Politics

This course deals with the methods and techniques of collecting and assessing information for use in the study of international security politics, problems, and policies. It explores the measures of relative power among nations and the manner in which such power or lack of it shapes the capability of a nation effectively to act in the international sphere.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 634 The Geopolitics of Conflict and Accommodation

The application of the techniques and understanding lent by the geography to the illumination of the physical and social environment in which politics, strategy, and war take place. The relationship among geography, strategy, and politics is studied through the examination of both historical and contemporary circumstances where geography has intruded on politics or politics on geography. Students will be introduced to the

geopolitical concepts of sea power, land power and air power, and these concepts will be critiqued in light of recent technological changes in warfare.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 700 Strategy and U.S. Defense Policy

This course provides an examination of the basic concepts and issues of strategy, deterrence, defense, and arms control, and an overview of American defense policies, programs, and problems since World War II. Comparative strategic concepts, policies, and objectives are covered. Proliferation and measures of counter-proliferation, including arms control are examined on an introductory basis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 702 Seminar on Regional Security Problems

This seminar provides an advanced and in-depth analysis of selected contemporary regional security problems outside of Western Europe. It focuses on a few critical conflict situations, analyzes threats to regional and to U.S. interests, and examines alternative strategic policies and actions, including military force requirements, for the states involved.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 703 Science, Technology, and Defense Policy

This course will cover four broad topics important to advanced work in DSS: basic principles and applications of defense science and technology; such as nuclear weapons effects, ballistic missiles, and strategic defenses; the influence of science and technology on defense programs and policies; the role of the scientific and technical community in defense policy; and current issues of defense science and technology.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

DSS 704 Arms Control: Theory and Practice

An examination of contending arms control theories and concepts as tested by postwar and contemporary experience, bilateral and multilateral. There will be in-depth analysis of American and Russian approaches to arms control, as well as consideration of the arms control policies of other states. The course will study scientific and technical problems in arms control, including those of R and D, testing, production, and deployment; arms negotiations, and issues in verification and compliance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 705 NATO Security Issues

After an examination of the history of NATO policies, defense policies, and security issues, emphasis will be placed on analysis of current NATO security problems and options, including specific military defense alternatives. The individual security policies of the U.S., UK, FRG, and France will be studied, along with problems on the northern and southern flanks, and policies for outside-NATO-area security problems. Literature on the future of NATO would be included.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

DSS 706 Russian Military Strategy

The first part of this seminar will review and study Soviet military policy, doctrine, strategy, and programs from the 1950s through the 1980s. It will consider problems of identifying, interpreting, and analyzing Soviet strategic policies and programs - in essence, problems of U.S. intelligence and threat assessment. The second part of the seminar will extend this study to Post-USSR Russia and current directions of Russian strategic policy both for territories of the former USSR and beyond. Particular emphasis will be placed on military reform, continuity and change in military policy, and the status and role of the Russian military forces.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 707 Seminar on Congress, National Security, and Weapons of Mass Destruction

Advanced research, study, and analysis of defense programs, policies, and the policy and budget processes, both within the Congress and the Department of Defense. Included also will be the comparative analysis of

various studies, analyses, and critiques of U.S. defense programs and plans, and of regional and global WMD capabilities. Department of Defense administration and organization will also be studied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 708 Seminar on Contemporary Security Issues in Russia

This seminar addresses on an advanced level current developments in Russia and other states of the former Soviet Union as they bear on issues of national and international security and on U.S. security policy-making. The approach will combine analysis of internal developments related to military power and policy, and of evolving international policies, with strategic and geopolitical analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 709 Seminar on Space Policy and Security

This course examines the extent to which spacepower doctrine, concepts, and operations influence national security strategy and international security. It identifies key space policy issues facing the United States and places them in the larger context of technological advances and a changing international strategic environment. The course will briefly examine the historical and policy foundations for the U.S. and international space programs and activities, including space policy evolution and international space law and treaties. It will then address current issues facing U.S. space programs, including efforts to reorganize national security space activities, and current international efforts to develop "rules of the road" for space activities. The course will also address strategic choices facing other nations in space capabilities, including continued dependence on U.S., European, and Russian space capabilities, developing indigenous space programs, and reliance on commercial space capabilities. Conflicts over dual-use technologies, such as space launch, remote sensing, satellite navigation, and communications, will be examined for their implications for such topics as spectrum management, and more broadly, for international security. Students will have an opportunity to apply insights gained from their readings and class discussion in a future wargame that includes both space and terrestrial crises and involves student team of players.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 710 Seminar on International Terrorism and Security

This seminar will attempt to define and examine security issues related to terrorism and low-intensity conflict today. The origins of modern terrorism will be explored and terrorism will be put in the context of a strategy to

achieve political ends. Case studies of terrorism in various regions, e.g., the Middle East, Europe and the United States, will show some of the current empirical evidence of global terrorist activities. The impact terrorism has on liberal societies and their ability to defend themselves will be examined in the context of counterterrorism strategies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 711 The Rise of the United States to Preeminence

This course will discuss the political development of the United States and its rise to great power, and then superpower status. Students will study a number of major U.S. wars and the political circumstances surrounding those conflicts. The course will address why the United States successfully developed into a world power and how its grand strategy changed over time. It will ask what lessons today's strategists can draw from the experiences of their predecessors.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 712 American National Security Policy

This course evaluates the major actors and components of American national security policy. America's traditional national interests are studied--accenting World War II, the Cold War, and the present day. The course also addresses the circumstances of major foreign policy crises, such as the Cuban Missile Crisis, and the causes of successful and unsuccessful American interventions during the Cold War and after. Additionally, it considers America's foreign and defense policy in the post-Cold War world, and particular emphasis is placed on American policies toward other great powers such as China, Japan, and Russia, as well as in contemporary foreign and defense policy crises such as the war on terrorism.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 713 Intelligence, Counterintelligence, and Covert Action

This course examines the role of intelligence and counterintelligence in the formulation and execution of state national security policies in democratic governments, and the impact of intelligence operations on international relations. The intelligence process is examined including the problems and opportunities associated with targeting or the tasking of intelligence agencies, the media of intelligence collection, the difficulties of analysis and evaluation, and counterintelligence. Additionally, covert action and paramilitary activities are studied with emphasis on the manner by which successes and failures have influenced military and foreign policy outcomes.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 714 Seminar on Strategic Thought

There is a rich literature on strategy and warfare, and even the oldest surviving works on strategy are arguably relevant to contemporary political leaders. This course will examine the ideas of strategic thinkers who lived in historical periods ranging from the ancient world to the present. Students will read works by (and in some cases, about) such figures as Sun Tzu, Niccolo Machiavelli, Napoleon Bonaparte, Baron Antoine Henri de Jomini, Carl von Clausewitz, Thucydides, Thomas Schelling, and Herman Kahn. Students will discuss how these thinkers have influenced strategic studies, and how military-strategic thought has developed over time.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 715 Grand Strategy

This seminar examines the role of grand strategy in international security. Emphasis is placed on the nature and role of grand strategy, and the major systemic and domestic factors that influence grand strategy. The nature of grand strategy will be introduced historically, and the grand strategies of the major world powers prior to and during World Wars I and II, the Cold War, and post-Cold War period, will be studied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 716 Understanding Military Operations

This seminar delineates selected past, current, and future sea, air, space, and land conflicts into their constituent parts in order to examine the interaction of political objectives and military doctrine. It will specifically seek to explore how the political objectives and military doctrine influence technological development and military innovation. To meet these objectives, the seminar will examine a variety of international political and doctrinal problems that have had a major impact on American national security policy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 717 Small Wars, Imperial Conflicts, and Guerrilla Warfare

This seminar examines some of the many forms of warfare that differ from "symmetrical" conflicts between great powers, with special attention to how great powers fight such wars and why they succeed or fail in bringing them to a satisfactory conclusion. Students will read a variety of literature written by authors such as C. E. Calwell, Victor Davis Hanson, and Colin Gray, as well as insurgents such as Che Guevara. The class will include a number of historical case studies, with an emphasis on the nineteenth, twentieth, and twenty-first centuries.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 718 Causes of War

This seminar explores the causes of warfare through the lens of human evolution, psychological approaches, economic system, ideology, and the international system, with the intention of understanding the strengths and limitations of each level of analysis. From that foundation, the seminar applies each level of analysis to the study of the origins of particularly significant wars: the Peloponnesian, Crimean, Seven Years', Korean, and Vietnam Wars, as well as World War I and World War II.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 719 Strategic Culture

Provides an introduction to using strategic culture as an analytical approach to understanding the cultural, religious, historical, and leadership sources of state and non-state actor behavior, with special reference to issues related to weapons of mass destruction. The concept of strategic culture captures domestic sources of state behavior, and offers an alternative or supplemental explanatory framework to the prevailing realist and constructionist theories of international relations. Examines the cultural context for applying theories of deterrence and dissuasion, and will involve a survey of thinking and analysis on strategic culture, from both theoretical and policy perspectives, as well as an exposure to the framework and methodology of strategic cultural analysis. Several key strategic cultures will serve as case studies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 720 Internship Training in DSS Policy

Prerequisite: permission of instructor and acceptance by employer.

Internship experience and training in defense and arms control policy making with a U.S. Government department or agency, a Washington, D.C., based defense policy research institute, or institution of comparable professional experience, including preparation of a written report or research paper based upon the internship. May be repeated to a maximum of 6 hours toward degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3-6 | | | Fall, Spring, Summer |

DSS 721 Missile Defense, Proliferation and Contemporary Warfare

Examines the role of missile defense in the national security policies, programs, and military doctrines of the United States. Emphasis on exploring the evolution of missile defense within the broader context of contemporary American deterrence and defense policy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 722 Emerging Strategic Challenges

For the purpose of this seminar, strategic challenges are defined as those emerging trends or security threats--political, economic, or military--that could fundamentally alter the present pattern of interstate relations or the core principles of U.S. foreign and defense policy. Examples include a possible cascade of proliferation resulting in 20 or 30 nuclear-armed states, a single terrorist with a nuclear weapon, or a resurgent Russia or ascendant China rising to a level of a peer competitor of the United States. Seminar reading and discussions will focus on: 1) Examining the causes, effects, and responses to these potential strategic challenges, especially the spread of weapons of mass destruction to state and non-state actors, both terrorists and enablers such as the A.Q. Kahn network; 2) Assessing assumptions, policies and capabilities for dealing with these challenges and how the concept of dissuasion, deterrence, and defense must adapt to the new security environment; and 3) Exploring how best to hedge against strategic uncertainties and how best to shape the future of the nuclear enterprise to promote the expansion of nuclear energy globally while reducing the risks of proliferation. 3-0) F

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

DSS 723 Counterproliferation

Explores the challenges posed by nuclear and biological weapons in the hands of state and non-state actors. Students will investigate why various actors pursue these weapons, why some give them up, why others refuse to give them up, and the assorted instruments of national power that may be employed in the development of a

national strategy to combat these weapons. Students will consider both the national security and homeland security aspects of these challenges. The subject matter will provide a vehicle for refining critical analytical skills; both verbal and written. The course will stress the refinement of each student's analytical and problem solving abilities as part of their development as national security strategists.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 724 Leadership in National Security Policy

Addresses the issue of national security policy leadership. Students will investigate the critical topics, including the components of good leadership, and the consequences of leadership failures. Speakers from the national security community will participate in order to explain the leadership challenges they faced in their careers. The subject matter will provide a vehicle for refining student leadership skills as part of their development as national security strategists.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

DSS 725 Seminar on Instruments of State Power

Instruments of state power encompass a broad range of tools--diplomatic, economic, intelligence, scientific and military--at the disposal of the state in the formulation and implementation of national security policy. Understanding the foundations, applications, and integration of these instruments is essential for the successful practitioner or scholar of security affairs. This seminar will focus on the individual instruments of U.S. power and their interrelationships in the conduct of foreign and defense policy. The class will employ case studies to assess the role of these instruments and the success and failure of their application.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

DSS 726 Chinese Military Power

This course focuses on the rising military power of China (its motivation and implications), Chinese objectives in Asia and their relationship to its military buildup, the impact of the Chinese military buildup on the military and deterrence requirements of the United States and our Asia Allies, the prospect and outcome of a military confrontation between China and Taiwan, including potential involvement of the United States and, in light of the potentially catastrophic consequences of a major war in the Far East, issues relating to the deterrence of China. The focus of the course will be on relatively recent developments--1990 to the present because of the dramatic shift in Chinese military capabilities, doctrine and objectives during this period.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 727 Chemical and Biological Warfare: Global and Community Perspectives

This course will help the student develop a global perspective on factors that may lead to the development and deployment of weapons of mass destruction, specifically the chemical and biological warfare agents. The introduction will consist of a history of the use of chemical and biological warfare, both on the traditional and the asymmetric battle fields. The biology and toxicology of the agents will be presented at a basic level sufficient to understand the development of use of countermeasures. Community preparedness in the form of immunizations, prophylaxis, and facility hardening will be addressed, followed by presentations on community risk analysis, response planning and decontamination of personnel and facilities. Class discussions will include (1) the role different national agencies (DoD, Homeland Security, state governments, etc.) play in protecting the populace (2) the effectiveness of recent homeland security efforts toward protecting communities from the effects of chemical and biological warfare agents (3) and global developments in religion and politics which impact the potential use of chemical and biological warfare, including globalism and jihadism. This course will be taught completely online.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

DSS 728 Terrorism: Advanced Research Topics

Prerequisite: DSS 710 and permission of instructor.

An intense, research-based exploration of terrorism problems, patterns, and trends as these confront societies and governments in key regions of the globe, especially North America, Latin America, Western Europe and the Maghreb.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 737 Advanced Studies in Chemical and Biological Warfare

Prerequisite: DSS 727.

This course builds on elements of DSS 727, Chemical and Biological Warfare: Global and Community Perspectives. The purpose of the course is to allow the student an opportunity to delve more deeply into a

specific aspect of the field that is of great interest to the student. Subjects that were covered in the earlier course that might be considered for in-depth review include decontamination, pertinent treaties and conventions, weapons monitoring, dangers presented by industrial chemicals, and historical analysis of the use of chemical/biological weapons. Additional topics that might be considered are the natural epidemiology of diseases like tularemia, plague or anthrax, or risk assessments for potential chemical/biological weapons used by specific nations or sub-national groups. Each student will choose a separate subject to explore.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 740 Ethics of Weapons of Mass Destruction

This seminar examines the wide-ranging moral issues associated with weapons of mass destruction (WMD). It highlights the key moral dilemmas associated with the decision to develop, acquire, maintain, employ, or dispose of WMD. It situates WMD moral discourse in the context of both standard ethical paradigms pertaining to the conduct of individuals in society as well as those paradigms associated with the regulation of violence in armed conflict, in both their theoretical and practical dimensions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 794 Active In Research

Students who have completed all course work and are only working on their research component may register for this course. The course is assessed a \$600 supplemental course fee and allows the following: access to the library including online services, access to computer services and Missouri State email, and scheduled meetings and access to DSS professors. Course is for zero credit hours and is graded "P" (pass) or "W" (student discontinues participation in the course and is dropped from the course).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 0 | 0 | 0 | Fall, Spring, Summer |

DSS 795 Seminar: CWMD Graduate Fellows Colloquium

Prerequisite: permission of instructor and active US security clearance.

This is the capstone course of the National Defense University (NDU) CWMD Fellowship Program. Its purpose is to provide (NDU) CWMD Fellows occasion to: interact with other CWMD Fellows at the classified level; reflect upon and synthesize broad themes encountered in program course work; appreciate the complexities

associated with DoD's CWMD challenges in an interagency context; and acquire unique professional tools that will facilitate their success as CWMD practitioners in the United States government.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |

DSS 796 Directed Reading and Research in Defense and Strategic Studies

Prerequisite: permission of instructor.

Individually tailored directed readings or research for bibliographical purposes; for improvement of research skills; for the purposes of a broader background of knowledge (e.g., in areas not covered by seminars, such as classical writings on strategy, and on the art of warfare historically or in the American experience); for more depth in selected areas of specialization; and/or to help meet the non-thesis MS degree research requirement. May be repeated to a maximum of 9 hours toward degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3-9 | | | Fall, Spring, Summer |

DSS 797 Special Topics

Special topics may be offered as specific important issues, which are not adequately covered by regular seminars, arise; when Distinguished Guest seminars and work-shops can be planned ahead of time; or when visiting faculty wish to offer specialized courses not in the curriculum. May be repeated to a maximum of 6 hours, as topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3-6 | | | Upon demand |

DSS 798 Seminar on Contemporary Defense Issues

This seminar will address important contemporary defense and international security issues and may be offered to develop areas of study that are insufficiently covered by regular seminars, or when distinguished guest faculty or speakers wish to offer a specialized seminar not provided by the curriculum. May be repeated to a maximum of 6 hours, as topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

DSS 799 Thesis

Prerequisite: completion of DSS course requirements for MS degree (30 hours minimum).

Independent research and study connected with preparation of thesis. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | | | Fall, Spring, Summer |

DSS 801 Advanced Nuclear Strategy, Deterrence and Arms Control

It is always safer and cheaper to deter a war rather than to wage war. However, as a practitioner of strategy, one must understand the theory of deterrence before one can begin to apply a strategy of deterrence. Today's strategists are working in a dynamic and multipolar environment. They will need to devise various and flexible approaches of deterrence across the strategic spectrum; adapting to diverse opponents, threats, and milieus. This course explores deterrence theory, doctrine, strategy, and application across a spectrum of environments. It provides students with a practitioner's perspective of nuclear deterrence and cross-domain deterrence in the 21st century and enhances their knowledge of deterrence theory and application from the nation-state perspective. Finally, this course will expose students to [national] grand strategy development as well as deterrence theory methodology and application in various domains and environments to include nuclear deterrence, deterrence in space and cyberspace, and deterrence of rogue states and terrorist organizations. This course will explore these and other issues related to deterrence and national security in the 21st century. It is meant to present the complex topic of "deterrence theory." Students are encouraged to consider the spectrum of alternative points of view reviewed in the course material. The first block will introduce the basics of deterrence and the concept of nuclear deterrence. The second block will explore 21st century deterrence methods through the kaleidoscope of threats and environments to include nuclear, outer space, cyberspace, terrorism, conventional forces, and diplomacy. In the final block, students will apply 21st century deterrence theory by crafting and presenting a short opinion paper, gaming deterrence and escalation control strategy, and garnering the perspective of deterrence thinkers and doers. During this course, students will gain and demonstrate an understanding of: 1) the Ends-Ways-Means of nation-state deterrence strategy; 2) the characteristics and methods of deterrence across the operational spectrum; 3) the evolution of nuclear deterrence and the strategic triad; 4) the methods and potential impact of adversary deterrence, how deterrence can fail, and the consequences of deterrence failure.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

DSS 832 Advanced Survey and Writing in International Security Affairs

This is a required course for doctoral students. It is strongly recommended that doctoral students take DSS 832 during their first or second semester in the doctoral program. This course provides an overview of developments in the realm of international security since the end of the Cold War. It seeks to equip the students with an understanding of key issues in contemporary international security and enhance their ability to analyze these issues using various theoretical and empirical tools. It also seeks to strengthen student writing and briefing skills, with a particular focus on the particular style of professional writing and briefing most useful for students intending to advance their careers in government service or other professional positions in the field. This doctoral-level course will review key issues in contemporary international relations, including: the causes of war; the return of great power competition since the end of the Cold War; security issues in regional theaters, including Asia, Europe, the Middle East and South America; efforts to combat weapons of mass destruction, terrorism and proliferation; arms control, etc. Students will have an opportunity to practice and perfect their analytic and writing skills in these subject areas. In dedicated "Writing Skills Seminars," the writing instructor will review best practices and highlight skills that can help students to become more efficient and effective writers and briefers. These seminars will cover the most common formats and key components of written communications and briefings on national-security issues. The writing instructor also will offer 1:1 writing tutorials to each student, dedicated to improving early drafts of their course papers. A key goal of the writing and briefing portions of the course are to help students strengthen their writing and briefing skills prior to undertaking their Professional Doctoral Capstone Project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring, Summer |

DSS 896 Doctoral Capstone Project: Advanced Tutorial Course on Deterrence Theory and Policy

This course is intended for doctoral students. It is an advanced tutorial that involves, reading, research and writing with a selected professor. The purpose of the course is to help guide and prepare the doctoral student throughout the process of the student's Professional Doctoral Capstone Project, from its beginning to the final presentation before the student's Doctoral Committee. This course is individually tailored by the doctoral student and a selected professor for this purpose. It is the responsibility of the student to request that a particular professor serve in this capacity; DSS will not select the professor for the student. The selected professor and student will agree on the specific national security issue to be addressed by the student, and they will work together to the completion of the Doctoral Capstone Project over the course of two semesters of DSS 896. The selected professor will serve as the Chairperson of the student's three-person Doctoral Committee. DSS 896 will be repeated twice, for a minimum and maximum of 6 hours credit toward meeting the doctoral degree requirements. It is strongly recommended that doctoral students take DSS 896 during the final two semesters of their doctoral program, and that the student request the participation of the professor during the prior semester.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 3 | 3 | 0 | Fall, Spring, Summer |



Missouri State

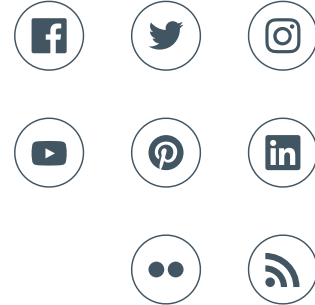
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Defense and Strategic Studies



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Doctor of Defense and Strategic Studies

This program operates in Fairfax, Virginia, and is certified by the State Council of Higher Education for Virginia (SCHEV).

Keith Payne, Program Director

9302 Lee Hwy, Suite 760, Phone 703-218-3565

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Program description

The Doctor of Defense and Strategic Studies (DDSS) program provides knowledge and skills in the field of international security studies with an emphasis on countering the threat posed by Weapons of Mass Destruction to U.S. and allied national security. This program will prepare national and international security professionals to work in various settings, including civilian and military public service, non-governmental “think tanks,” and commercial defense industry. Graduates specialize in various global or regional international security issues and are able to assess specific security challenges, formulate prospective options for addressing those challenges, and identify the prospective policy and other requirements needed to help implement those options to strengthen U.S. and allied security conditions.

Entrance requirements

To be considered for admission to the Doctorate of Defenses and Strategic Studies (DDSS), a student must meet the requirements listed below.

1. Completion of the baccalaureate degree from an accredited college or university.
2. Cumulative GPA of 3.00 over the last 60 hours of academic work taken.
3. A personal philosophy statement that addresses the applicant's professional career goals and how the program will help accomplish these goals.
4. Two letters of recommendation from graduate faculty or professionals acquainted with the student's academic work or research and analytical skills.
5. A brief C.V.
6. Students for whom English is a second language must earn a minimum score of 79 (internet-based) on the Test of English as a Foreign Language (TOEFL) or a 6.0 on the International English Language Testing System (IELTS).

Retention requirements

Consistent with Graduate College policy, students may not accumulate more than 9 hours of grades below a B- and remain in the program

Degree requirements (66 hours)

Foundation Courses (36 hours)

Foundation courses may be taken from the department's master's degree program (courses listed below). Students who hold a master's degree in a related field can be admitted with advanced standing and may not be required to complete additional foundation courses.

- [DSS 601](#) Seminar on Nuclear Strategy and Arms Control
- [DSS 632](#) Seminar on International Security Affairs
- [DSS 700](#) Strategy and U.S. Defense Policy
- [DSS 707](#) Congress, National Security, and WMD
- [DSS 710](#) Seminar on International Terrorism and Security
- [DSS 719](#) Strategic Culture
- [DSS 720](#) Internship Training in DSS Policy
- [DSS 721](#) Missile Defense, Proliferation and Contemporary Warfare
- [DSS 722](#) Emerging Strategic Challenges
- [DSS 723](#) Counterproliferation
- [DSS 725](#) Seminar on Instruments of State Power
- [DSS 727](#) Chemical and Biological Warfare
- [DSS 796](#) Directed Reading and Research in Defense and Strategic Studies
- [DSS 797](#) Special Topics: Cyber Warfare/Security

Core Courses (15 hours)

- [DSS 720](#) Internship Training in DSS Policy (3 hours)
- [DSS 801](#) Advanced Nuclear Strategy, Deterrence, and Arms Control (3 hours)
- [DSS 832](#) Advanced Survey and Writing in International Security Affairs (3 hours)
- [DSS 896](#) Doctoral Capstone Project (6 hours)

Advanced Seminars (15 hours)

Advanced seminar courses focus on application of foundational knowledge. Students work with their advisor to choose courses that are relevant for their focus of study. Course options are listed below.

- [DSS 702](#) Seminar on Regional Security Problems
- [DSS 705](#) NATO Security Issues
- [DSS 708](#) Seminar on Contemporary Security Issues in the Former USSR
- [DSS 713](#) Intelligence, Counterintelligence, and Covert Action
- [DSS 724](#) Leadership in National Security Policy
- [DSS 726](#) Chinese Military Power
- [DSS 728](#) Terrorism: Advanced Research Topics
- [DSS 737](#) Advanced Studies in Chemical and Biological Warfare
- [DSS 797](#) Special Topics: Security Challenges in Latin America



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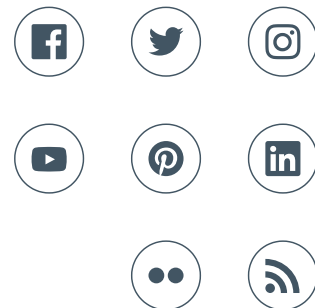
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Graduate College

Graduate Catalog

Defense and Strategic Studies



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Graduate programs

Master of Science, Defense and Strategic Studies

This program operates in Fairfax, Virginia, and is certified by the State Council of Higher Education for Virginia (SCHEV).

Master of Science, Defense and Strategic Studies

Department of Defense and Strategic Studies

9302 Lee Hwy, Suite 760, Phone 703-218-3565

dss1@missouristate.edu (<mailto:dss1@missouristate.edu>)

Program description

The primary objective of the Department of Defense and Strategic Studies program is to provide professional, graduate level academic education and training for students planning careers in the fields of national security policy, international security affairs, defense analysis, arms control, and education. In essence, this is a graduate

international studies program with emphasis on security problems, strategic interests, and U.S. policy and policy-making. It is a program in public affairs.

Option areas

The Defense and Strategic Studies program offers two options:

- Defense and Strategic Studies/General (DSS/General)
- Defense and Strategic Studies/Weapons of Mass Destruction Studies (DSS/WMD)

Retention requirements

To remain in the program, the student must maintain, by the completion of the second semester, a minimum GPA of 3.00 in DSS courses and in all graduate work, and make satisfactory progress toward the MS degree.

Entrance requirements

Admission to the program requires a 2.75 GPA on the last 60 hours, a satisfactory Graduate Record Examination score (e.g., 290 or higher combined score on the verbal and quantitative), and letters of recommendation from undergraduate faculty or professionals acquainted with the students academic work or research and analytical skills. A relatively low GRE score may be compensated by an impressive undergraduate GPA and strong letters of recommendation.

Demonstrated graduate-level performance through a minimum of nine hours may compensate for GRE or undergraduate GPA weaknesses.

Department of Defense (DOD) civilian and uniformed applicants for the National Defense University Fellowship (NDU) pursue a different and separate application process that is completed in conjunction with DOD and the NDU.

Degree requirements (36 hours)

Core Requirements. All students will take two core courses: Seminar on Nuclear Strategy and Arms Control, DSS 601 (3); and Seminar on International Security Affairs, DSS 632 (3). A minimum of 30 additional seminar hours would be selected by the student from the other DSS courses offered.

For the DSS/General option, the full array of elective courses is available.

For the DSS/WMD option, electives from the DSS course offerings that focus on WMD topics are required. See Countering Weapons of Mass Destruction (CWMD) Graduate Certificate.

Research. A student will be required to complete either the Thesis option or the Non-thesis option.

- **Thesis Option.** Completion of a satisfactory thesis in the candidate's discipline. Thesis credit shall be no more than 3 semester hours of the minimum 36 hours required for a master's degree. If the student fails to complete the thesis during the semester in which they are first enrolled in [DSS 799](#), they must enroll in [DSS 794](#), Active in Research, each semester until the thesis is finished.

For the DSS/WMD option, the thesis topic must focus on an approved WMD subject.

- **Non-Thesis Option.** A comprehensive examination covering the DSS core field of study must be passed, and a research paper is required as part of the non-thesis exam. Students must be registered for a course in order to complete the non-thesis oral exam. [DSS 794](#) or [DSS 796](#) is recommended.

For the DSS/WMD option, the non-thesis research paper and oral exam must focus on an approved WMD subject.



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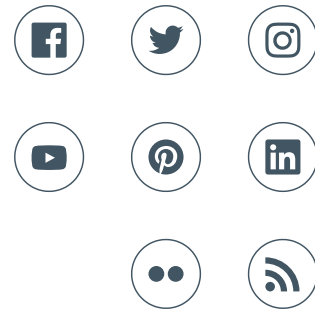
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Countering Weapons of Mass Destruction (CWMD)



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Graduate programs

Certificate in Countering Weapons of Mass Destruction (CWMD)

This program operates in Fairfax, Virginia, and is certified by the State Council of Higher Education for Virginia (SCHEV).

Program description

The Department of Defense and Strategic Studies offers a Graduate Certificate in Countering Weapons of Mass Destruction (CWMD) designed for but not limited to, mid-career professionals who are enrolled as NDU Fellows. The Graduate Certificate in Countering Weapons of Mass Destruction (CWMD) is intended for those who have a defined but compressed period of time for their education, yet desire advanced study of major defense and strategic issues to further their career. Prospective students may enroll in the fall, spring, or summer semester.

Once admitted, they must complete 15 credit hours selected from the list below in order to receive the Certificate. Students may attend full-time (3 seminars per semester) or part-time (1 or 2 seminars per semester).

Entrance requirements

The candidate must have a bachelor's degree and be admitted to the Missouri State University Graduate CWMD Certificate Program.


Coursework to total 15 hours

- [DSS 601](#) Seminar on Nuclear Strategy and Arms Control
- [DSS 723](#) Counterproliferation
- [DSS 725](#) Instruments of State Power
- **or**
- [DSS 722](#) Emerging Strategic Challenges
- [DSS 727](#) Chemical and Biological Warfare
- **or**
- [DSS 737](#) Advanced Chemical and Biological Warfare
- [DSS 798](#) Seminar on Contemporary Defense Issues: CWMD Graduate Fellows Colloquium (for NDU Fellows only)
- **or**
- [DSS 710](#) Seminar on International Terrorism and Security (for all other CWMD Certificate students)





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Graduate Catalog

Defense and Strategic Studies Certificate



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Graduate programs

Certificate in Defense and Strategic Studies

This program operates in Fairfax, Virginia, and is certified by the State Council of Higher Education for Virginia (SCHEV).

Program description

The Department of Defense and Strategic Studies offers a Graduate Certificate in Defense and Strategic Studies designed for mid-career professionals. The Certificate in Defense and Strategic Studies is intended for those already employed in the national security field, yet desire advanced study of major defense and strategic issues to further their career. Prospective students may enroll in the fall, spring, or summer semester. Once admitted, they must complete 9 credit hours selected from the course list in order to receive the Certificate. Students may attend full-time (3 seminars per semester) or part-time (1 or 2 seminars per semester).

Entrance requirements

The candidate must have a bachelor's degree and be admitted to the certificate program.

Coursework to total 9 hours

- [DSS 601](#) Seminar on Nuclear Strategy and Arms Control
- [DSS 630](#) International Law and Global Security
- [DSS 631](#) International Negotiations
- [DSS 632](#) Seminar on International Security Affairs
- [DSS 633](#) Analysis of International Security Politics
- [DSS 634](#) The Geopolitics of Conflict and Accommodation
- [DSS 700](#) Strategy and U.S. Defense Policy
- [DSS 702](#) Seminar on Regional Security Problems
- [DSS 703](#) Science, Technology, and Defense Policy
- [DSS 704](#) Arms Control: Theory and Practice
- [DSS 705](#) NATO Security Issues
- [DSS 706](#) Soviet and Russian Military Strategy
- [DSS 707](#) Congress, National Security, and WMD
- [DSS 708](#) Seminar on Contemporary Security Issues in the Former USSR
- [DSS 709](#) Seminar on Space Policy and Security
- [DSS 710](#) Seminar on International Terrorism and Security
- [DSS 711](#) The rise of the United States to Preeminence
- [DSS 712](#) American National Security Policy
- [DSS 713](#) Intelligence, Counterintelligence, and Covert Action
- [DSS 714](#) Seminar on Strategic Thought
- [DSS 715](#) Grand Strategy
- [DSS 716](#) Understanding Military Operations
- [DSS 717](#) Small Wars, Imperial Conflicts, & Guerrilla Warfare
- [DSS 718](#) Causes of War
- [DSS 719](#) Strategic Culture
- [DSS 720](#) Internship Training in DSS Policy
- [DSS 721](#) Missile Defense, Proliferation and Contemporary Warfare
- [DSS 722](#) Emerging Strategic Challenges
- [DSS 723](#) Counterproliferation
- [DSS 724](#) Leadership in National Security Policy
- [DSS 725](#) Seminar on Instruments of State Power
- [DSS 726](#) Chinese Military Power
- [DSS 727](#) Chemical and Biological Warfare: Global and Community Perspectives
- [DSS 728](#) Terrorism: Advanced Research Topics
- [DSS 737](#) Advanced Studies in Chemical and Biological Warfare
- [DSS 740](#) Ethics of Weapons of Mass Destruction
- [DSS 796](#) Directed Reading and Research in Defense and Strategic Studies
- [DSS 797](#) Special Topics

GPA requirements

Students must have a B or better grade in each course.



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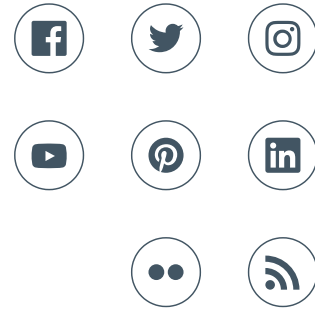
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Graduate College

Graduate Catalog

Department of Economics

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Secondary Education: Social Science Area of Emphasis \(MSEd\)](#)

Certificates

[Applied Economics](#) (Certificate)

General Information

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Graduate Economics Courses](#)

Contact

Department head

Kenneth H. Brown

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Strong Hall, Room 355

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(https://www.missouristate.edu/Econ/)





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Economics Graduate Faculty

Professors

Terrel Gallaway

David M. Mitchell

Mahua Barari Mitra

Reed N. Olsen

Emeritus professors

John Hoftyzer

Allan D. Stone

Elizabeth E. Topping




E. Dale Wasson

Thomas L. Wyrick



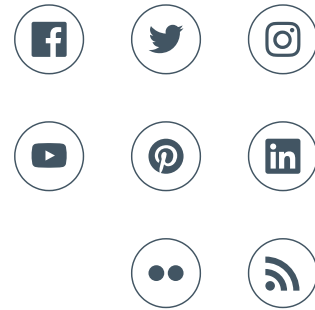


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Missouri State

Graduate College

Graduate Catalog

Economics Courses

Economics (ECO) courses

ECO 600 Fundamentals of Economics

Prerequisite: College of Business majors must receive permission from a director of a College of Business graduate program.

An accelerated course dealing with the fundamentals of micro- and macroeconomic theory, designed for graduate students who have not completed undergraduate principles of economics. This course will not be counted in the hours required for a College of Business graduate degree. May be taught concurrently with ECO 500. Cannot receive credit for both ECO 500 and ECO 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 604 Health Care Economics

Recommended Prerequisite: ECO 165. A basic study of the economics of the health care market. Microeconomic theory is applied to the analysis of health care issues. Attention will be given to empirical studies of health care economics. Identical with HCM 604. Cannot receive credit for both ECO 604 and HCM 604. May be taught concurrently with ECO 504. Cannot receive credit for both ECO 504 and ECO 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ECO 609 Applied Econometrics

Prerequisite: QBA 600 or equivalent.

Students will learn simple regression and multiple regression analysis. Additional topics include model building, cross sectional and time series analysis, as well as related topics. Students will be required to engage in original research using the principles taught in the class and to write their research into a research paper. May be taught concurrently with ECO 409. Cannot receive credit for both ECO 609 and ECO 409.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ECO 611 Intermediate Econometrics

Recommended Prerequisite: ECO 409. Examination of the principles of economic model construction and the econometric techniques used in estimation of behavioral relationships. May be taught concurrently with ECO 508. Cannot receive credit for both ECO 508 and ECO 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 615 Public Sector Economics

Recommended Prerequisite: ECO 155 and ECO 165; and completion of mathematics general education requirement. Allocation and distribution functions of the public sector of the economy; theories of taxation and public expenditure; shifting and incidences of taxes, local-state federal finance. May be taught concurrently with ECO 515. Cannot receive credit for both ECO 515 and ECO 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 620 History of Economic Thought

Recommended Prerequisite: ECO 155 and ECO 165. Development of economic theory. May be taught concurrently with ECO 520. Cannot receive credit for both ECO 520 and ECO 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 640 Economics of the Environment

Recommended Prerequisite: ECO 165. The course applies economic concepts and analysis to environmental issues such as pollution and natural resource management. Economic concepts and analysis used in the course will include supply and demand, cost benefit analysis, and the role of incentives. May be taught concurrently with ECO 540. Cannot receive credit for both ECO 540 and ECO 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ECO 650 Urban and Regional Economics

Recommended Prerequisite: ECO 165 or ECO 600. Study of economic forces determining the location of businesses and consumers, and the size, shape, and changes in market areas/cities/land use. Also, application of techniques of economic impact analysis to location decisions. May be taught concurrently with ECO 450. Cannot receive credit for both ECO 450 and ECO 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 656 Comparative Economics Systems

Prerequisite: ECO 155.

This course examines the differing institutions of national economies. Students examine economic systems in various countries, past and present. The focus is on strategies countries use to compete globally, promote economic growth and development, provide for the public good, and protect various national interests in an increasingly global environment. Students also examine the ongoing evolution economic systems around the world, especially with regard to balancing the roles played by markets and governments in the economy. May be taught concurrently with ECO 456. Cannot receive credit for both ECO 456 and ECO 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ECO 665 International Economics

Recommended Prerequisite: QBA 237 or equivalent. Introduction to the key concepts of international trade and finance with a focus on the fundamental theories of international economics. Topics include the gains from and the patterns of international trade, protectionism, exchange rate determination and government policy intervention. May be taught concurrently with ECO 565. Cannot receive credit for both ECO 665 and ECO 565.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ECO 673 Mathematical Methods for Economics I

Prerequisite: ECO 155 and ECO 165.

Recommended Prerequisite: ECO 365; and MTH 261 or MTH 285 or equivalent. Development and application of mathematical techniques to economics. May be taught concurrently with ECO 473. Cannot receive credit for both ECO 473 and ECO 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ECO 685 Mathematical Methods for Economics II

Recommended Prerequisite: ECO 365; and ECO 473 or familiarity with calculus-based optimization techniques. Unconstrained and constrained optimization; applications of the envelope theorem and duality to standard economic models, including utility maximization, profit maximization and expenditure/cost minimization. May be taught concurrently with ECO 585. Cannot receive credit for both ECO 585 and ECO 685.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 686 Business Cycles and Forecasting

Recommended Prerequisite: ECO 385. Fluctuations in the level of economic activity; an examination of the basic principles and techniques of economic forecasting. May be taught concurrently with ECO 586. Cannot receive credit for both ECO 586 and ECO 686.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 690 Seminar in Economics

Prerequisite: ECO 609 and ECO 710.

A seminar course requiring the completion of assignments which develop and refine economic research skills. A combination of papers and class presentations will be used to assess student achievement. Primarily for graduate students in their final year of study. May be taught concurrently with ECO 590. Cannot receive credit for both ECO 690 and ECO 590.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 699 Directed Research in Economics

Recommended Prerequisite: ECO 365; and ECO 385 or ECO 710; and ECO 409. The student is expected to conduct research in a selected topic in economics and to produce a written report. May be taught concurrently with ECO 599. Cannot receive credit for both ECO 599 and ECO 699.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

ECO 710 Micro- and Macroeconomic Analysis

Prerequisite: ECO 600 or equivalent.

An intermediate to advanced study of selected topics in microeconomic and macroeconomic analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

ECO 721 International Political Economy

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with PLS 721. Cannot receive credit for both ECO 721 and PLS 721.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

ECO 730 Money and Credit Markets

Recommended Prerequisite: ECO 305. Role performed by the Federal Reserve System, financial intermediaries, non-financial businesses, the public, and the foreign sector in developing and maintaining money and credit flows.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |



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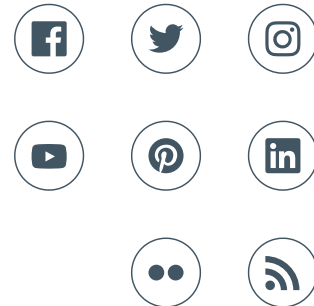
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Secondary Education: Social Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements

A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs

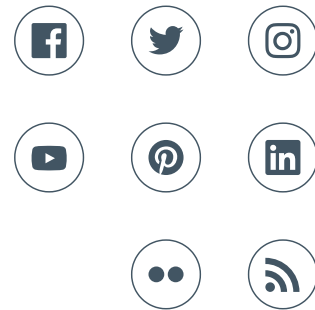


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Missouri State

Graduate College

Graduate Catalog

Applied Economics

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Certificate in Applied Economics

Ken Brown, Program Director

Strong Hall, Room 355; Phone 417-837-5347

KennethBrown@MissouriState.edu

Program description

This certificate is designed to give graduate students, who are interested in careers in government and business, a solid understanding of the quantitative and analytical skills that characterize the economic approach to policies and decisions.

Admission criteria

The certificate is open to all students who have a bachelor's degree from an accredited University. Prerequisites for individual courses must, of course, also be met.

Program requirements – 12 hours

| Course Code | Course Title | Credit Hours |
|-------------|--------------|--------------|
| | | |

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| ECO 609 | Applied Econometrics | 3 hrs |
| | Additional graduate-level Economics courses (600 or 700 level) | 9 hrs |




Completion requirements

Attain a GPA of 3.00 or higher for all courses used to fulfill the certificate requirements



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Missouri State


Graduate College

Graduate Catalog

Department of History

Programs


 Includes accelerated master's option

 Program can be completed online

Master's programs

[History \(MA\)](#)  

[Secondary Education: Social Science Area of Emphasis \(MSEd\)](#)

[Secondary Education: History Area of Emphasis \(MSEd\)](#) 

Certificates

[History for Teachers \(Certificate\)](#) 

Program Description

The program is designed to provide instruction in various subject areas of history, which can prepare the student for advanced study at the doctoral level or serve as a terminal degree. There are three program tracks: American Studies, Global Area Studies, and U.S and World.

Contact

Department head

Kathleen A. Kennedy

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Missouri State

Graduate College

Graduate Catalog

History Graduate Faculty

Distinguished Professor

John F. Chuchiak IV

David W. Gutzke

Associate professors

Angela Hornsby-Guthing

Bukola Adeyemi Oyeniya

Professors

Holly A. Baggett

Brooks Blevins

Thomas S. Dicke

David W. Gutzke

Kathleen Kennedy

Stephen L. McIntyre

F. Thornton Miller

Eric Nelson

Assistant professors

Jessica Elliott

Sarah Mellors

Michelle Morgan

Jeremy Neely

Sarah Panzer

Julia Troche

Senior instructor

Marlin Christopher Barber

Emeritus professors

Jamaine Abidogun

Meredith L. Adams

David B. Adams

Wayne C. Bartee

Dominic J. Capeci, Jr.

Robert Flanders

James N. Giglio

William E. Hammond

Duane G. Meyer


Worth R. Miller

William Piston


Michael M. Sheng




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Missouri State

Graduate College

Graduate Catalog

History Courses

History (HST) courses

HST 609 Indian History

History of Indian/White relations, federal Indian policy, and Indian accommodation to European introductions and eventual American dominance from the beginning of contact with Europeans to the present. May be taught concurrently with HST 509. Cannot receive credit for both HST 509 and HST 609.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HST 611 The Plains Indians

History and culture of Plains Indians from the pre-Columbian period to the end of the frontier era near the turn of the last century, including the impact of the European invasion. May be taught concurrently with HST 510. Cannot receive credit for both HST 510 and HST 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 614 17th-19th Century British Atlantic

Study of the British Empire in the 17th-19th century Atlantic World. Topics will include the Enlightenment; mercantilism and free-trade economics; migration, including the American Revolution Loyalist diaspora; the rise and fall of privateering, the Sugar Interest, and the Atlantic slave trade; slavery abolition and post-emancipation society in the West Indies; and Canadian confederation and home rule. May be taught concurrently with HST 514. Cannot receive credit for both HST 614 and HST 514.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 615 American Environmental History

Survey of humankind's relationship with nature and the environment in what is now the United States from pre-Columbian times to the present. Will especially focus on the impact of American development on the environment, the impact of the environment on the development of the United States, and the significance of the many different ideas and images concerning nature and the environment throughout American history. May be taught concurrently with HST 515. Cannot receive credit for both HST 515 and HST 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 616 American Religious History

Impact of religious thought and religious leaders on the history of the United States. May be taught concurrently with HST 516. Cannot receive credit for both HST 516 and HST 616.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 617 Legal and Constitutional History of the United States

The origins of American constitutionalism, The Philadelphia Convention, the historical context of the changes in the law, in the Constitution, and in the courts since 1789, and the development of the law profession and legal education. May be taught concurrently with HST 517. Cannot receive credit for both HST 517 and HST 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 618 Colonial America

Character, development and modification of the English Empire in North America. May be taught concurrently with HST 518. Cannot receive credit for both HST 518 and HST 618.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 619 The American Revolution

Origins of the Revolution, War of Independence, and the society, government, and economy of the Revolutionary and Confederation eras. May be taught concurrently with HST 519. Cannot receive credit for both HST 519 and HST 619.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 621 Early American Republic

Study of America, 1780s-1840s. Topics will include the development of constitutional government and federalism, mix of republican ideology and capitalism, causes and results of the War of 1812, first and second political party systems, social reform, and economic development. May be taught concurrently with HST 521. Cannot receive credit for both HST 521 and HST 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 623 Nineteenth Century America

Emphasis upon how the ideas and values that constituted the original meaning of America (namely, the republicanism of the American Revolution) were transformed in response to the Commercial and Industrial Revolutions of nineteenth century America, producing two major crises of the century: the Civil War and Populist Revolt. Included is the transition of the United States from an agrarian society of economically and politically independent farmers to a depersonalized industrial nation of largely dependent salaried employees and wage earners. May be taught concurrently with HST 523. Cannot receive credit for both HST 523 and HST 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 624 Civil War and Reconstruction

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis on differing historical interpretations of the causes of the war, the South's defeat, and the limits of Reconstruction. May be taught concurrently with HST 524. Cannot receive credit for both HST 524 and HST 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 625 Gilded Age/Progressive Era America, 1865-1920

Political, economic, social and intellectual development of the United States from the end of the Civil War through World War I and its aftermath. May be taught concurrently with HST 525. Cannot receive credit for both HST 525 and HST 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 628 U.S. History Since 1945

The Cold War, politics from Truman through the Reagan presidency; the social conflict of the 1960s; the civil rights movement; the Great Society; Vietnam; and the Reagan revolution. May be taught concurrently with HST 528. Cannot receive credit for both HST 528 and HST 628.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 629 Plagues and Pandemics

This is a history of disease, especially epidemic disease, in western and world history. The first half of the course looks at disease from ancient times to the last half of the 19th century. The second half concentrates on the period from about 1890 to the present. The focus in the first half is on how people understood disease and how this shaped treatments. The second half focuses on the fundamental changes to disease pools brought about by the creation of thick global networks, increasing urbanization, and dramatic population increases. In terms of treatment, the focus will shift toward the development of germ theory, public health, and scientific medicine. May be taught concurrently with HST 529. Cannot receive credit for both HST 629 and HST 529.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 631 African American Leaders and Movements

Study of African American leaders and movements in the United States, with emphasis on the period since World War II. May be taught concurrently with HST 531. Cannot receive credit for both HST 531 and HST 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 632 History of Ancient Egypt

History of ancient Egypt from its unification in approximately 3200 BCE through 500 CE. Foundation of this course is the political history of ancient Egypt, but special attention is paid to particular social history topics, such as the origins of monotheism during the Amarna Period, interactions with the outside world (especially with the ancient Near East, Nubia, and Classical Greece and Rome) and varied topics relating to daily life (e.g. early medicine and science, education, personal piety). A particular emphasis is placed on primary sources in translation and archaeological evidence. May be taught concurrently with HST 532. Cannot receive credit for both HST 632 and HST 532.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 636 History of Missouri

Economic, social, political and constitutional history of the state; role played by Missouri in national affairs. May be taught concurrently with HST 536. Cannot receive credit for both HST 536 and HST 636.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 637 History of the American West

Westward movement in America as history and myth; influence of the West on American society and character. May be taught concurrently with HST 537. Cannot receive credit for both HST 537 and HST 637.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 638 History of the American South, 1607-Present

Development of the South's social, economic and intellectual distinctiveness, with an emphasis on slavery, the plantation system, sectional conflict, modernization, Populism, disfranchisement, segregation, Dixie Demagogues and the Civil Rights Movement. May be taught concurrently with HST 538. Cannot receive credit for both HST 538 and HST 638.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 641 The Ancient Near East to 1200 BCE

Sumerians, Babylonians, Egyptians and Hittites; special reference to Hebrew scripture. Interrelationships among ancient civilizations; readings from original sources in English translation. May be taught concurrently with HST 541. Cannot receive credit for both HST 541 and HST 641.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HST 642 Ancient Israel

History of Israel to the end of the Persian period with special reference to the Canaanites, Mycenaeans, Philistines, Phoenicians, Assyrians, Chaldeans, and Persians. May be taught concurrently with HST 542. Cannot receive credit for both HST 542 and HST 642.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 643 History of the Arab-Israeli Conflict

The Arab-Israeli conflict in its historical and contemporary terms. The course covers three periods: The first period examines the roots of Arab and Jewish historical/biblical claims to Palestine before 1939. The second period from 1939 to 1982 analyzes the causes and effects of the Arab-Israeli wars. The third period from 1982 to

1991 covers the Israeli invasion of Lebanon, the Palestinian uprising (Intifada), and the peace process. May be taught concurrently with HST 543. Cannot receive credit for both HST 543 and HST 643.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 644 Women in Islam

This course examines the complexities of Middle Eastern culture through the lens of gender, focusing on women in Islamic society. Course will examine and critique current scholarly and journalistic literature (largely by Muslim women), films and documentaries, and current events in order to better understand current social, political, and economic developments in the Middle East. Special emphasis is on Egypt and Iran, which have enjoyed the lion's share of academic and legal attention. While the focus is on the modern Middle East, coverage also includes a historical review of scriptural roots and socio-political structures from the Middle Ages until today. The course has been designed as a quasi-seminar, where students meet in round-table fashion and discuss together readings that have been prepared in advance, in combination with lecture. May be taught concurrently with HST 544. Cannot receive credit for both HST 644 and HST 544.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 645 Medieval Europe

History of Medieval France, Germany, and the Papacy from the 5th Century to the 16th Century. May be taught concurrently with HST 545. Cannot receive credit for both HST 545 and HST 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HST 648 The Renaissance

Europe from about 1320 to about 1550, in the transition period from Medieval civilization to Modern Civilization; history of ideas and culture. May be taught concurrently with HST 548. Cannot receive credit for both HST 548 and HST 648.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 649 The Reformation

Early modern period of European history, 1500-1648. Religious controversy, religious wars, growth of the secular state. May be taught concurrently with HST 549. Cannot receive credit for both HST 549 and HST 649.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 651 The French Revolution and the Napoleonic Era

Causes and phases of the Revolution in France; the expansion of the Revolution; rise and downfall of Napoleon. May be taught concurrently with HST 551. Cannot receive credit for both HST 551 and HST 651.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 653 History of Europe in the 19th Century, 1815-1918

Forces unleashed by the French Revolution and other movements, including liberalism, reaction, nationalism, industrialization, and imperialism. May be taught concurrently with HST 553. Cannot receive credit for both HST 553 and HST 653.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 655 Europe in the 20th Century

History of Europe from the First World War. Topics will include the persistence of war and violence in contemporary European history, the evolution of the state and economy during eras of crisis and growth, and the transformation of European society and culture across the 20th century. May be taught concurrently with HST 555. Cannot receive credit for both HST 655 and HST 555.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 659 Germany, 1815-Present

The unification process, the German Empire, Weimar Republic, Third Reich, Germany as a European Great Power. May be taught concurrently with HST 559. Cannot receive credit for both HST 559 and HST 659.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 663 History of Fascism

This course deals mainly with interwar fascist movements and regimes in Europe and examines such relevant questions as the intellectual origins of fascism; paramilitary violence after WWI; charismatic leadership; state terrorism; fascist art and propaganda; social policy; imperialism and war and genocide. It also examines the history of Right radical, fascist and post-fascist movement and regimes in Europe, Latin America (Argentina, Chile, Brazil and Peru), United States, South Africa, the Middle East (Egypt, Syria and Iraq) and Africa (Ghana, Nigeria, Congo, Uganda) after 1945. May be taught concurrently with HST 563. Cannot receive credit for both HST 663 and HST 563.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 664 History of the Holocaust

Envisioned as a multi-disciplinary class, this course examines the complex history of the Holocaust during the Second World War. It discusses such important topics as the life of Jewish communities in Germany and Eastern Europe before 1933; Jewish emancipation; the rise of political anti-Semitism; Hitler and the creation of the Third Reich; discrimination against racial outsiders and "asocials"; the life of Jews in Nazi Germany; the "twisted road to Auschwitz"; the historical debates on the origins of the genocide; the social and psychological make-up of the perpetrators; the role of bystanders both in Germany and other parts of Europe; Jewish resistance and finally the memory of the Holocaust in Germany, Israel, United States and Eastern Europe. May be taught concurrently with HST 564. Cannot receive credit for both HST 664 and HST 564.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 666 Victorian and Edwardian England

This course will examine the impact of industrialization; wealth, poverty and the rise of class; reform movements; origins of the welfare state; emergence of the Labour party, and the slow eclipse of aristocratic power and influence. May be taught concurrently with HST 566. Cannot receive credit for both HST 566 and HST 666.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 671 China in the Twentieth Century

An intensive study of the transformation of China from a Confucian, Feudal state to a Communist world power. May be taught concurrently with HST 571. Cannot receive credit for both HST 571 and HST 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 672 Gender and Sexuality in Modern East Asia

This course explores the formation, institutionalization, and ongoing negotiation of gendered discourses and practices in China, Japan, and Korea from the late imperial period until the present. Drawing on a range of sources, including literature, images, and films, students will analyze the ways in which changing conceptions of gender and sexuality have informed the legal system, medicine, political movements, and economic formations in East Asia, among others. May be taught concurrently with HST 572. Cannot receive credit for both HST 672 and HST 572.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 673 History and Archaeology of the Middle East

Archaeology as a tool for historical inquiry is the focus of this course. In this course students will become familiar with the problems and methods of the discipline as they related to the larger questions of Middle Eastern history, including migration and settlement, the impact of war, land use and ecological issues, religion and identity, transformations of the traditional Middle Eastern household, and the relations between local society and the state. Topics covered in lectures and students' projects include the use of textual sources, palaeography, and other methodological challenges; historic preservation and heritage management; legal issues and the politics of archaeology; and museum work. Case studies in the course chronologically range from ancient to Ottoman-era sites, but the focus of the course is the medieval era (Byzantine, Crusader, Islamic). A series of lectures, hands-on work with the Jordan study collection, and documentaries will expose the student to the wide range of disciplines pulled into the service of archaeology and different methodologies. Special emphasis is placed on current fieldwork at Tall Hisban in Jordan and the Northern Jordan Project. Enrollment in this course is strongly encouraged for students interested in joining the Jordan Archaeology Field School as Study Away in the summers. May be taught concurrently with HST 573. Cannot receive credit for both HST 673 and HST 573.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 674 Jordan Archaeology Study Away

Prerequisite: permission of instructor.

Recommended Prerequisite: HST 673. This course is a formal archaeological field school--with field, lab, and classroom components--held on-site in Jordan as an MSU Study Away Program in the summers. The field school provides hands-on training in archaeological excavation and post-season object analysis techniques; students will also participate in several projects related to site presentation, architectural preservation, and community outreach that are running concurrently with the project. The field school rotates between the Tall Hisban excavations and the Northern Jordan Project (NJP), held at each site in alternative summers. Excursions to sites of archaeological, historical, religious, and cultural interest are organized on weekends. Students attending the field school are strongly encouraged to take HST 673 beforehand. The program, depending on the research objectives that year, will run 3-6 weeks. May be taught concurrently with HST 574. Cannot receive credit for both HST 674 and HST 574.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Summer |

HST 682 Mexico from Colony to Nation

Mexican history from the colonial period to the Revolution of 1910. May be taught concurrently with HST 587. Cannot receive credit for both HST 587 and HST 682.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 688 Twentieth-Century Mexico

Mexico from the Revolution of 1910 to the present, emphasizing Mexico's influence upon the Cuban Nicaraguan and other revolutions; its role as a member of the Middle American Community and of Latin America at large. May be taught concurrently with HST 588. Cannot receive credit for both HST 588 and HST 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 697 Topics in History

The topics studied will change from term to term depending on the interests of professors and students. May be repeated as topics change. Variable Content Course. May be taught concurrently with HST 597. Cannot receive credit for both HST 597 and HST 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

HST 698 Internship in Public History

Prerequisite: permission of department head.

Supervised and approved work in a public or private agency which manages a museum, archive, or historic sites. One credit hour is awarded for each 40 hours of service. May be repeated for credit but only 3 hours may be counted towards the MA major in History. May be taught concurrently with HST 599. Cannot receive credit for both HST 599 and HST 698.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

HST 701 Historiography and Historical Method

Various philosophies of history and theories concerning method, purpose and meaning of history; problems of research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

HST 702 Secondary School Curriculum for the Social Studies

Foundation course in the development and organization of the secondary school curriculum with an emphasis toward issues within social studies curriculum. This course meets the MSED degree requirements for social studies or history majors only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 710 Ancient History Research Seminar

Prerequisite: HST 701.

A seminar in ancient history, providing a study in depth of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 720 American History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in American History for the graduate student. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 724 American Empire Readings Seminar

Recommended Prerequisite: HST 701. This readings course introduces the graduate student to the history of American Empire, examining the ideological, political, economic, and social aspects of American expansion from colonial times to the present. The course also explores how diverse groups participated in and reacted to expansion, including the roles of race, gender, class, and religion.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 725 The Upland South Readings Seminar

Recommended Prerequisite: HST 701. Readings in the history of the Upland South (the Ozarks and Appalachia) for the graduate student.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 730 American History Research Seminar

Prerequisite: HST 701.

In-depth study of a chosen topic as well as the historiography of the topic for graduate students.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 740 European History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in European history for the graduate student. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 750 European History Research Seminar

Prerequisite: HST 701.

In-depth study of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated for credit with department consent.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 760 Latin American History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Iberian and Latin American history for the graduate student. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 770 Ancient Near East History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in Ancient Near East history for graduate student. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 775 Middle East History Readings Seminar

Recommended Prerequisite: HST 701. This proseminar in the Middle East introduces students to the historiography of the medieval Middle East (defined as the Arab heartland, Persia, and Anatolia), familiarizing them with the range of primary and secondary sources available for study, methodological approaches to using them, and the most important debates in modern scholarship generated by them. Through seminar discussions and debates based on intensive reading, students learn and practice historical method, tailored to this field. Among the topics covered in this course are the nature (and pitfalls) of medieval Arabic texts; how archives are created; the development of medieval Islamic historiography by contemporary Muslim and modern historians; the problematic of medieval political theory in the Arab, Persian, and Turkish worlds; the development of classical Islamic institutions; alternative state forms and how they developed; the impact of developments in the Middle East for world history; and the transition in this region to the modern era.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 780 World History Research Seminar

Prerequisite: HST 701.

In-depth study, in African, East Asian, Latin American, or Middle Eastern history, of a chosen topic as well as the historiography of the topic for the graduate student. May be repeated up to 6 hours for credit with departmental consent.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

HST 783 Women's History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to women's history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 784 The American Revolution Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the American Revolution, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 785 The Civil War in Missouri Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to the Civil War in Missouri, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 786 American Social History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American social history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 787 American Education Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources relating to American education, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing, and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 790 World History Readings Seminar

Recommended Prerequisite: HST 701. Readings in chosen periods and topics in world history, comparative history, or a study involving at least two global areas such as diaspora studies. May be repeated up to 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 792 World History Primary Source Seminar

Recommended Prerequisite: HST 701. Students will study seminal primary and secondary sources related to world history, discussing and analyzing their content, origins, and context in order to understand their application to the research, writing and teaching of history.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HST 796 Readings in History

Prerequisite: permission of supervising professor and permission of department head.

Arranged program of readings for the individual student directed by a professor of the graduate faculty. May be repeated once for credit.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

HST 799 Thesis

Prerequisite: permission of Director of History Graduate Program.

Independent research and study connected with preparation of thesis.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |




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Master of Arts, History

Djene Bajalan, Graduate Director

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[HistoryGraduateAdvisor@missouristate.edu](mailto:FTMiller@missouristate.edu) (mailto:FTMiller@missouristate.edu)

Sarah Panzer, Co-Graduate Director

Strong Hall, Room 429; Phone 417-836-5099

[HistoryGraduateAdvisor@missouristate.edu](mailto:FTMiller@missouristate.edu) (mailto:FTMiller@missouristate.edu)

Program description

The program is designed to provide instruction in various subject areas of history, which can prepare the student for advanced study at the doctoral level or serve as a terminal degree. There are three program tracks: American Studies, Global Area Studies, and U.S and World.

Entrance requirements

1. All applicants must apply via the GradCAS system.
2. Applicants must possess an undergraduate degree and submit the relevant transcripts to the GradCAS system. For the purpose of the application process, applicants may submit unofficial copies to GradCAS. However, successful applicants will be required to submit official transcripts to the Graduate College. If the applicant has credits from multiple institutions, the applicant must submit documentation for all the institutions attended. Applicants with a teaching certificate in social studies from a U.S. State or Territory should also submit a copy of their certification.
3. Applicants must have three letters of recommendation. While academic references are preferred, applicants may also submit professional references, especially if the applicant is applying after a significant hiatus in their studies. Recommendations must be submitted via the GradCAS system.
4. Applicants should submit a writing sample of approximately 2,000 words. It is recommended, although not required, that this writing sample is a piece of academic writing (preferably from the discipline of history), such as an essay or an excerpt from a longer work (such as a capstone project or thesis). Writing samples must be submitted via GradCAS system.
5. Applicants must meet the minimum GPA of the Graduate College (2.75 on a 4.00 scale) to be considered for admission. Meeting the minimum standards is required for admittance but does not guarantee admission. Candidates with a GPA of 3.00 and above are generally preferred.
6. Applicants with 24 undergraduate hours in history are preferred. An accepted student may make up a deficiency with additional courses in history, though these courses may not be counted toward the 30 semester hour total requirement for the master's degree. Admission will also depend on the quality of the previous academic record.

For full consideration, complete applications must be received by March 1 for summer or fall admission and October 1 for spring admission. Applications received after the deadline will be considered dependent on course availability.

Summary of Application Materials:

- Transcripts
- Three references
- Writing sample
- Evidence of Teaching Certification (if applicable)

All applicants **MUST** ensure that their applications, as submitted to the GradCAS system, are complete in order to be considered for admission.

The GRE examination is **NOT** required for entry into this program.

Accelerated Master's Degree option

Eligible history majors may apply for preliminary acceptance into the History MA program after admission requirements for the accelerated master's option have been satisfied. Once accepted, students will be able to take up to 9 hours of graduate-level history courses that apply to both their undergraduate and graduate programs. Once accepted, students can take HST 701, Historiography, which will count toward both degrees and will meet the HST 390, Historiography, requirements for a history major. This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in five years (10 semesters and a summer). Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated master's program and receive prior approval from the history department head, history graduate director and the dean of the Graduate College.

Admission Requirements for the Accelerated Master's Degree Option

1. Junior standing, with an overall GPA of 3.25.
2. Major in History, and completed a minimum of 15 hours in history, including at least one course at the 300-level or higher, with a GPA in the major of 3.40.
3. Recommendation by a faculty member in the History Department

Total hours for MA degree - 30

American Studies Track

1. 3 hours - [HST 701](#) Historiography and Historical Methods
2. 3 hours - Required Research Seminar: currently [HST 730](#)
3. 3 hours - Primary Source Seminar: currently [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#), [HST 787](#)
4. Research Requirement
 - a. Thesis option – 21 hours. Research requirement is fulfilled by the completion and successful defense of a masters thesis.
 - i. 6 hours [HST 799](#)
 - ii. 6 hours American History Courses (600 or 700-level)
 - iii. 9 hours Non-History Courses in Related Disciplines (as approved by advisor)
 - b. Non-thesis Option – 21 hours. Research requirement is fulfilled by completing with a minimum grade of B one readings seminar, one research seminar and one primary source seminar. These courses can double count to fulfill requirements 2 and 3 in this track.
 - i. 3 hours – 1 additional Primary Source Seminar beyond the one taken to meet requirement 3 in this study track: choose from [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#), [HST 787](#)
 - ii. 9 hours American History courses including [HST 720](#) and [725](#) (or other 600 or 700-level courses approved by advisor)
 - iii. 9 hours Non-History Courses in Related Disciplines (as approved by advisor)

Global Area Studies Track

1. 3 hours - [HST 701](#) Historiography and Historical Methods
2. 3 hours - Required Research Seminar: currently [HST 780](#)
3. 3 hours - Primary Course Seminar: currently [HST 792](#)
4. 3 hours - U.S. in the world or U.S foreign relations or recent history of the U.S. course: Choose from [HST 628](#), [HST 631](#) or with the consent of the candidate's advisory committee [HST 720](#), [HST 730](#), [HST 782](#), or [HST 786](#).
5. 9 hours - Emphasis Area Courses. An emphasis of 9 hours including a readings seminar in an area of study such as Africa, Asia, Europe, Latin America, or the Middle East from the following courses: [HST 641](#), [HST 642](#), [HST 643](#), [HST 644](#), [HST 645](#), [HST 648](#), [HST 649](#), [HST 651](#), [HST 653](#), [HST 659](#), [HST 663](#), [HST 664](#), [HST 666](#), [HST 671](#), [HST 673](#), [HST 674](#), [HST 682](#), [HST 688](#), [HST 710](#), [HST 740](#), [HST 750](#), [HST 760](#), [HST 770](#), [HST 775](#)
6. Research Requirement
 - a. Thesis option – 9 hours. Research requirement is fulfilled by the completion and successful defense of a masters thesis.
 - i. 6 hours [HST 799](#)
 - ii. 3 hours Readings Seminar: currently [HST 740](#), [HST 760](#), [HST 770](#), [HST 775](#)

- b. Non-thesis Option 9 hours. Research requirement is fulfilled by completing with a minimum grade of B one readings seminar, one research seminar and one primary source seminar. These courses can double count to fulfill requirements 2 and 3 in this track.
- i. 6 hours - Readings Seminar: currently [HST 740](#), [HST 760](#), [HST 770](#), [HST 775](#)
 - ii. 3 hours - Research Seminar in non-U.S. history: currently [HST 710](#), [HST 750](#) or [HST 780](#)

U.S. and World Track

1. 3 hours - [HST 701](#) Historiography and Historical Method
2. 3 hours - Required Research Seminar: Choose from [HST 710](#), [HST 730](#), [HST 750](#), [HST 780](#).
3. 3 hours – Required Primary Source Seminar: Choose from [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#), [HST 787](#) or [HST 792](#).
4. Research Requirement
 - a. Thesis option – 21 hours. Research requirement is fulfilled by the completion and successful defense of a masters thesis.
 - i. 6 hours [HST 799](#)
 - ii. 6 or 9 hours – U.S. History Courses: [HST 609](#), [HST 611](#), [HST 615](#), [HST 616](#), [HST 617](#), [HST 618](#), [HST 619](#), [HST 621](#), [HST 623](#), [HST 624](#), [HST 625](#), [HST 628](#), [HST 631](#), [HST 636](#), [HST 637](#), [HST 638](#), [HST 698](#), [HST 720](#), [HST 725](#), [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#), [HST 787](#)
 - iii. 6 or 9 hours – Non-U.S. History Courses: [HST 641](#), [HST 642](#), [HST 643](#), [HST 644](#), [HST 645](#), [HST 648](#), [HST 649](#), [HST 651](#), [HST 653](#), [HST 659](#), [HST 663](#), [HST 664](#), [HST 666](#), [HST 671](#), [HST 673](#), [HST 674](#), [HST 682](#), [HST 688](#), [HST 740](#), [HST 760](#), [HST 770](#), [HST 775](#), [HST 790](#), [HST 792](#)
 - b. Non-thesis Option – 21 hours. Research requirement is fulfilled by completing with a minimum grade of B one readings seminar, one research seminar and one primary source seminar. These courses can double count to fulfill requirements 2 and 3 in this track.
 - i. 6 hours – advisor approved courses.
 - ii. 6 or 9 - U.S. History Courses: [HST 609](#), [HST 611](#), [HST 615](#), [HST 616](#), [HST 617](#), [HST 618](#), [HST 619](#), [HST 621](#), [HST 623](#), [HST 624](#), [HST 625](#), [HST 628](#), [HST 631](#), [HST 636](#), [HST 637](#), [HST 638](#), [HST 698](#), [HST 720](#), [HST 725](#), [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#), [HST 787](#)
 - iii. 6 or 9 - Non-U.S. History Courses: [HST 641](#), [HST 642](#), [HST 643](#), [HST 644](#), [HST 645](#), [HST 648](#), [HST 649](#), [HST 651](#), [HST 653](#), [HST 659](#), [HST 663](#), [HST 664](#), [HST 666](#), [HST 671](#), [HST 673](#), [HST 674](#), [HST 682](#), [HST 688](#), [HST 740](#), [HST 760](#), [HST 770](#), [HST 775](#), [HST 790](#), [HST 792](#)

Secondary Education sub-track

In-service teachers may take the secondary education sub-track, which includes nine hours of coursework in education-related topics. This sub-track may be taken in conjunction with any of the tracks within the Master of Arts in History program. It is designed to supplement your history courses and enhance your development as an educator.

The following courses are included within the sub-track:

1. [HST 702](#), Secondary School Curriculum for the Social Studies
2. [SFR 750](#), Philosophies of Education **OR** [PSY 705](#), Psychology of Adolescence
3. Other education courses approved by the student's graduate committee.

The sub-track consists of 9 hours of the 30 hour minimum requirements for completion of the MA in History.


Comprehensive examination

A comprehensive examination must be passed before the degree will be granted. For non-thesis students, this will consist of a set of written examinations. For students who complete a thesis, this will consist of a set of written examinations and an oral examination.





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Secondary Education: History Area of Emphasis



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Master of Science in Education, Secondary Education: History Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education](#) (</Catalog/prog-secondary-education.htm>).

Prerequisite History requirements

A minimum of 24 undergraduate hours in history.

History requirements

1. Elect one course from [HST 720](#), [740](#), [760](#), and [770](#) - 3 hrs
2. Additional course work in history - 12 hrs

Total - 15 hrs

Accelerated Master's Degree Option

Eligible undergraduate BEd majors in History may apply for early admission to the Master of Science in Education in History. Once accepted for early admission, students will be able to take up to six (6) hours of history courses at the 600- or 700-level that apply to both their undergraduate and graduate programs. Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated master's program option AND receive prior approval from the History Department Head, History MEd Program Coordinator and the Graduate College (on a Mixed Credit form). The student must complete their BEd History program and receive Missouri certification in Social Studies (9-12) to continue in the MEd History program beyond the six (6) hours earned through the accelerated master's program option.


Accelerated Admission Requirements

1. Junior standing, with an overall GPA of 3.25.
2. Major in BEd History, having completed fifteen (15) hours in the department with a GPA in the major of 3.4.
3. Recommendation by a faculty member in the History Department.





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Secondary Education: Social Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements

A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs

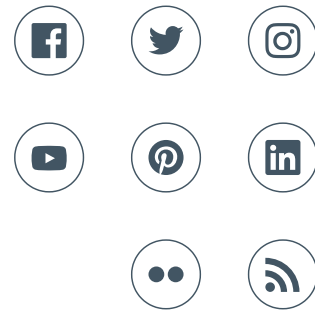


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History for Teachers



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Certificate in History For Teachers

Djene Bajalan, Graduate Director

Strong Hall, Room 442; Phone 417-836-5913

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Sarah Panzer, Co-Graduate Director

Strong Hall, Room 429; Phone 417-836-5099

[HistoryGraduateAdvisor@missouristate.edu](mailto:FTMiller@missouristate.edu) (mailto:FTMiller@missouristate.edu)

Program description

The Department of History offers a 15-hour Graduate Certificate designed for in-service high school teachers. The certificate program will provide teachers with additional content training to assist them in furthering their career. There are three tracks designed to enhance their knowledge as U.S. or world history teachers.

Admission requirements

1. Applicants must have three letters of recommendation.
2. Applicants must either submit recent (within 5 years) Graduate Record Examination scores (on the general exam, the specific history subject exam not being required) or have a teaching certificate in social studies from a U.S. State or Territory. All applicants with a GPA below 3.00 on a 4.00 scale must submit recent GRE scores.
3. Applicants must have 24 undergraduate hours in history (or equivalent). A graduate student may make up a deficiency with additional courses in history, though such courses may not be counted toward the 30 semester hour total requirement for the master's degree. Admission will also depend on the quality of the previous academic record.

For full consideration, complete applications must be received by March 1 for summer or fall admission and October 1 for spring admission. Meeting the minimum standards of the Graduate College is required for admittance but does not guarantee admission. Applications received after the due date will be considered dependent on course availability.

Completion requirements

Students must have an overall GPA of 3.00 for completion of the certificate program.

Required courses

1. [HST 701](#) Historiography and Historical Methods
2. 12 hours in the U.S. History Track, World History Track, or Secondary Education Track

U.S. History Track:

1. [HST 720](#) American History Readings Seminar;
2. Primary Source Seminar in U.S. History (such as [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#) or [HST 787](#));
3. Two 600 or 700-level courses in U.S. History.

World History track:

1. Two Proseminars in non-U.S. History (such as [HST 740](#), [HST 760](#), [HST 770](#) or [HST 792](#)) including [HST 790](#) World History Readings Seminar;
2. Two 600 or 700-level courses in non-U.S. History (or proseminars or [HST 796](#) Readings Courses in non-U.S. History).

Secondary Education track:





1. [HST 702](#) Secondary School Curriculum for Social Studies;
2. Proseminar (in U.S. or non-U.S. History);
3. Graduate-level education course: [SFR 750](#) Philosophies in Education, [PSY 705](#) Psychology of Adolescence, or another 600- or 700 level education course approved by the student's graduate certificate advisor;
4. 600 or 700-level course in U.S. or non-U.S. History.



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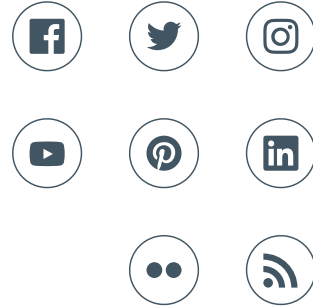
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Graduate College

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Department of Philosophy

Programs

 Includes accelerated master's option

 Program can be completed online

No graduate or certificate program is offered in the Philosophy Department.

General Information

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Philosophy \(PHI\)](#) courses

Contact

Department head

Elizabeth Foreman

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Strong Hall, Room 307

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Philosophy@missouristate.edu
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Professor

Pamela R. Sailors

Assistant professor

Elizabeth Foreman

Associate professor

Ralph Shain

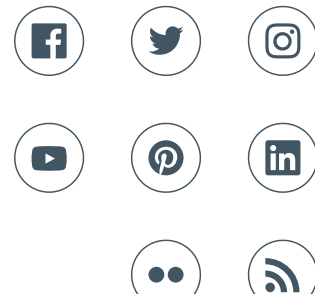


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https://graduate.missouristate.edu/Catalog/Philosophy_faculty.htm

Missouri State

Graduate College

Graduate Catalog

Philosophy Courses

Philosophy (PHI) courses

PHI 613 Bioethics

An introduction to central ethical questions that arise in the area of bioethics, and to the resources various ethical theories offer for resolving those questions. In addition to a brief overview of contemporary moral theory, the course will discuss issues such as euthanasia, informed consent, proxy decision making, experimental research on humans and health care allocation. Specific cases will be discussed and analyzed throughout the semester. May be taught concurrently with PHI 313. Cannot receive credit for both PHI 313 and PHI 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PHI 696 Selected Topics in Philosophy

Prerequisite: permission of department head.

Individual conference course for graduate students with specialized interests in particular areas of philosophy not covered in regular courses. May include independent research, progress reports and term papers. Enrollment requires advance agreement on topic. May be taught concurrently with PHI 596. Cannot receive credit for both PHI 596 and PHI 696.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-4 | | | Upon demand |




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Graduate College

Graduate Catalog

Department of Political Science

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Global Studies](#) (MGS) 

[Secondary Education: Social Science Area of Emphasis](#) (MSEd)

[Public Administration](#) (MPA) 

Courses are offered toward the option in Homeland Security within the [Professional Studies](#) (</Catalog/professionalstudies.htm>) program

Certificates

[Economic Development](#) (Certificate)

[Public Policy](#) (Certificate)

[Local Government Management](#) (Certificate)

[Public Safety](#) (Certificate)

[Public Management](#) (Certificate)

Courses are offered toward the certificate in [Homeland Security and Defense](#) (</Catalog/prog-homeland-security-and-defense.htm>)

Accreditation

- Network of Schools of Public Policy, Affairs, and Administration – Public Administration (MPA)

Contact

Department head

George E. Connor

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Strong Hall, Room 307

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Graduate Catalog

Political Science Graduate Faculty

Distinguished professor

Dennis V. Hickey

Professors

George E. Connor

Mark C. Ellickson

Gabriel Ondetti

Yuhua Qiao

David Romano

Patrick Scott

Associate professors

James B. Kaatz

David E. Johnson

Ashley Leinweber

Indira Palacios-Valladares

Kevin Pybas

Assistant professor

Sara Henary

Emeritus professors

Beat R. Kernen

Joel W. Paddock

Kant Patel

Robert M. Peace

Denny E. Pilant

Mark E. Rushefsky



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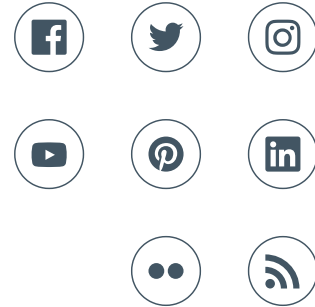
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Missouri State

Graduate College

Graduate Catalog

Political Science Courses

Political Science (PLS) courses

PLS 635 American Foreign Policy

The course explores the various governmental institutions and societal forces which shape American foreign policy. The major emphasis is on American foreign policy since World War Two. Current issues in American foreign policy are discussed in light of contemporary theoretical and methodological approaches. May be taught concurrently with PLS 535. Cannot receive credit for both PLS 535 and PLS 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 639 Playing Games with the World

A course designed to explore theories and paradigms of international relations via popular culture, simulations and games. May be taught concurrently with PLS 439. Cannot receive credit for both PLS 639 and PLS 439.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

PLS 642 Contemporary Political Ideologies

A systematic study of the major competing ideologies of the 19th and 20th Centuries, including conservatism, liberalism, nationalism, Marxism, democratic socialism, fascism and national socialism, and others. Special emphasis is placed on the historical sources philosophical foundations and argumentative structure of these influential ideologies. May be taught concurrently with PLS 565. Cannot receive credit for both PLS 565 and PLS 642.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

PLS 644 Government and Politics of the Middle East

Political systems, processes and problems of the Middle East, considered both regionally and in the perspective of separate nation-states, from the beginning of the modern period about 1800 to the present. May be taught concurrently with PLS 544. Cannot receive credit for both PLS 544 and PLS 644.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 645 Asian Politics

A comparative study of the political and economic systems of contemporary Asia with emphasis on Japan, Korea, mainland China and Taiwan. Ideologies and strategies pursued by selected Asian governments are covered. Includes an assessment of contemporary economic, political and security issues in the region. America's economic, political and strategic ties with the region are also explored. May be taught concurrently with PLS 545. Cannot receive credit for both PLS 545 and PLS 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 646 Political Violence and Terrorism

The systematic study of political violence in its different forms. The course content is structured along a continuum, ranging from small scale violence to mass violence-assassinations, terrorism by sub-national and transnational organizations, state terror and genocide. May be taught concurrently with PLS 546. Cannot receive credit for both PLS 546 and PLS 646.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 647 Politics of the European Union and Its Members

This course will focus on the historical evolution of the European Union (EU) since the 1950s, the ongoing integration process within the organization (vertical integration), and its enlargement beyond the present members (horizontal integration). It will also address the EU's position in global and regional politics, its links to the United States, and the development of international governmental organizations. May be taught concurrently with PLS 547. Cannot receive credit for both PLS 547 and PLS 647.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 648 Latin American Politics

Broad introduction to the politics of Latin America. Although it will offer substantial historical background, the emphasis of the course will be on recent decades. To familiarize the student with some of the major general issues facing Latin America while also giving them a taste of its tremendous diversity. The course is structured around four basic topics: economic development, democratization, guerrilla movements and revolution, and drug trafficking. In the process of discussing these topics, various countries will be explored such as Brazil, Chile, Colombia, Cuba, Guatemala, and Mexico. A recurring theme will be the relationship between the United States and Latin America. May be taught concurrently with PLS 548. Cannot receive credit for both PLS 548 and PLS 648.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 649 Nationalisms and Islamisms of the Middle East

This is an introductory course on selected ideologies of the Middle East in seminar form; it presupposes only basic knowledge of the region as well as previous exposure to comparative politics. The course surveys the historical and political trajectories of selected nationalisms and Islamist ideologies in the Middle East: Pan-Arabism, various Arab territorial nationalisms, Zionisms, Turkish nationalisms, Kurdish nationalisms and various strains of Islamism. May be taught concurrently with PLS 443. Cannot receive credit for both PLS 649 and PLS 443.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

PLS 650 Modern African Politics

A comparative study of the political and economic systems of contemporary Africa with emphasis on sub-Saharan Africa. Ideologies and strategies pursued by selected African governments are covered, including an assessment of contemporary economic, political, and strategic ties within the region and internationally. The class will emphasize such areas as Mauritania, Senegal, Kenya, Somalia, Nigeria, and South Africa. May be taught concurrently with PLS 550. Cannot receive credit for both PLS 550 and PLS 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 651 Administrative Law

A study of administrative agencies in their rule making and adjudicatory functions; administrative procedures including hearings and the judicial review thereof; legislative committee operations and their relation to the agencies. After several lecture type presentations by the instructor on the above topics, each student will be expected to present an oral and written review of some area of administrative law which requires further development through agency regulation and/or judicial review.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 669 Foreign Policies of the Middle Eastern States

This course focuses on the foreign policies of selected Middle Eastern states and non-state actors. The course will refer to various paradigms of international relations, so a previous course in international relations (especially an introductory or theory course) is highly recommended. Concerns of this course will include to what extent we can view the states of the Middle East of rational actors, the role of individual decision makers, unintended policy results, and the need to balance domestic and external policy imperatives. The central pedagogic concern revolves around understanding how and why various Middle Eastern state choose the policies they do. May be taught concurrently with PLS 569. Cannot receive credit for both PLS 569 and PLS 669.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

PLS 673 Policy Analysis

A study of the major qualitative and quantitative techniques in public policy analysis. The course will examine diverse processes of public policy formulation, and analyze various public policy alternatives. Each student will complete an empirical research project. May be taught concurrently with PLS 573. Cannot receive credit for both PLS 573 and PLS 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 676 Quantitative Methods of Political Science and Public Policy

Introduction to the use of standard computer programs (especially SPSS) for the analysis and interpretation of political and social data. Covers analysis of nominal and ordinal data, descriptive and inferential statistics, hypothesis testing, correlation, linear and multiple regression. There will be a critical review of the applications of these techniques to the analysis of political science and public policy research questions, including ethical issues associated with quantitative research. May be taught concurrently with PLS 576. Cannot receive credit for both PLS 576 and PLS 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PLS 685 Public Policy for a Global Environment

Course examines how environmental policy is made in the United States and the international community. The course covers the institutions and groups that participate in making environmental policy and the process by which it is made. Domestic and international issues and problems explored include clean air, clean water, pesticides, risk assessment and management, toxic and hazardous substances, public lands, the greenhouse effect, and stratospheric ozone depletion. May be taught concurrently with PLS 555. Cannot receive credit for both PLS 555 and PLS 685.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 705 Seminar in Comparative Politics

A survey of the main theoretical and methodological debates in the field of Comparative Politics. Topics may include the roots of authoritarianism and democracy, the effects of constitutional design, the causes of ethnic

conflict, the interaction between religion and political institutions, the origins of social policy regime variation, and the impact of natural resource wealth on the state, among others.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 713 Seminar in Foreign Policy Decisionmaking

An examination of the factors that shape foreign policy decisionmaking, especially as they have evolved in the 20th century in the United States. In addition to an examination of the governmental institutions and societal forces that influence policy, students will critically analyze decisionmaking models that have been developed to explain how and why foreign policy decisions are made.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 715 Comparative Public Administration

The course will review the literature on the study of comparative public administration. The body of the course will focus on substantive public management issues in a variety of countries. Students will be expected to understand the rationale for the subfield, its development, and develop the skills needed to conduct scientific analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 717 Multidisciplinary Approaches to Homeland Security

Examines the full spectrum of both homeland security and defense activities, the diverse responsibilities of the primary stakeholders, and current policies and practical efforts to develop and integrate homeland security and defense efforts nationwide.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 719 Strategic Planning and Organizational Imperatives in Homeland Security

The attainment of homeland security goals is dependent on comprehensive planning and organization to integrate and mobilize all levels of government and private sector responses. This course critically analyzes these efforts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 721 International Political Economy

A general introduction to the politics of international economic relations, with a special emphasis on the extent, causes, and consequences of globalization. Covers such topics as trade, investment, aid, global warming, international institutions, and the political roots of economic development. Identical with ECO 721. Cannot receive credit for both PLS 721 and ECO 721.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 732 International Relations in Theory and Practice

An examination of the principal paradigms and approaches in the study of international relations as they have evolved, particularly in the 20th century, and their usefulness for understanding the practice of global affairs. Students will familiarize themselves with both theoretical and substantive aspects of international relations and global affairs. Completion of a major research project focusing on an issue or region and analyzing it from a theoretical perspective is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 737 Seminar in International Organizations

A study of the historical development and theoretical foundations of international organizations. Readings and research will emphasize recent issues and developments in both regional and global aspects in the organization of the international system.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 752 Public Personnel Management

Intensive examination of the management of personnel focused directly on the public sector at the federal, state, and local levels. The course will explore the development, structure, and procedures of the public service. Issues of public personnel management to be examined include: perspectives on the public service, merit and patronage systems, labor relations, civil service reform, anti-discriminatory policies, and productivity and accountability.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 753 Management Techniques and Organizational Behavior

A core lecture course designed to familiarize the student with the development of managerial skills through MBO, decision making theory, strategy implementation, change theory and development administration, problem solving, coordination within the organization, communication techniques and effecting productivity. Emphasis will be placed upon the applicability of management and organizational theory to the public sector.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 754 Seminar in Health Policy

Politics of health policy formulation and planning. A study of participants in policy formulation, role of the different levels of government, issues and problems in health care planning, interrelationship of agencies involved, Medicare, Medicaid, national health insurance.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 756 Budgeting and Financial Management for State and Local Government

This course examines theories, practices, and issues of public budgeting and financial management. It covers a wide range of topics, including public budget institutions and techniques, revenue sources, tax strategies, revenue forecasts, public debt and bond issuance, intergovernmental fiscal relations, and basic categories of state and local expenditures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 757 Topics Seminar in Public Policy and Administration

Topics course. The specific topics will change from semester to semester. May be repeated as topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PLS 759 Seminar in Administrative Management and Organizational Theory

This course provides an overview of the major theories that explain the function and operation of organizations, with particular emphasis on the role and context of the public sector. Topics include systems theory, organizational culture, organizational design and structure, and the operation of politics and power within organizations.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 760 Management of Intergovernmental Relations

The course is designed to familiarize students with the nature and scope of intergovernmental relations and how they impact issues such as fiscal management, grantsmanship, public policy formulation, public program monitoring and administration.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 761 Management of Nonprofit Organizations

This course provides a general survey of nonprofit organizations. It will examine the historical, legal, ethical, and social environments in which nonprofit organizations operate. It will also discuss various aspects of nonprofit organization management, ranging from managing people and money to managing public relations and trust. The course will integrate theoretical and practical aspects of nonprofit management.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

PLS 762 Public Policy and Program Evaluation

The course is designed to familiarize students with the nature and role of evaluation in the policy process. Topics will include the various types of evaluation, evaluation methods, evaluability assessment, program monitoring, impact assessment, process assessment, utilization of evaluation findings, and the politics of evaluation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

PLS 763 The Policy Process

This course is designed to explore how public policy is made at all levels of government in the United States. Approximately two-thirds of the course will focus on the policy process; the remainder will concentrate on two or three major policy issues. Students will do an extended paper on a policy issue applying the concepts from the first part of the course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 771 Seminar in Public Administration

This course is designed as the foundation course for the Master of Public Administration program. Topics covered include the development of public administration as a field of inquiry, political, social, economic, and legal processes and institutions, the policy process, and values and ethics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 772 Introduction to Public Safety Services

This course introduces students to the current principles and practices of public safety services from the theoretical and practitioner's perspective. Course will cover how services are provided, management challenges, the levels of emergencies and disaster operations, preparedness, recovery and mitigation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLS 773 Hazard Analysis, Mitigation, and Preparedness

This course focuses on crucial actions taken in preparing the emergencies. All public safety agency work begins with a thorough analysis of the hazards faced whether they are from natural causes or manmade. The course will introduce students to various methods for conducting the hazard analysis regardless of whether for law enforcement, fire service, emergency medical services or 9-1-1. The class examines various methods to mitigate the occurrences of those incidents and how public safety agencies can prepare themselves and the public for when they occur.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 774 Municipal Planning and Zoning

The purpose of this course is for students to gain a working knowledge of the legal nature, the administration, and the politics of major land-use regulatory powers exercised by local government. Municipal planning and zoning controls emphasized in this course are zoning codes, subdivision review, site plan review, building codes, and the exercise of eminent domain. Course will assess how combinations of these practices may be utilized in comprehensive growth management strategies, as well as in the negotiations for, and the implementation of, agreements for individual planned unit developments and for annexations of land to municipalities. Course will also relate these powers to urban planning practices including strategic and comprehensive planning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 775 Economic Development for Local and State Governments

The purpose of this course is to familiarize students with the local, state and national contexts in which local economies operate to provide them with a background for developing successful economic strategies at the

local level. Upon completion of the course, students should have a better understanding of how these issues are being addressed in governments around Missouri and throughout the United States. The goal is to better prepare future managers for their first local government jobs that will often carry the title of administrator in a small, rural community.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

PLS 776 Local Public Service Delivery

This course prepares students to provide management and guidance to various local government services such as public works, police, fire, parks, utilities, and human services. It covers issues of governance which enable various government and non-for-profit groups to cooperate in the delivery of these services. The focus is on management in medium and small-sized municipalities in both rural and urban settings. Extensive use of guest lectures and site visits are essential components of this course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

PLS 777 Local Government and Politics and Administration

This course familiarizes students with a broad array of local government issues, structures, management concerns, and politics. Interwoven throughout the course is a discussion of the roles that professional administration and local politics play in everyday local government operations. The major focus will be on the decision making process of professional administrators as they attempt to bring both efficiency and effectiveness to local government.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

PLS 778 Ethics and Leadership in the Public Sector

This course examines the role and impact of leadership in public organizations, with particular focus on the ethical dimensions of leadership behavior. The course provides an overview of the knowledge, theory, and skills regarding leadership and professional ethics. Topics include charismatic and transformational leadership, leadership styles, the role of the leader in creating ethical climates and building effective ethical cultures, organizational change strategies, and motivation strategies. Also covered are the ethical codes, standards, and practices promulgated by the American Society for Public Administration (ASPA) and the International City Management Association (ICMA).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLS 780 Independent Study in Political Science

Prerequisite: permission of instructor.

Carefully planned independent study designed on an individual basis for the advanced student who wishes to investigate a well defined problem not dealt with adequately by standard courses. Normally, a student may take PLS 780 only once to fulfill the requirements of the non-thesis option or as part of the cognate field if pursuing the thesis option.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |

PLS 781 In-Service Training in Public Administration

Prerequisite: permission of Master of Public Administration Program Director.

Supervised field work in an approved local, state, or national governmental agency including preparation of an acceptable formal report.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PLS 782 Internship/Practicum in International Field

Prerequisite: permission of program director.

Supervised field work in a federal government agency, international governmental/non-governmental organization, multinational corporation, or equivalent. The course requirements include a formal report on the internship/practicum and evaluation by the supervisor.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

PLS 797 Special Topics in Global Affairs

Prerequisite: permission of instructor.

The specific topics will change from semester to semester, and will include subjects such as international humanitarian law, comparative foreign policy, global Islamic movements, and globalization. Variable content course. May be repeated as topics change.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PLS 799 Thesis





Prerequisite: permission of Master of Global Studies or Master of Public Administration Program Director and department head.

Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

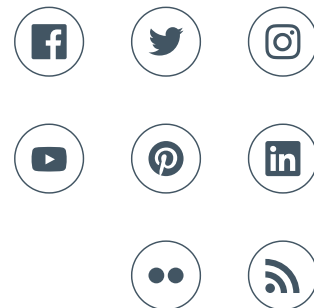


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Strong Hall, Room 320; Phone 417-836-5733

GabrielOndetti@MissouriState.edu

<http://polsci.missouristate.edu/mgs/>

Program description

The program is designed to meet growing societal, occupational, and student needs and demands for persons educated and knowledgeable in international affairs. It will help students to become professionally involved in an increasingly competitive and interdependent world in which the United States occupies a prominent position. The Master of Global Studies (MGS) will produce graduates who will be well trained in international affairs and administration and can work in the public or private sector. It is also designed to prepare its graduates to continue their graduate education at the doctoral level in political science, international relations, or other related fields.

Students with demonstrated academic competence who are interested in the field of global studies will be welcomed into the program regardless of undergraduate major.

Entrance requirements

1. Normally, applicants with a 3.00 GPA or above in their undergraduate degree from an accredited institution and a combined GRE score of not less than 290 on the verbal and quantitative sections will be admitted to the MGS program in good standing. A minimum score of 290 is required on the combined verbal and quantitative sections of the GRE, with a minimum of 150 in the verbal or quantitative section and a score of not less than 140 on the other. All students applying for admission must take the GRE before being admitted into the program.
2. Three strong letters from professors at the undergraduate level and/or persons well acquainted with the applicant's education and abilities will be admitted to the MGS program in good standing.
3. Applicants with an undergraduate GPA between 2.75 and 2.99 and/or a score of less than 290 on the GRE may be admitted to the program on a provisional basis. A personal interview may be requested.
4. Foreign students applying for admission to the MGS program who do not have an undergraduate degree from an American university must have completed the equivalent of an undergraduate degree at an accredited university. They must also demonstrate graduate-level proficiency in English by either having achieved a score of 550 on the paper-based, or a comparable score of 79 on the IBT or internet-based TOEFL, or by other equivalent means.

Prerequisite courses

The MGS program does not require any specific prerequisite courses. However, an applicant may be advised or required to take undergraduate prerequisite courses in areas pertinent to the MGS program. For example, an applicant with little or no statistical training will be required to take an undergraduate course in statistics, or a student who has little knowledge of global affairs may be advised to take an undergraduate course in international and/or comparative politics before enrolling in the respective graduate seminars in these two fields.

Graduate assistantships

All students applying for a graduate assistantship must have their GRE scores (verbal and quantitative) on file at the time of application. All graduate assistants in Political Science are required to take 9 hours of course work per semester.

Degree requirements (minimum of 36 hours)

1. Required Core:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PLS 676 | Quantitative Methods of Political Science & Public Policy | 3 hrs |
| PLS 705 | Seminar in Comparative Politics | 3 hrs |
| PLS 713 | Seminar in Foreign Policy Decisionmaking | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|--|---------------|
| PLS 721 | International Political Economy | 3 hrs |
| PLS 732 | International Relations in Theory and Practice | 3 hrs |
| PLS 737 | Seminar in International Organizations | 3 hrs |
| | Total | 18 hrs |

2. Research Project (3-6 hours). Students must complete an extensive research project. There are two options for doing so: a 3 hour Independent Study in Political Science project ([PLS 780](#) (https://www.missouristate.edu/registrar/catalog/courses_ps.htm#PLS780)) or a 6 hour masters thesis ([PLS 799](#) (https://www.missouristate.edu/registrar/catalog/courses_ps.htm#PLS799)). The thesis option is only open to students with a GPA of 3.70 or above.

3. Elective Courses (12-15 hours). Depending on whether a student is pursuing the thesis or the non-thesis option, the student must complete either 12 or 15 additional hours that reflect his/her specific interests within the program. While the expectation is that most of those courses will be in the Political Science department, with permission from the Program Director, a student may take certain graduate-level courses in other departments, including Criminology, Economics, Geography, History and Management. Students may also use their electives to complete a graduate certificate program, such as Homeland Security and Defense. Finally, opportunities are available to earn MGS credit through student abroad programs.

4. Foreign Language Requirement. Students who have not already completed two semesters of a foreign language as an undergraduate or do not already speak a second language must complete at least two semester of training in a single language. These courses do not count toward the 36 hours required for the degree.

5. Comprehensive Examination. Those students with a GPA below 3.70 must pass a comprehensive examination covering their coursework in the program, especially in the core courses.

Accelerated Master of Global Studies Option

Eligible Missouri State University majors in Global Studies, Political Science, and other relevant disciplines may apply for preliminary acceptance into the Master of Global Studies (MGS) program after admission requirements for the accelerated master's option have been satisfied. If accepted, approved graduate-level courses can be taken that will count for both undergraduate and graduate credit. This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. Contact the Department of Political Science for further information and guidelines.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the course toward the master's degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and the dean of the Graduate College. This is done with the completion of a Mixed Credit Form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Process for the Accelerated MGS Option:

Immediately prior to or during the junior year, the prospective student should discuss the possibility of participating in the Accelerated Master's Degree program with their undergraduate advisor, Director of the Global Studies program, and the Department Head of the Political Science Department. If the student's academic record and potential are judged strong, the Director recommends the student to the proposed Accelerated program for approval by the Department Head. Undergraduate students who enter the Accelerated Master's Degree program should have a sponsor, i.e., a PLS faculty member who will serve as a mentor to the student throughout the undergraduate and graduate programs.

Students admitted into the Accelerated Master's Degree Program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission (such as the Graduate Record Examination). Students should be awarded the bachelor's degree upon completion of a minimum of 125 hours of undergraduate course work and degree-specific requirements.

Admission Requirements for the Accelerated Global Studies Option:

1. Global Studies, political science and other undergraduate majors must have at least junior standing and a minimum of 60 credit hours.
2. Applicants must have a minimum 3.50 GPA in the major curriculum and a 3.00 overall GPA.
3. Students in the Accelerated Master's Degree Program must maintain a 3.50 GPA in their major and maintain a 3.00 overall GPA to remain in the program.
4. Transfer students will be allowed into the Accelerated Masters Degree Program. Transfer students must have a minimum of 30 graded hours of course work at Missouri State University before they can be accepted into the program.
5. A maximum of 12 credits of mixed credit courses may be applied toward completion of their undergraduate degree requirements. The following courses will be allowed as electives in the Global Studies program if they have been completed as graduate courses (only courses regularly offered are listed; when courses on demand are offered, a student may petition to count them as electives towards the accelerated program): the four courses counting towards the accelerated program must have four different course codes, including at least one PLS code:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| ECO 665 | International Economics | 3 hrs |
| FIN 682 | International Financial Management | 3 hrs |
| GRY 607 | Geography of Subsaharan Africa | 3 hrs |
| GRY 635 | Global Climate and Weather Cycles | 3 hrs |
| HST 665 | English Constitution, Courts and Common Law | 3 hrs |
| PLS 635 | American Foreign Policy | 3 hrs |
| PLS 642 | Contemporary Political Ideologies | 3 hrs |
| PLS 644 | Governments and Politics of the Middle East | 3 hrs |
| PLS 645 | Asian Politics | 3 hrs |


| | | |
|-------------------------|---|-------|
| PLS 647 | Politics of The European Union and Its Members | 3 hrs |
| PLS 648 | Latin America Politics | 3 hrs |
| PLS 650 | Modern African Politics | 3 hrs |
| PLS 676 | Quantitative Methods of Political Science and Public Policy | 3 hrs |
| PLS 705 | Seminar in Comparative Politics | 3 hrs |
| PLS 713 | Foreign Policy Decisionmaking | 3 hrs |
| PLS 721 | International Political Economy | 3 hrs |
| PLS 732 | International Relations in Theory and Practice | 3 hrs |
| PLS 737 | Seminar in International Organizations | 3 hrs |
| PLS 782 | Internship/Practicum in International Field | 3 hrs |




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Master of Public Administration

David E A Johnson, MPA Program Director

Strong Hall, Room 328; Phone 417-836-6956

[DavidEAJohnson@missouristate.edu](mailto:DavidEAJohnson@MissouriState.edu) (mailto:DavidEAJohnson@MissouriState.edu)

<http://politicalscience.missouristate.edu/mpa> (http://politicalscience.missouristate.edu/mpa)

Program description

The Master of Public Administration (MPA) program is a 36 credit hour program designed to prepare students for careers in public services and to provide professional development for administrators of public agencies and non-profit organizations. Our mission is to: (1) develop well-educated students for professional careers in public service; (2) prepare students to excel in public and non-profit governance through a curriculum focused on theoretical, practical, and analytical instruction; and (3) foster an environment that strengthens the profession of public administration. In conjunction with the University's state-wide mission in public affairs, our aim is to

produce graduates who are culturally competent, understand the importance of civic and community engagement, and value the role of ethical leadership in public service:

1. are culturally competent and understand the importance of civic engagement and the role of ethical leadership in public service;
2. have an understanding of the role that public service plays in democratic society; and
3. are prepared to pursue advanced study in public administration.

All students with demonstrated academic competence, interested in pursuing a career in public service, and who meet the entrance requirements of the MPA program will be welcomed into the program. The program is designed to give students the opportunity to pursue specializations that supplement a solid core in public administration. These specializations are offered as certificates. The student can choose from one of the following areas: 1) public safety, 2) local government management, 3) public policy, 4) economic development. Students must complete both the core and one certificate to earn the MPA.

Entrance requirements

1. 3.00 GPA (on a 4.00 scale) in undergraduate degree from an accredited institution.
2. Three strong letters of recommendation from undergraduate professors and/or persons well acquainted with the applicant's education and abilities.
3. Applicants with a GPA between 2.75 and 2.99 may be admitted to the program on a provisional status at the discretion of the MPA director. A personal interview may be required.
4. Foreign students applying for admission to the MPA program who do not have an undergraduate degree from an American university must have completed the equivalent of an undergraduate degree at an accredited university. They must also demonstrate graduate-level proficiency in English by either having achieved a score of 550 on the paper-based, or a comparable score of 79 on the IBT or internet-based TOEFL, or by other equivalent means.

Graduate assistantships

All graduate assistants in Political Science are required to take 9 hours of course work per semester.

Advisement

1. The MPA director may waive the internship requirement for students who have appropriate and sufficient prior work experience in public or not-for-profit organizations. Students with prior work experience in the public or not-for-profit sector should submit a letter to the MPA director requesting a waiver in the internship requirement along with a copy of his/her resume. Students for whom an internship requirement is waived must still take a three hour course to substitute for the internship.
2. All MPA students in consultation with the MPA director will select an area of concentration (cognate field) within the MPA degree. Students shall take elective courses from the list of courses for the area of concentration he/she has selected. Exceptions may be granted at the discretion of the MPA director.
3. All MPA students should work closely with the MPA director in completing their required and elective courses, internship, Advisor Approved Program of Study, and comprehensive examination.
4. Students interested in pursuing a thesis option should establish a thesis committee consisting of three graduate faculty members and select one of the members to serve as chair of the thesis committee. The chair of the committee will guide the student through the entire thesis process.

Degree requirements (minimum of 36 hrs)

1. Required Core:

| Course Code | Course Title | Credit Hours |
|-------------------------|---|---------------|
| PLS 673 | Policy Analysis | 3 hrs |
| PLS 676 | Quantitative Methods of Political Science and Public Policy | 3 hrs |
| PLS 752 | Public Personnel Management | 3 hrs |
| PLS 753 | Management Techniques and Organizational Behavior | 3 hrs |
| PLS 756 | Budgeting and Financial Management for State and Local Government | 3 hrs |
| PLS 771 | Seminar in Public Administration | 3 hrs |
| PLS 778 | Ethics and Leadership in the Public Sector | 3 hrs |
| | Total Core | 21 hrs |

Note: If the student has taken a 500-level required course for undergraduate credit, he/she shall substitute a 600 or 700-level course selected with the approval of the advisor and the department for the course already taken.

2. **Internship:** ([PLS 781](#) In-Service Training in Public Administration). In-service training in an approved local, county, state, federal, non-profit or other approved agency (unless waived for candidate with adequate experience). **0-3 hrs**
3. **Research:**
 - a. *Non-thesis option.* Complete required core courses and up to 18 hours of courses in student's chosen area of concentration (see #4 below).
 - b. *Thesis option.* Complete required core courses, [PLS 799](#) Thesis (6 hours), and up to 12 hours of courses in student's chosen area of concentration (see #5 below).
4. **Comprehensive Examination.** The Director of the MPA Program will prepare and administer a written comprehensive examination covering the general field of public administration, reflected in the required core courses offered. All students except those who choose a thesis option and successfully complete a master's thesis will be required to take and pass a **written** comprehensive examination. Students who do not perform at satisfactory level on their comprehensive examination will be required to pass an oral examination.
5. **Areas of Concentration:** The MPA student will take the required courses in his/her area of concentration that will result in earning a certificate to compliment the core courses. They will also select other courses to fill out the elective requirements depending on whether the internship is waived. Certificate **12 hrs**

Local Government Management Certificate

Required Courses - 12 hours total

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 776 | Local Public Service Delivery | 3 hrs |
| PLS 777 | Local Government & Politics & Administration | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|-------------------------|---|--------------|
| PLS 760 | Management of Intergovernmental Relations | 3 hrs |
| PLS 774 | Municipal Planning and Zoning | 3 hrs |
| ACC 600 | Accounting Concepts for Managers | 3 hrs |

Public Policy certificate**Required Courses - 12 hours total**

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--------------------------------------|--------------|
| PLS 673 | Policy Analysis | 3 hrs |
| PLS 762 | Public Policy and Program Evaluation | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 685 | Public Policy for the Global Environment | 3 hrs |
| PLS 754 | Seminar in Health Policy | 3 hrs |
| ECO 615 | Public Sector Economics | 3 hrs |
| SWK 715 | Social Welfare Policy and Services | 3 hrs |

Public Safety certificate**Required Courses - 12 hours total**

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|--------------------------------|--|---------------------|
| <u>PLS 772</u> | Introduction to Public Safety Services | 3 hrs |
| <u>PLS 773</u> | Hazard Analysis, Mitigation and Preparedness | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|--------------------------------|--|---------------------|
| <u>PLS 719</u> | Strategic Planning & Organizational Imperatives in Homeland Security | 3 hrs |
| <u>PLS 717</u> | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| <u>GLG 647</u> | Water Resources | 3 hrs |
| <u>GRY 731</u> | Environmental Assessment | 3 hrs |
| <u>CRM 740</u> | Foundations of Homeland Defense and Security | 3 hrs |

Economic Development certificate**Required Courses - 12 hours total**

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PLS 775</u> | Economic Development for local and State Government | 3 hrs |
| <u>PLS 774</u> | Municipal Planning and Zoning | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|--------------------------------|---------------------------|---------------------|
| <u>MKT 772</u> | Marketing Management | 3 hrs |
| <u>ECO 600</u> | Fundamentals of Economics | 3 hrs |
| <u>PLN 671</u> | Land Use Planning | 3 hrs |

Accelerated Master of Public Administration option

Eligible Missouri State University majors in political science may apply for preliminary acceptance into the Master of Public Administration program after admission requirements for the accelerated master's option have been satisfied. If accepted, the undergraduate requirements for PLS 673 (Policy Analysis), PLS 676 (Quantitative Methods of Political Science and Public Policy), and PLS 781 (In-service Training in Public Administration) can be counted for both the undergraduate and graduate degrees.

In addition, PLS 771 (Seminar in Public Administration) can be taken during the student's senior year and can also count toward both degrees. This option gives exceptional undergraduate students the opportunity to complete their bachelor's and master's degrees in ten semesters and a summer. Contact the Director of the MPA Program for further information and guidelines.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the course toward the master's degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program director, department head of the undergraduate program, and the dean of the Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Process for the Accelerated MPA Option

Immediately prior to or during the junior year, the prospective student should discuss the possibility of participating in the Accelerated Master's Degree program with their undergraduate advisor and Department Head of the Political Science Department. If the student's academic record and potential are judged strong, the Head recommends the student to the proposed Accelerated MPA program. Undergraduate students who enter the Accelerated Master's Degree program should have a sponsor, i.e., a MPA faculty member who will serve as a mentor to the student throughout the undergraduate and graduate programs.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Students should be awarded the bachelor's degree upon completion of a minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.

To be admitted into the Master's of Public Administration program, you must meet specific requirements:

Admission requirements for the accelerated MPA option

1. Public administration and political science undergraduate students must have at least junior standing and a minimum of 60 credit hours.
 2. Applicants must have a minimum 3.50 GPA in the public administration or political science curriculum and 3.00 overall GPA.
 3. Students in the Accelerated Master's Degree Program must maintain a 3.50 GPA in the public administration and/or political science curriculums and maintain a 3.00 overall GPA to remain in the program.
 4. Transfer students will be allowed into the Accelerated Master's Degree Program. Transfer students must have a minimum of 30 graded hours of course work at Missouri State University before they can be accepted into the program.
 5. A maximum of 12 credits of accumulated graduate hours may be applied toward completion of their undergraduate degree requirements. The following courses will be allowed:
-





| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PLS 673 | Policy Analysis | 3 hrs |
| PLS 676 | Quantitative Methods of Political Science and Public Policy | 3 hrs |
| PLS 771 | Seminar in Public Administration | 3 hrs |
| PLS 781 | In-Service Training in Public Administration | 3 hrs |



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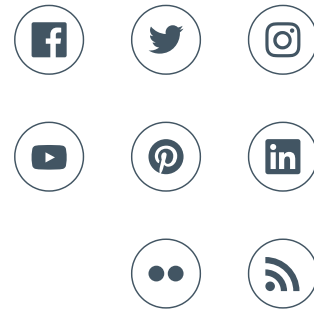
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Secondary Education: Social Science Area of Emphasis



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Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements

A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs


Total - 15 hrs




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Certificate in Economic Development

David E A Johnson, MPA Program Director

Strong Hall 328

417-836-6956

[DavidEAJohnson@missouristate.edu](mailto:DavidEAJohnson@MissouriState.edu) (mailto:DavidEAJohnson@MissouriState.edu)

[Master of Public Administration](https://politicalscience.missouristate.edu/MPA/default.htm) (https://politicalscience.missouristate.edu/MPA/default.htm)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Certificate in Economic Development provides a 12 hour graduate-level experience for people working or desiring to work in the field of economic development. This program provides a grounding in the theory and tools needed in economic development along with the opportunity to explore other policy areas that may suit their interests and career path.

The curriculum is structured around key policy and analysis involving economic development. Each course prepares students to master core issues, principles, and problem-solving approaches that can be applied to specific challenges confronting their jurisdictions or sponsoring organizations.

Admission criteria

Admission to the certificate program requires a bachelor's degree from a regionally accredited institution of higher education, a 3.00 overall grade point average, and three letters of recommendation. Admission is open to qualified persons without regard to age, physical disability, national origin, race, religion, or gender.

Selection is made based on prior academic performance, professional accomplishments, and other indicators of the ability to successfully pursue graduate education and a professional career in public management.

Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. The Director of the MPA program will define probationary conditions and convey those to the student.

Students enrolling in this certificate as a part of the MPA program must also apply for the certificate in addition to the MPA.

Required courses - 12 hours total

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|---|--------------|
| PLS 774 | Municipal Planning and Zoning | 3 hrs |
| PLS 775 | Economic Development for local and State Government | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|-------------------------|---------------------------|--------------|
| MKT 772 | Marketing Management | 3 hrs |
| ECO 600 | Fundamentals of Economics | 3 hrs |
| PLN 671 | Land Use Planning | 3 hrs |



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[Master of Public Administration](https://politicalscience.missouristate.edu/MPA/) (https://politicalscience.missouristate.edu/MPA/)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The certificate in government management provides a 12 hour graduate-level experience for people working or desiring to work in the field of local government management. This program provides a grounding in the theory and tools needed in local government management along with the opportunity to explore other policy areas that may suit their interests and career path.

The curriculum is structured around key policy and analysis involving government management. Each course prepares students to master core issues, principles, and problem-solving approaches that can be applied to specific challenges confronting their jurisdictions or sponsoring organizations.

Admission criteria

Admission to the certificate program requires a bachelor's degree from a regionally accredited institution of higher education, a 3.00 overall grade point average, and three letters of recommendation. Admission is open to qualified persons without regard to age, physical disability, national origin, race, religion, or gender.

Selection is made based on prior academic performance, professional accomplishments, and other indicators of the ability to successfully pursue graduate education and a professional career in public management.

Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. The Director of the MPA program will define probationary conditions and convey those to the student.

Students enrolling in this certificate as a part of the MPA program must also apply for the certificate in addition to the MPA.

Required courses - 12 hours total

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 776 | Local Public Service Delivery | 3 hrs |
| PLS 777 | Local Government & Politics & Administration | 3 hrs |

Elective courses - 6 hours

Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|-------------------------|---|--------------|
| PLS 760 | Management of Intergovernmental Relations | 3 hrs |
| PLS 774 | Municipal Planning and Zoning | 3 hrs |
| ACC 600 | Accounting Concepts for Managers | 3 hrs |



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Certificate In Public Management

David E A Johnson, Certificate Program Director

Strong Hall, Room 328; Phone 417-836-6956

[DavidEAJohnson@missouristate.edu](mailto:DavidEAJohnson@MissouriState.edu) (mailto:DavidEAJohnson@MissouriState.edu)

politicalscience.missouristate.edu/mpa (https://politicalscience.missouristate.edu/MPA/)

Program description

The Certificate in Public Management (CPM) is a postbaccalaureate program designed to enable practitioners in government and non-profit organizations to acquire knowledge and skills in public administration without pursuing a full master's degree. This is an ideal academic program for individuals working in mid-level jobs who have not previously received professional training in public administration. While the focus is on the public sector, the courses teach leadership and problem solving skills that apply to the non-profit sector as well.

The CPM requires a total of 18 hours of graduate credits involving a mix of required and elective credits. The courses are the same as those offered to MPA students. The courses must be completed within four years of

admission into the program. The program does not require a comprehensive examination, area of concentration, or a capstone research requirement.

Admission to the MPA program from CPM

Admission to and successful completion of the CPM in no way guarantees admission to the MPA program. Admission requirements include a 3.00 overall grade point average and three letters of recommendation. Students who are enrolled in or have completed the CPM must apply separately for admission to the MPA and comply with the MPA admission standards and the requirements of the Graduate College, including completion of the GRE.

The CPM is designed for persons in management positions who need a limited number of selected courses in contemporary methods, skills, and models of management. On occasion, however, a person may pursue the CPM and then decide that it would be desirable to pursue the MPA degree. All CPM credits may be applied to the MPA.

Requests for information

For information about the Graduate Programs in Public Administration, please contact: Patrick Scott, MPA Program Director, Department of Political Science, Missouri State University, 901 S. National Avenue, Springfield MO 65897. (PScott@missouristate.edu (<mailto:PScott@missouristate.edu>))

Admission deadlines

Application packages should be received by the program office one month prior to the semester you wish to begin. Students may begin the Fall, Spring, or Summer semester.

Completion requirements

Students must have an overall grade point average of 3.00 for completion of the certificate program.

Required courses - 18 hours total

Required Core - 12 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PLS 752 | Public Personnel Management | 3 hrs |
| PLS 753 | Management Techniques and Organizational Behavior | 3 hrs |
| PLS 756 | Budgeting and Financial Management for State and Local Government | 3 hrs |
| PLS 771 | Seminar in Public Administration | 3 hrs |

Elective Methodology Courses: (Choose 1) - 3 hrs





| Course Code | Course Title | Credit Hours |
|-------------------------|---|--------------|
| PLS 673 | Policy Analysis | 3 hrs |
| PLS 676 | Quantitative Methods of Political Science and Public Policy | 3 hrs |
| PLS 762 | Public Policy and Program Evaluation | 3 hrs |

Concentration Subfields (Choose 1) - 3 hrs

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| PLS 754 | Seminar in Health Policy | 3 hrs |
| PLS 685 | Public Policy for a Global Environment | 3 hrs |
| PLS 759 | Seminar in Administrative Management and Organizational Theory | 3 hrs |
| PLS 760 | Management of Intergovernmental Relations | 3 hrs |
| PLN 671 | Land Use Planning | 3 hrs |
| PLN 704 | Community Resource Planning | 3 hrs |

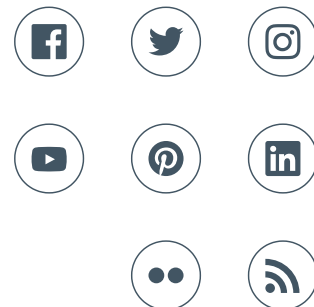


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DavidEAJohnson@missouristate.edu (mailto:DavidEAJohnson@missouristate.edu)

[Master of Public Administration](https://politicalscience.missouristate.edu/MPA/) (https://politicalscience.missouristate.edu/MPA/)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The certificate in public policy provides a 12 hour graduate-level experience for people working or desiring to work in the field of public policy. This program provides a grounding in the theory and application of public policy along with the opportunity to explore other policy areas that may suite their interests and career path.

The curriculum is structured around key policy and analysis involving public policy. Each course prepares students to master core issues, principles, and problem-solving approaches that can be applied to specific challenges confronting their jurisdictions or sponsoring organizations.

Admission criteria

Admission to the certificate program requires a bachelor's degree from a regionally accredited institution of higher education, a 3.00 overall grade point average, and three letters of recommendation. Admission is open to qualified persons without regard to age, physical disability, national origin, race, religion, or gender.

Selection is made based on prior academic performance, professional accomplishments, and other indicators of the ability to successfully pursue graduate education and a professional career in public management.

Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. The Director of the MPA program will define probationary conditions and convey those to the student.

Students enrolling in this certificate as a part of the MPA program must also apply for the certificate in addition to the MPA.

Required courses - 12 hours total

Required courses - 6 hours


| Course(s) | Area of Study | Credit Hours |
|-------------------------|--------------------------------------|--------------|
| PLS 673 | Policy Analysis | 3 hrs |
| PLS 762 | Public Policy and Program Evaluation | 3 hrs |

Elective courses - 6 hours


Choose 6 hours from the following courses.


| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 685 | Public Policy for the Global Environment | 3 hrs |
| PLS 754 | Seminar in Health Policy | 3 hrs |
| ECO 615 | Public Sector Economics | 3 hrs |
| SWK 715 | Social Welfare Policy and Services | 3 hrs |

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David E A Johnson, MPA Program Director

Strong Hall, Room 328; Phone 417-836-6956

DavidEAJohnson@missouristate.edu (mailto:DavidEAJohnson@missouristate.edu)

[Master of Public Administration](https://politicalscience.missouristate.edu/MPA/) (https://politicalscience.missouristate.edu/MPA/)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The certificate in public safety provides a 12 hour graduate-level experience for people working or desiring to work in the field of public safety. This program provides a grounding in the basic services of public safety agencies and then the opportunity to explore the federal level of homeland security or exploring other complimentary disciplines that may suit their interests and career path.

The curriculum is structured around key public safety services and planning. Each course prepares students to master core issues, principles, and problem-solving approaches that can be applied to specific challenges confronting their jurisdictions or sponsoring organizations.

Admission criteria

Admission to the certificate program requires a bachelor's degree from a regionally accredited institution of higher education, a 3.00 overall grade point average, and three letters of recommendation. Admission is open to qualified persons without regard to age, physical disability, national origin, race, religion, or gender.

Selection is made based on prior academic performance, professional accomplishments, and other indicators of the ability to successfully pursue graduate education and a professional career in public management.

Students who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission. The Director of the MPA program will define probationary conditions and convey those to the student.

Students enrolling in this certificate as a part of the MPA program must also apply for the certificate in addition to the MPA.

Required courses - 12 hours total

Required courses - 6 hours

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 772 | Introduction to Public Safety Services | 3 hrs |
| PLS 773 | Hazard Analysis, Mitigation and Preparedness | 3 hrs |

Elective courses - 6 hours





Choose 6 hours from the following courses.

| Course(s) | Area of Study | Credit Hours |
|-------------------------|--|--------------|
| PLS 719 | Strategic Planning & Organizational Imperatives in Homeland Security | 3 hrs |
| PLS 717 | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| GLG 647 | Water Resources | 3 hrs |
| GRY 731 | Environmental Assessment | 3 hrs |
| CRM 740 | Foundations of Homeland Defense and Security | 3 hrs |



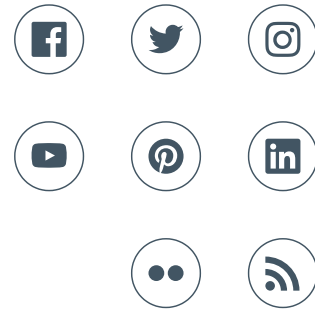


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Missouri State


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Department of Religious Studies

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 Includes accelerated master's option

 Program can be completed online

Master's programs

[Religious Studies \(MA\)](#) 

General Information

Missouri State possesses the oldest and largest religious studies program in a state university in Missouri. In our program, you will have access to one of the largest religious studies faculties in the Midwest. Our professors have an impressive range and depth of knowledge in fields including biblical studies, history of Judaism and Christianity, Asian religions, North American religions, and modern religious thought.

Contact

Acting Department head

Jack Llewellyn

Office

Strong Hall, Room 251

Phone

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417-836-4757

Email

ReligiousStudies@missouristate.edu
(mailto:ReligiousStudies@missouristate.edu)



Website

missouristate.edu/relst
(<https://www.missouristate.edu/RelSt/>)



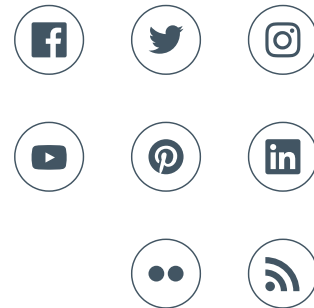
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Missouri State

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Graduate Catalog

Religious Studies Courses

Religious Studies (REL) courses

REL 615 Topics in Biblical Studies

Recommended Prerequisite: REL 101 or REL 102. Advanced study of canonical and non-canonical texts and related subjects. Examples: Genesis, The Social World of Ancient Israel, Dead Sea Scrolls, Historical Jesus, Acts as History and Literature, Revelation and Apocalyptic Literature. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 510. Cannot receive credit for both REL 615 and REL 510 for the same topic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 635 Topics in Religion and Culture

Recommended Prerequisite: REL 100 or REL 131. Explores advanced issues in the study of religion as a component of cultural life including issues of gender, race, and ethnicity. Examples of topics: Religion and Politics; Religion, Media, and Popular Culture; Religion and Visual Culture; American Religious Communities; Lived Religion; Bible Belt Religion; Food and Religion; Women and Religion. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 530. Cannot receive credit for both REL 530 and REL 635 for the same topic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 645 Topics in Religions of Asia

Recommended Prerequisite: REL 210. Studies of advanced topics in the comparative religions of Asia or in the history of a particular religious tradition. Topics may include material ranging from ancient history to the present day. Examples: Colonialism, Religion and Culture, Yoga, Fundamentalism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 540. Cannot receive credit for both REL 540 and REL 645 for the same topic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 655 Topics in Religions of Europe and the Middle East

Recommended Prerequisite: REL 330, REL 340, or REL 350. Selected topics of advanced content in Judaism, Christianity, and/or Islam. Examples: Jewish Mysticism; Jewish Philosophy; The Spirituality of Martin Luther and John Calvin; Women in the History of Christianity; Islamic Law and Ethics; Sufism. Variable content course. May be repeated, as topics change, to a maximum of 9 hours. May be taught concurrently with REL 550. Cannot receive credit for both REL 655 and REL 550 for the same topic.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

REL 675 Archaeology and the Bible

Recommended Prerequisite: REL 101 or REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Bible. Methods and objectives of archaeological research, including a brief history of Near Eastern archaeology. May be taught concurrently with REL 570. Cannot receive credit for both REL 570 and REL 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 685 Theories of Religion

Prerequisite: permission of department head.

This required course for graduate students surveys influential theories of religion from the Enlightenment to the present. Students will write a major research paper involving theoretical perspectives learned in the course. May be taught concurrently with REL 580. Cannot receive credit for both REL 580 and REL 685.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

REL 711 Seminar in Religions of Asia

This seminar will examine a specific topic or tradition within Asian religions. Students can expect to do focused reading, discussion, and research on a particular subject related to the Hindu, Buddhist, Islamic, and/or other traditions of Asia. Historical and contemporary material, along with critiques of scholarship in the field, may be considered. May be repeated once if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 731 Seminar in Biblical Studies

Recommended Prerequisite: REL 730. This seminar examines a specific topic within the history and literature of the Hebrew Bible/Old Testament and/or New Testament. Students can expect to do focused reading, discussion, and research on a particular historical, literary, and/or methodological issue pertaining to the topic. Variable content course. May be repeated once if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 751 Seminar in Religions of Europe and the Middle East

Detailed study of selected persons, authors, movements, and eras in the history of Judaism, Christianity, Islam, or other religions of Europe and the Middle East. Variable content course. May be repeated once if topic is different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 771 Seminar in Religion and Culture

Recommended Prerequisite: REL 770. A seminar applying various perspectives to individual religious practice and religious institutions in selected Western and non-Western societies. May be repeated once if topic is

different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

REL 796 Readings in Religious Studies

Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of instructor.

Arranged program of readings for the individual student directed by a member of the graduate faculty. Before enrolling in the course, student and instructor must sign an agreement that details the course requirements. Variable content course. May be repeated, when topics varies, to a maximum of 9 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

REL 799 Thesis

Prerequisite: recommendation of the Religious Studies general graduate advisor and permission of student's thesis advisor.


The student will prepare an in-depth thesis on a clearly-defined topic within his or her area of specialization. Before enrolling in the course, student and thesis advisor must sign an agreement that details the course requirements. May be repeated to a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |




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John E. Llewellyn

Victor H. Matthews

Kathy J. Pulley

Austra Reinis

John T. Strong

Associate professors

Leslie Baynes

Mark D. Given

Vadim Putzu

John A. Schmalzbauer

Assistant professors

Phillipa Koch

Matthew Kuiper

Instructor

Amy Artman

Emeritus professors

Stanley M. Burgess

LaMoine DeVries

Martha L. Finch

Charles Hedrick

Karl W. Luckert

J. Ramsey Michaels


James Moyer



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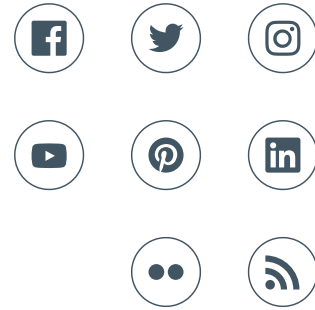
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Religious Studies



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Graduate programs

Master of Arts, Religious Studies

Mark Given, Graduate Program Director

Strong Hall, Room 266; Phone 417-836-6261

MarkGiven@MissouriState.edu (mailto:MarkGiven@MissouriState.edu)

Program description

This program will develop sound knowledge and professional skills in the discipline of Religious Studies, as well as in the broader context of related disciplines in the humanities. The following areas of emphasis are available: Religions of Asia; Religions of Europe and the Middle East; Biblical Studies; and Religion and Culture. Upon completion of the program, students will have acquired a foundation of knowledge, skills, and perspectives for working in a variety of vocations where a high degree of versatility in human affairs, knowledge in humanities, and an ability to negotiate among various religious perspectives are required. The program provides a strong foundation for doctoral studies and teaching, and it can enhance preparation for such professional careers as non-profit work, counseling and ministry.

Admission requirements

1. A bachelor's degree in religious studies or a related program in the humanities or social sciences. Some coursework in religious studies is desirable.
2. A minimum GPA of 3.00 on a 4.00 scale. Students who do not meet the GPA requirement may opt to take the GRE and normally will be expected to score a minimum of 158 on the verbal section (580 under the old scoring system before August 1, 2011) and a minimum of 300 (1,000 under the old scoring system) on the combined verbal and quantitative sections.
3. There are additional university requirements for international applicants, including documentation of financial support and demonstration of proficiency in the English language if your primary language is not English. See International Services Requirements for Graduate Admission for more information.
4. Applicants lacking the appropriate qualifications for the program may be admitted but will be required to rectify deficiencies with appropriate course work. Usually these courses will not count toward the master's degree. Students who do not meet the GPA or GRE standards outlined above may be granted admission to the program at the discretion of the Graduate Program Director.

Accelerated Master's Degree option

Eligible undergraduate majors in Religious Studies or an equivalent department from an accredited institution may apply for early admission to the Master of Arts in Religious Studies. Once accepted for early admission, students will be able to take up to twelve (12) credit hours at the 600- and 700-level that apply to both their undergraduate and graduate programs. Before enrolling in courses to be counted for both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated master's program AND receive prior approval from the Graduate Program Director, Department Head, and the Graduate College Dean (on a Mixed Credit Form).

Admission requirements for the Accelerated Master's program

1. Junior standing, with an overall GPA of 3.4.
2. Major in Religious Studies or an equivalent, having completed fifteen hours in the department, including at least six hours at the 300-level or above, with a GPA in the major of 3.5.
3. Recommendation by a faculty member in Religious Studies or an equivalent department at another institution.
4. Admission by the Graduate Committee of the Department of Religious Studies.

Degree requirements (minimum of 30 hours)

1. Core Requirements - 15 hours

| Code | Course Title | Credit Hours |
|--------------------------|------------------------------|--------------|
| REL 685* | Theories of Religion | 3 hrs |
| REL 711 | Seminar in Religions of Asia | 3 hrs |
| REL 731 | Seminar: Biblical Studies | 3 hrs |

| | | |
|-------------------------|--|-------|
| REL 751 | Seminar in Religions of Europe and the Middle East | 3 hrs |
| REL 771 | Seminar: Religion and Culture | 3 hrs |

*Students who have completed [REL 580](#) Theories of Religion must substitute [REL 685](#) with an additional 600- or 700-level course (3 hours) approved by the Graduate Program Director

- Electives - 15 hours.** Students writing a thesis for their research component must complete two additional seminars (6 hours), distributed across two of four options ([REL 711](#), [731](#), [751](#), [771](#)). Students creating a research portfolio for their research component must complete three additional seminars (9 hours), distributed across three of four options ([REL 711](#), [731](#), [751](#), [771](#)).
Additional electives: All students must complete additional elective hours selected from 600- and 700-level courses to total 30 hours. At least six of the elective hours must be in the Religious Studies Department. For students writing a thesis, up to 6 of the elective hours may be in [REL 799](#), Thesis - the first 3 hours typically taken after the student has completed 12 hours of course work and the second 3 hours taken the following semester to complete the thesis.
- Advisory committee.** Initially each student will be advised by the Graduate Program Director. As soon as possible, the student will select a faculty member to chair a graduate advisory committee consisting of at least three persons. This committee will supervise the remainder of the candidate's graduate program.
- Program of study.** The candidate's program will be structured by the Advisory Committee in consultation with the student.
- Comprehensive examination.** The written and oral comprehensive examination will be administered by the student's Advisory Committee upon the completion of at least 12 hours of course work, normally at the beginning of the third semester. This examination must be passed before the student begins writing a thesis or creating a research portfolio.
- Research.** In addition to completing their course work, students must complete either a thesis or a research portfolio in a manner acceptable to the student's Advisory Committee. The thesis or research portfolio constitutes the student's research component and will be defended orally before the student's Advisory Committee.



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Missouri State


Graduate College

Graduate Catalog

Department of Sociology and Anthropology

Program

 Includes accelerated master's option

 Program can be completed online

Master's program

Secondary Education: Social Science Area of Emphasis (MSEd)

Mission statement

The Department of Sociology and Anthropology exists to educate students in the principles, methods, and contents of sociology and anthropology/archaeology; to conduct scholarly endeavors in these fields; and to provide service activities for the Department, College of Humanities and Public Affairs, Missouri State University, the State of Missouri, the human community, and discipline-based organizations. We carry out these endeavors within the context of the public affairs mission of the University.

Contact

Department head

David Rohall

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soc-ant.missouristate.edu
(<https://soc-ant.missouristate.edu/>)

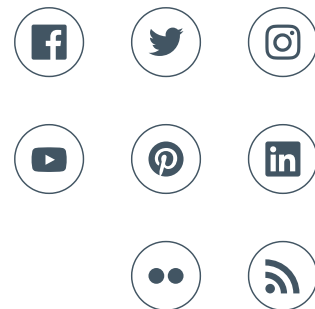


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Missouri State

Graduate College

Graduate Catalog

Sociology and Anthropology Graduate Faculty

Professors

John B. Harms

William C. Meadows

Elizabeth A. Sobel

Suzanne E. Walker-Pacheco

Associate professors

Catherine Hoegeman

Frederick Scott Worman

Assistant professors

Erin Kenny

Alicia Walker

Research professors

Jack H. Ray

Marcie L. Venter

Emeritus professors

Gary L. Brock

Margaret L. Buckner

Shahin Gerami

Donald D. Landon

Timothy Knapp

Marvin Prosono

William A. Wedenoja

Martha F. Wilkerson


Juris Zarins



Missouri State

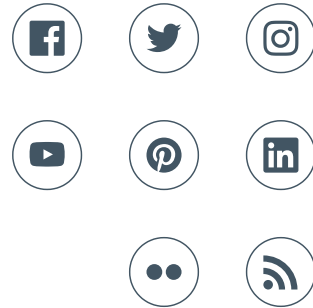
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Missouri State

Graduate College

Graduate Catalog

Sociology and Anthropology Courses

Anthropology (ANT) courses

ANT 645 Cultural Resource Management

An examination of laws and regulations pertaining to the preservation of American history and culture and the professional management and preservation of ethnic, historic, and prehistoric cultural resources. May be taught concurrently with ANT 545. Cannot receive credit for both ANT 645 and ANT 545.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

ANT 795 Directed Readings in Anthropology

Prerequisite: permission of instructor.

Supervised readings in preparation for a practicum or thesis project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

Sociology (SOC) courses

SOC 697 Directed Readings in Sociology

Prerequisite: permission of instructor.

Readings designed to supplement material introduced in previous Sociology courses. Includes a wide selection from literature in the field. May be repeated to a total of 9 hours, but no more than 6 hours may be applied to the sociology major. May be taught concurrently with SOC 596. Cannot receive credit for both SOC 596 and SOC 697.





| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |



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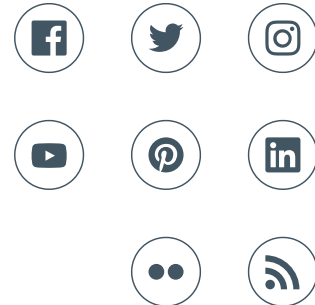
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Missouri State

Graduate College

Graduate Catalog

Secondary Education: Social Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements

A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs

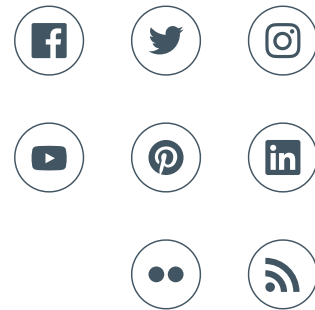


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<https://graduate.missouristate.edu/Catalog/prog-secondary-education-social-science-emphasis.htm>

Missouri State


Graduate College

Graduate Catalog


College of Natural and Applied Sciences

Programs

 Includes accelerated completion option

 Includes program can be completed online

Master's programs

[Biology \(MS\)](#) 


[Chemistry \(MS\)](#) 

[Computer Science \(MS\)](#) 


[Geography and Geology \(MS\)](#) 


[Materials Science \(MS\)](#) 


[Mathematics \(MS\)](#) 

[Natural and Applied Sciences with emphasis in Biology \(MNAS\)](#) 

[Natural and Applied Sciences with emphasis in Chemistry \(MNAS\)](#) 

[Natural and Applied Sciences with emphasis in Computer Science \(MNAS\)](#) 


[Natural and Applied Sciences with emphasis in Geography, Geology, and Planning \(MNAS\)](#) 

[Natural and Applied Sciences with emphasis in Mathematics \(MNAS\)](#) 

[Natural and Applied Sciences with emphasis in Physics \(MNAS\)](#) 

[Plant Science \(MS\)](#) 

[Professional Studies: Environmental Management Option \(MPS\)](#)

[Professional Studies: Hospitality Administration Option \(MPS\)](#) 

[Secondary Education: Biology Area of Emphasis \(MSEd\)](#)

[Secondary Education: Chemistry Area of Emphasis \(MSEd\)](#)

[Secondary Education: Earth Science Area of Emphasis \(MSEd\)](#)

[Secondary Education: Geography Area of Emphasis \(MSEd\)](#)

[Secondary Education: Mathematics Area of Emphasis \(MSEd\)](#) ⇄

[Secondary Education: Natural Science Area of Emphasis \(MSEd\)](#)

[Secondary Education: Physics Area of Emphasis \(MSEd\)](#)

[Secondary Education: Social Science Area of Emphasis \(MSEd\)](#)

Certificates

[Data Science](#) (Certificate)

[Environmental Monitoring and Sampling](#) (Certificate)

[Geospatial Information Sciences](#) (Certificate)

[Hospitality Administration](#) (Certificate) 

[Petroleum Geology](#) (Certificate)

[Planning and Development](#) (Certificate)

[Science Content](#) (Certificate) ⇄

[Sustainability](#) (Certificate)

General information

A Master of Natural and Applied Science degree is administered by the College of Natural and Applied Sciences. Courses are offered toward the option in Natural Science within the Master of Science in Education degree in Secondary Education. Additional graduate programs are offered through the academic departments in the College of Natural and Applied Sciences.

Centers for Research and Service

Center for Resource Planning and Management

The [Center](http://crpm.missouristate.edu/) (<http://crpm.missouristate.edu/>) provides educational training, applied research and community outreach services in the field of urban planning and community development. The Center is an affiliate data center of the Missouri State Census Data Center and an administrative agent of the Southwest Missouri Advisory Council of Governments.

Contact

Dean

Tamera S. Jahnke

Associate Deans

Kyoungtae Kim

Xiaomin Qiu

Jorge Rebaza

Office

Temple Hall, Room 142

Phone

417-836-5249

Fax

Ozarks Environmental and Water Resources Institute

The [Institute](http://oewri.missouristate.edu/) supports efforts to protect and restore water quality and supply in the Ozarks Region of southern Missouri and northern Arkansas. It provides a hub for science-based monitoring and assessment of water and sediment quality trends, watershed function and disturbance, and land use/land cover change in the Ozarks.

417-836-6934

Website

science.missouristate.edu
(<https://science.missouristate.edu/>)


Bull Shoals Field Station


The [Bull Shoals Field Station](http://www.bullshoals.missouristate.edu/) operates to promote research and provide educational programs that increase public understanding of southwest Missouri ecosystems.





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Missouri State

Graduate College

Graduate Catalog

Natural and Applied Sciences Courses

Science Education (SCI) courses

SCI 605 Intellectual Foundations of Science and Technology

An historical and philosophical examination of the origins and the development of science and technology. The differences between science and technology, their interrelationships in modern times, and the impact of each of these on society will be considered. May be taught concurrently with SCI 505. Cannot receive credit for both SCI 505 and SCI 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

SCI 662 Teaching Science Using Technology in the Classroom and Laboratory

Prerequisite: SCI 784.

In this course, students will experience hands-on uses of technology in the science classroom and science teaching laboratory. Instruction will focus on safe and effective uses of laboratory techniques and technology to teach science. The course will emphasize the potential of the science laboratory as a vehicle to promote student understanding of science and scientific inquiry. There is a special emphasis on using technology and online resources to supplement instruction in the science classroom. This includes, but not limited to, the use of probes, various software simulations and modeling programs along with internet access to databases and other appropriate websites showing simulations, etc. that support the learning environment in science.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Summer |

SCI 685 Topics in Science Education

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. No more than 6 hours may be counted toward a degree. May be taught concurrently with SCI 580. Cannot receive credit for both SCI 685 and SCI 580.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

SCI 780 Advanced Topics in Science Education

Prerequisite: 12 hours of graduate coursework.

A variable content course for offering selected topics of interest to science teachers in the elementary, middle, or secondary schools; or in college classrooms. May be repeated up to 6 hours when the topic varies. Maximum of 6 hours may be counted toward degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

SCI 783 Internship in Teaching Secondary Science I

Prerequisites: SFR 797; passed the Missouri Content Assessment exam in the primary science emphasis area; and current pre-professional liability insurance. Introduction to the fundamental skills necessary to become a confident well rounded science teacher in the high school setting. This course emphasizes integration of current science learning theories and standards into classroom experiences. Students learn to design and teach science through various inquiry pedagogical approaches. Students learn to assess content knowledge achievement through formal and informal techniques. Practical classroom management will be emphasized. During the 75 hour practicum experience, students observe classroom teachers and teach science under the direction of a cooperating teacher and the university supervisor. Students participate in school-related activities and attend all required meetings. Students complete an on-going seminar through face-to-face meetings or synchronous online communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

SCI 784 Internship in Teaching Secondary Science II

Prerequisite: SCI 783; passed the Missouri Content Assessment exam in the primary science emphasis area; and current pre-professional liability insurance.


This course is a professional internship for science teacher education candidates. The teacher candidate is assigned to a school district with a cooperating teacher and is expected to observe, tutor, teach and reflect upon the results of these activities. As a reflective practitioner, the teacher candidate alters the practice or consciously continues. Teacher candidates will also demonstrate mastery of the all MTS quality indicators that comprise the student teaching evaluations. In addition to becoming a reflective practitioner, teacher candidates are expected to meet the needs of individuals with diverse learning needs and provide students with an appropriate multicultural perspective. Students participate in school-related activities and attend all required meetings. Students complete an on-going seminar through face-to-face meetings or synchronous online communication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 10 | | | Spring |



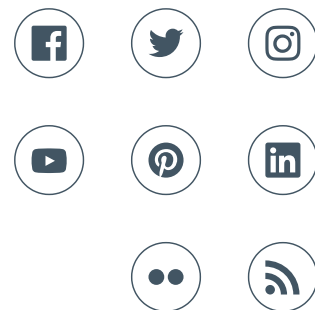
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Science Content



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Certificate in Science Content

Georgianna Saunders, Certificate Program Director

Kings Street Annex 204

417-836-6469

GigiSaunders@MissouriState.edu (mailto:GigiSaunders@MissouriState.edu)

Program description

The graduate certificate in science content provides an 18 hour graduate-level experience for students who are interested in deepening or broadening their understanding of science, and may satisfy Missouri Department of Higher Education content requirements for teaching dual-credit courses. Students choose a variety of science courses to meet their goals in consultation with an advisor.

Admission criteria

To be considered for the program, a student must have a 3.00 grade point average in a major in biological science, chemistry, geological sciences, physics or a closely related field.

Accelerated Option

Eligible Missouri State University students may apply for acceptance into an accelerated option for the graduate certificate in science content. This option offers science majors whose goals, academic capabilities, and career planning include teaching science an opportunity to complete the requirements for the graduate certificate in less time than would otherwise be possible.

Requirements include completion of at least 60 undergraduate hours in a science major with an overall GPA of 3.25 and a GPA within the major of at least 3.25.

If accepted, graduate courses chosen from approved 600-level courses may be counted toward both the graduate certificate and the undergraduate degree, with a maximum of 12 credit hours. Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the courses toward the graduate certificate, an undergraduate student must be accepted into the accelerated program and complete a mixed credit form. Acceptance into the program and all approvals must be completed prior to the end of the **change of schedule period** for the course(s). See the “Graduate College” section for further information.

Program requirements (18 Hours)

Complete an area of specialization in one of the following science disciplines:

Advanced biology

- 18 hours of biology courses at the 600 and 700 level
- Courses will be chosen to meet the student’s specific goals in consultation with the advisor

Advanced chemistry

- 18 hours of chemistry courses at the 600 and 700 level
- Courses will be chosen to meet the student’s specific goals in consultation with the advisor

Advanced Earth science

- 18 hours of geology and physical geography courses at the 600 and 700 level
- Courses will be chosen to meet the student’s specific goals in consultation with the advisor

Advanced physics

- 18 hours of physics courses at the 600 and 700 level
- Courses will be chosen to meet the student’s specific goals in consultation with the advisor



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Missouri State


Graduate College

Graduate Catalog


Department of Biology


Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Biology \(MS\)](#) 

[Natural and Applied Science with an area of emphasis in Biology \(MNAS\)](#) 

[Plant Science \(MS\)](#) 

[Secondary Education: Biology Area of Emphasis \(MSEd\)](#)

[Secondary Education: Natural Science Area of Emphasis \(MSEd\)](#)

Mission statement

The faculty of the Department of Biology believes that a broad perspective is valuable for all areas of study within the field. Therefore, the department is comprehensive in its approach, including study at all levels of biology, from cells and microbes to ecosystems. The mission of the Biology department is the dissemination of biological knowledge (through classroom teaching and community service) and the generation of new biological knowledge (through research). This mission is embodied in six areas of scholarly activity, which include (1)

Contact

Department head

S. Alicia Mathis

Office

Temple Hall, Room 212

service courses for non-majors, (2) the undergraduate program in biology, (3) the graduate program in biology, (4) faculty research and development, (5) service to the civic community, and (6) service to the research community. We seek a faculty composition that offers excellent teaching and research in all fundamental subject areas within biology, including teacher education. Our mission includes the following shared values:

- Ethical behavior in scholarly and research activities
- A broadly-based understanding of the natural world
- Hands-on learning through laboratory and field experiences
- Critical-thinking and problem solving through the scientific method
- A climate that is supportive of diversity
- Excellence in teaching and advising
- Generation of knowledge through research by both faculty and students
- Dissemination of knowledge through publication and presentations
- Student involvement in research and internships
- Student participation in university-based organizations related to biology
- Student and faculty involvement in professional societies
- Exposure of students to other cultures and ecosystems through study-away courses
- Outreach to the local community
- Collaborations and partnerships with private, nonprofit and government agencies

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417-836-4204

Email

biology@missouristate.edu
(<mailto:biology@missouristate.edu>)

Website


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Biology Graduate Faculty

Distinguished professors

M. Christopher Barnhart

Paul L. Durham

S. Alicia Mathis

Professors

Frank A. Einhellig

Kyoungtae Kim

Laszlo G. Kovacs

Day Ligon

Thomas E. Tomasi

D. Alexander Wait

Associate professors

Brian D. Greene

Sean Maher

Georgianna Saunders

Ryan Udan

Assistant professors

Debra Finn

La Toya Kissoon-Charles

Christopher Lupfer

Jay McEntee

Babur Mirza

Quinton Phelps

Avery Russell

Instructor

Erica Cox

Adjunct faculty

Wendy B. Anderson

Daniel W. Beckman

David E. Bowles

Katy Fredrick

Michelle Green

Lloyd W. Morrison

J. Daren Reidle

Gareth A. Rowell

Jason Steubel

Emeritus professors

Jerry Berlin

Loren Denney

Janice Greene

John Heywood

John Havel

Roar Irgens

Don Moll

Richard Myers

Grant Pyrah

Russell Rhodes

Lynn Robbins

John Steiert


Robert Wilkinson, Jr.




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Missouri State

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Graduate Catalog

Biology Courses

Biology (BIO) courses

BIO 601 Natural History Museum Techniques

Techniques in the development of natural history museum displays including making models, design of displays, writing educational text, and other techniques. Course will be taught off-site at the Bull Shoals Field Station and Chase Studio. May be taught concurrently with BIO 501. Cannot receive credit for both BIO 601 and BIO 501.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Upon demand |

BIO 602 Sustainability Science in Practice

After exploring the three pillars of sustainability, students will embark on developing a research proposal in their area of study. Research in virtually all areas related to sustainable development can be a focus of a student's research proposal. For example: food, health, education, economics, social and gender equity, energy, law and diplomacy, land use change, biodiversity loss, chemical pollution, freshwater use, water quality, climate change mitigation, environmental remediation, smart structures, alternative energy, supply chain logistics and smart grids. May be taught concurrently with BIO 502. Cannot receive credit for both BIO 602 and BIO 502.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

BIO 605 Human Nature

Recommended Prerequisite: general biology with evolution; genetics; college algebra; and introductory psychology. A survey of current biological research on the behavioral, psychological, and cognitive dimensions of human biology. This course emphasizes the evolution and function of human social behaviors and value systems, but also addresses the genetics of human psychological diversity, the genetics of human-ape divergence, and the neurobiology of human cognition. May be taught concurrently with BIO 505. Cannot receive credit for both BIO 605 and BIO 505.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

BIO 608 Environmental Microbiology

Recommended Prerequisite: microbiology. The study of the ecology of microorganisms and the applied use of microorganisms by man in the environment. Laboratory will emphasize current methods used in the field of environmental microbiology. May be taught concurrently with BIO 508. Cannot receive credit for both BIO 508 and BIO 608.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

BIO 609 Stream Ecology

Recommended Prerequisite: ecology course and one year of college chemistry. The interdisciplinary study of running waters, including study of the physical and chemical environment, trophic interactions, nutrient cycling, and the multiple impacts of humans on modifying these systems. Lectures, group discussion of readings, and laboratory and field exercises. One all-day Saturday field trip required. May be taught concurrently with BIO 509. Cannot receive credit for both BIO 509 and BIO 609.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Spring |

BIO 611 Immunology

Recommended Prerequisite: microbiology or molecular/cellular biology. A study of the immune system with emphasis on molecular and cellular mechanisms underlying host-microbe interactions, allergy, transplant rejection, cancer surveillance, and autoimmune disease. Laboratory emphasis on techniques used to address research and diagnostic problems. May be taught concurrently with BIO 511. Cannot receive credit for both BIO 511 and BIO 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall |

BIO 613 Industrial Microbiology

Recommended Prerequisite: microbiology course. An introduction to the fundamental concepts of industrial and applied microbiology. The industrial production of proteins, metabolites, polymers, biocides, and vaccines will be discussed in addition to biotransformations and environmental applications. Production improvement strategies that employ both physical and modern molecular techniques will be introduced. Laboratory will emphasize the selection of industrially important microorganisms, the theory and operation of a fermentor for the production of proteins, antibiotics, and steroids, use of analytical equipment for monitoring product formation, enzymes analysis, downstream processing, and bio-reactor construction and design. May be taught concurrently with BIO 512. Cannot receive credit for both BIO 512 and BIO 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BIO 616 Evolution

Recommended Prerequisite: genetics course; and college algebra or pre-calculus mathematics course. A survey of modern evolutionary biology, including the evidence that supports the theory of evolution, the natural processes that cause evolution, patterns and mechanisms of speciation, and methods for estimating evolutionary relationships. May be taught concurrently with BIO 515. Cannot receive credit for both BIO 515 and BIO 616.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BIO 617 Microbial Physiology and Metabolism

Recommended Prerequisite: microbiology course and organic chemistry course. Physiology and anatomy of microorganisms including adaptive responses to environmental changes and microbial metabolic diversity will be discussed. Laboratory will emphasize selective isolation and identification of microorganisms, the growth dynamics of microorganisms, and responses by microorganisms to environmental changes. May be taught concurrently with BIO 517. Cannot receive credit for both BIO 517 and BIO 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Fall |

BIO 618 Regulatory Mechanisms

Recommended Prerequisite: genetics, molecular/cellular biology, microbiology, or biochemistry. The regulation of gene expression and protein/enzyme activity in prokaryotes, eukaryotes and viruses. A content-based lecture and discussion course utilizing both textbook and primary literature. May be taught concurrently with BIO 518. Cannot receive credit for both BIO 618 and BIO 518.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

BIO 620 Pathogenic Microbiology

Recommended Prerequisite: microbiology course. Fundamental principles of pathogenic microbiology; transmission, infection and control of the pathogen. May be taught concurrently with BIO 520. Cannot receive credit for both BIO 520 and BIO 620.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BIO 621 Marine Science for Teachers I

Prerequisite: 12 hours in biology.

Recommended Prerequisite: genetics course. A course designed to introduce students, particularly inservice teachers, to the study of marine science and to promote the teaching of marine biology at all grade levels. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 521. Cannot receive credit for both BIO 521 and BIO 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

BIO 623 Marine Science for Teachers I Lab

Prerequisite: concurrent enrollment in BIO 621.

Laboratory portion of BIO 621. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 522. Cannot receive credit for both BIO 522 and BIO 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Summer |

BIO 627 Field Biology

Prerequisite: permission of instructor.

Field work during an extended field trip to a specific region of North America to familiarize the student with the flora and/or fauna of that region. Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a maximum of six hours with a maximum of three hours to be applied to the major in biology. May be taught concurrently with BIO 527. Cannot receive credit for both BIO 527 and BIO 627.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

BIO 629 Phycology

Recommended Prerequisite: ecology course. The structure, function, ecological significance, and diversity of algae. Emphasis will be placed on field studies, isolation and growth, and physiological characteristics. May be taught concurrently with BIO 530. Cannot receive credit for both BIO 530 and BIO 629.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BIO 632 Principles of Fisheries Management

Recommended Prerequisite: ecology or wildlife management course. Life history, population ecology, and management of exploited freshwater and marine species. Scientific sampling and analysis of fishery populations. Characterization, history, and management principles for representative commercial and recreational fisheries. May be taught concurrently with BIO 532. Cannot receive credit for both BIO 532 and BIO 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BIO 633 Wetland Ecology

Recommended Prerequisite: ecology course; and one year of college chemistry. The composition, structure, function, and importance of wetland ecosystems. Comparisons of different wetland types, hydrology, nutrient cycles, plants and animals and their adaptations, and conservation strategies. May be taught concurrently with BIO 533. Cannot receive credit for both BIO 533 and BIO 633.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 3 | Upon demand |

BIO 635 Coastal Vegetation Lab

Prerequisite: concurrent enrollment in BIO 641.

Laboratory portion of BIO 641. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 535. Cannot receive credit for both BIO 535 and BIO 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Summer |

BIO 636 Plant Ecology

Recommended Prerequisite: ecology course. The dynamics, structure, and distribution of plant populations and communities, with emphasis on interactions among plants, plants and other organisms, and plants and ecosystems. Laboratory emphasis on experimental studies in the greenhouse and field. Weekend field trip is required. BIO 436 may be taught concurrently with BIO 636. Cannot receive credit for both BIO 436 and BIO 636.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Fall |

BIO 637 Salt Marsh Plant Ecology

Prerequisite: permission of advisor or department head.

Recommended Prerequisite: general biology II, plant taxonomy, ecology and plant physiology course. A study with emphasis on the botanical aspects of local marshes; includes plant identification, composition, structure, distribution, and development of coastal marshes. Biological and physical interrelationships. Primary productivity and relation of marshes to estuaries and associated fauna. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 537. Cannot receive credit for both BIO 537 and BIO 637.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

BIO 638 Salt Marsh Plant Ecology Lab

Prerequisite: concurrent enrollment in BIO 637.

Laboratory portion of BIO 637. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 538. Cannot receive credit for both BIO 538 and BIO 638.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Summer |

BIO 639 Biogeography

Recommended Prerequisite: general biology I and II courses. Study of patterns of distribution of organisms in space and in time. May be taught concurrently with BIO 539. Cannot receive credit for both BIO 539 and BIO 639.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

BIO 640 Applications of Molecular Markers

Recommended Prerequisite: genetics course. Introduction to the use of molecular markers in biological research. Topics covered include methods for identifying genetic variation at the molecular level and their applications to gene discovery, gene mapping, phylogenetics, forensics, conservation biology, and research in ecology and evolution. Students will complete research projects using one or more of the techniques learned. May be taught concurrently with BIO 540. Cannot receive credit for both BIO 640 and BIO 540.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 4 | 2 | 4 | Fall (odd-numbered years) |

BIO 641 Coastal Vegetation

Prerequisite: 10 hours of biology and permission of advisor or department head.

Recommended Prerequisite: general biology I and II courses. A broad study of the general and specific aspects of coastal vegetation, with emphasis on local examples. Vegetational composition, variation, succession, climax, and distribution. Includes aerial techniques, plant identification, delineation of vegetational types and mapping. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 534. Cannot receive credit for both BIO 534 and BIO 641.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

BIO 644 Plant Physiology

Recommended Prerequisite: organic chemistry course. Basic chemical and physical principles of plant function considering water relationships, nutrient transport, mineral nutrition, photosynthesis, respiration, and phytohormones. May be taught concurrently with BIO 544. Cannot receive credit for both BIO 544 and BIO 644.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Upon demand |

BIO 647 Water Resources

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with GLG 647. Cannot receive credit for both BIO 647 and GLG 647. May be taught concurrently with BIO 547. Cannot receive credit for both BIO 647 and BIO 547.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

BIO 650 Statistical Methods for Biologists

Recommended Prerequisite: genetics course and pre-calculus mathematics course. Scientific methodology, experimental design, statistical analysis, and data interpretation applied to biological questions. May be taught concurrently with BIO 550. Cannot receive credit for both BIO 550 and BIO 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

BIO 651 Experimental Design for Biologists

Recommended Prerequisite: statistics course. The design and analysis of biological experiments, with an emphasis on the choice and interpretation of inferential statistics. Topics covered include causal inference, statistical power, general linear models, and repeated measures designs. The use of computer software to analyze real data sets from the biological literature is emphasized. May be taught concurrently with BIO 551. Cannot receive credit for both BIO 551 and BIO 651.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Spring |

BIO 654 Marine Ichthyology

Prerequisite: 16 hours of biology and permission of advisor or department head.

Recommended Prerequisite: General Biology I and II, Genetics and Comparative Vertebrate Anatomy. This course provides the student with a strong general background in the biology of marine fishes. Emphasis placed on the principles involved in the classification and taxonomy of marine and estuarine fishes. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 555. Cannot receive credit for both BIO 555 and BIO 654.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

BIO 655 Developmental Biology

Recommended Prerequisite: cell biology course. An in-depth study of the molecular and cellular mechanisms involved in the development of vertebrate, invertebrate, and plant systems. Lectures will emphasize fertilization, morphogenesis, differentiation, induction, regeneration, and neoplasia. Laboratory exercises will emphasize techniques utilized by developmental biologists. Review of current literature and poster presentations will be required. May be taught concurrently with BIO 355. Cannot receive credit for both BIO 355 and BIO 655.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

BIO 656 Marine Ichthyology Lab

Prerequisite: concurrent enrollment in BIO 654.

Laboratory portion of BIO 654. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 556. Cannot receive credit for both BIO 556 and BIO 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Summer |

BIO 657 Marine Fisheries Management

Prerequisite: permission of instructor; and concurrent enrollment in BIO 658.

A course designed to familiarize students with practical marine fisheries management problems in today's real world. Covers the international and local, economic, social, legal, and political, as well as biological factors that are considered in decisions directed toward achieving optimum sustainable yield from marine resources. The history of management schemes, sources of information, current status of fishing technology, management methods, legal problems and educational needs are explored. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 557. Cannot receive credit for both BIO 557 and BIO 657.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

BIO 658 Marine Fisheries Management Lab

Prerequisite: concurrent enrollment in BIO 657.

Laboratory portion of BIO 657. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 558. Cannot receive credit for both BIO 558 and BIO 658.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Summer |

BIO 659 Population Genetics and Evolutionary Mechanisms

Recommended Prerequisite: evolution course and statistics course. The theory of genetic variation in populations, with emphasis on quantitative description of the mechanisms of biological evolution. May be taught concurrently with BIO 560. Cannot receive credit for both BIO 560 and BIO 659.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BIO 661 Environmental Issues Education and Interpretation

Prerequisite: permission of instructor.

Discussion of environmental issues, practical experiences in teaching environmental concepts, and awareness of environmental resource materials for the formal and nonformal educational setting. May be taught concurrently with BIO 561. Cannot receive credit for both BIO 661 and BIO 561

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Upon demand |

BIO 662 Limnology

Recommended Prerequisite: ecology course; and one year of college chemistry. Physical, chemical, and biological characteristics of lakes and reservoirs. Laboratory includes mapping, lake models, water chemistry, and surveys of diversity and abundance. Two all-day Saturday labs required. May be taught concurrently with BIO 562. Cannot receive credit for both BIO 562 and BIO 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Fall |

BIO 663 Population Ecology

Recommended Prerequisite: ecology course and pre-calculus mathematics course. Discussion of factors controlling the distribution and abundance of populations. Quantitative description of population dynamics is emphasized. May be taught concurrently with BIO 563. Cannot receive credit for both BIO 563 and BIO 663.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 2 | 2 | Spring (even-numbered years) |

BIO 664 Ozarks Natural Communities

Recommended Prerequisite: BIO 367 and BIO 368. Examination of forests, glades, and aquatic habitats with focus on environmental issues in the Ozarks. Integration into formal and non-formal educational settings will be covered. May be taught at the Bull Shoals Field Station. May be taught concurrently with BIO 564. Cannot receive credit for both BIO 664 and BIO 564.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Upon demand |

BIO 665 Marine Ecology

Prerequisite: 16 hours of biology and permission of advisor or department head.

Recommended Prerequisite: General Biology I and II. A consideration of the relationship of marine organisms to their environment includes the effects of temperature, salinity, light, nutrient concentration, currents, and food on the abundance and distribution of marine organisms. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. Concurrent enrollment in BIO 566 required. May be taught concurrently with BIO 565. Cannot receive credit for both BIO 565 and BIO 665.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

BIO 666 Marine Ecology Lab

Prerequisite: concurrent enrollment in BIO 665.

Laboratory portion of BIO 665. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 566. Cannot receive credit for both BIO 566 and BIO 666.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Summer |

BIO 668 Physiological Ecology

Recommended Prerequisite: ecology course; and general physiology or plant physiology or human physiology course. Physiological adaptations of plants and animals to environmentally stressful conditions and to ecological/evolutionary pressures. May be taught concurrently with BIO 567. Cannot receive credit for both BIO 567 and BIO 668.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 4 | 4 | 0 | Spring (odd-numbered years) |

BIO 671 Comparative Animal Physiology

Recommended Prerequisite: general physiology or human physiology course. Organ/system function in a wide range of invertebrate and vertebrate animals. May be taught concurrently with BIO 571. Cannot receive credit for both BIO 571 and BIO 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 4 | 3 | 3 | Spring (odd-numbered years) |

BIO 673 Ornithology

Prerequisite: 12 hours of biology.

Taxonomy, distribution, life histories and ecology of birds; emphasis on Missouri forms. Early morning field trips required. May be taught concurrently with BIO 573. Cannot receive credit for both BIO 573 and BIO 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BIO 674 Aquatic Entomology

Aquatic insects, ecology and taxonomy with emphasis on field applications. One weekend field trip required. May be taught concurrently with BIO 574. Cannot receive credit for both BIO 574 and BIO 674.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 3 | Upon demand |

BIO 675 Ichthyology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of fish with emphasis on Missouri forms. May be taught concurrently with BIO 575. Cannot receive credit for both BIO 575 and BIO 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

BIO 676 Herpetology

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of amphibians and reptiles with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 576. Cannot receive credit for both BIO 576 and BIO 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

BIO 677 Mammalogy

Prerequisite: 12 hours in biology.

Taxonomy, distribution, life histories and ecology of mammals with emphasis on Missouri forms. One weekend field trip required. May be taught concurrently with BIO 577. Cannot receive credit for both BIO 577 and BIO 677.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

BIO 678 Behavioral Ecology

Recommended Prerequisite: ecology course and statistics course. Fundamental principles of animal behavior with an emphasis on the study of the ecological and evolutionary processes that influence behavior. May be taught concurrently with BIO 578. Cannot receive credit for both BIO 578 and BIO 678.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

BIO 679 Conservation Biology

Recommended Prerequisite: genetics course and ecology course. An in-depth examination of the science of conservation from a biological perspective, with an examination of ethical and legal aspects of conservation. May be taught concurrently with BIO 579. Cannot receive credit for both BIO 579 and BIO 679.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BIO 680 Vertebrate Anatomy and Evolution

Vertebrate gross anatomy. Phylogeny and present status of organ systems in vertebrates. May be taught concurrently with BIO 380. Cannot receive credit for both BIO 380 and BIO 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

BIO 685 Marine Conservation

An overview of current issues related to the conservation and management of marine organisms, with emphasis on marine species and habitats exploited or endangered by human actions. BIO 485 may be taught concurrently with BIO 685. Cannot receive credit for both BIO 685 and 485.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Summer |

BIO 686 Fish Ecology

Recommended Prerequisite: ecology course and ichthyology course. The biology of fishes in relation to environmental conditions at the individual, population, and community levels. May be taught concurrently with BIO 584. Cannot receive credit for both BIO 584 and BIO 686.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BIO 687 Marine Invertebrate Zoology

Prerequisite: 16 hours in biology; and concurrent enrollment in BIO 688.

A concentrated study of the free-living marine and estuarine invertebrates of Mississippi Sound and adjacent bayous, salt marshes, barrier islands, and the nearshore continental shelf of the northeastern Gulf of Mexico. Course emphasizes structure, classification, phylogenetic relationships, larval development, functional processes, and ecological aspects of Gulf of Mexico invertebrates and their natural assemblages. Advanced undergraduates and graduate students may be asked to conduct independent, short-term research projects during the course. Must be taken at the Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with BIO 587. Cannot receive credit for both BIO 587 and BIO 687.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Summer |

BIO 688 Marine Invertebrate Zoology Lab

Prerequisite: concurrent enrollment in BIO 687.

Laboratory portion of BIO 687. May be taught concurrently with BIO 588. Cannot receive credit for both BIO 588 and BIO 688.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 0 | 6 | Summer |

BIO 689 Game Management

Recommended Prerequisite: wildlife management course. Management of game birds and mammals for recreational utilization. May be taught concurrently with BIO 589. Cannot receive credit for both BIO 589 and BIO 689.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BIO 697 Topics in Biology

Prerequisite: permission of instructor.

A variable content course to provide for the offering of selected topics in biology on a one time or first-time basis. May be repeated for credit when topic varies. May be taught concurrently with BIO 597. Cannot receive credit for both BIO 597 and BIO 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

BIO 710 Topics in Microbial Physiology

Topics of interest in microbial physiology will be discussed. These may include, cell structure, energy production, fermentation, nitrogen metabolism, protein and nucleic acid syntheses, regulation of gene expression, and dynamics of cell growth. Lecture will supplement discussion sessions.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

BIO 712 Advanced Immunology

Recommended Prerequisite: immunology course. Cellular aspects of the immune system.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

BIO 725 Advanced Limnology

Recommended Prerequisite: limnology course. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed. Prerequisite: BIO 562. Advanced concepts of biological, chemical and physical limnology. Recent symposia, reviews, and primary literature are discussed.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

BIO 726 Advanced Limnology Methods

Recommended Prerequisite: limnology course. Research and practical application of modern limnological methods are taught.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Upon demand |

BIO 728 Recent Advances in Biology

Prerequisite: permission of instructor.

Selected topics in biology to be discussed using original literature as the focal point. Variable content course. May be repeated when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Fall, Spring |

BIO 730 Advanced Topics in Biology

Prerequisite: permission of instructor.

Individual study in biology; may include literature, field and/or laboratory work. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |

BIO 734 Advanced Plant Taxonomy

Prerequisite: permission of instructor.

Philosophy and principles of modern taxonomic procedures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 2 | 4 | Upon demand |

BIO 755 Advanced Developmental Biology

Recommended Prerequisite: developmental biology course. This course delves deeper into topics introduced in BIO 355 and 655, and will explore other subjects not previously covered. Topics discussed may include, but are not limited to, fertilization (how do sperm and eggs mature, and how does fertilization occur?), organ size determination (what controls the size and correct proportions of organs during development), organ/embryo patterning (how does an embryo know which side will become the left and which will become the right?), organogenesis (how is a branching pattern created in developing blood vessels?), ecological developmental biology (how does climate change affect development of an organism?), and evolutionary developmental biology (how do cavefish develop without eyes, despite their eye bearing ancestors?).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

BIO 760 Topics in Teaching Biology

Prerequisite: permission of instructor.

Biological concepts, information, practical experiences, and use of resource materials in the elementary and secondary classroom. Variable content course. May be repeated when topic varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

BIO 767 Advanced Vertebrate Zoology

Evolutionary relationships of living and extinct vertebrates; analysis of geographic distribution and adaptive radiation. Includes field/lab experiences to be arranged.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

BIO 790 Degree Paper

Prerequisite: permission of advisor.

Extensive paper on selected topics. Exclusively satisfies requirements for non-thesis option, which also requires one BIO 790 paper to be presented orally to the department. May be repeated to a maximum of four hours. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

BIO 794 Scientific Writing

Organization and methods in scientific writing. Included are discussion of literature searching, scientific methodology, experimental design, proposal writing, figure preparation, editing and oral presentation. Recommended for graduate students in biology, preferably during the first year of graduate study.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall |

BIO 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

BIO 798 Research

Prerequisite: permission of advisor.

Supervised research in special biology areas. May be repeated, but no more than six hours may be counted towards the MS degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

BIO 799 Thesis

Prerequisite: permission of advisor.


Independent study connected with preparation of thesis. May be repeated, but no more than six hours may be counted towards the MS degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |





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D. Alexander Wait, Graduate Director

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Program description

The Department of Biology offers a Master of Science in Biology, participates in the Master of Natural and Applied Science (MNAS) and the Master of Science in Plant Science, and in conjunction with the College of Education, the Master of Science in Education with emphases in biology and natural science. Together with an advisor, students design an individual program of study, selecting courses that provide additional background in biology as well as developing an area of concentration.

Areas of research include animal behavior, aquatic biology, cellular biology, ecology, ecotoxicology, evolution, field biology, immunology, microbiology, physiology, systematics, and wildlife conservation. During the first

semester, the student declares an area of specialization and begins to pursue a research problem (thesis) with the close supervision of a graduate faculty thesis committee.

Most course work is usually completed by the end of the second or third semester, and the thesis option is completed after four or five semesters (or a student petitions for the non-thesis option; see below). A comprehensive examination is taken during the second year. A maximum of 9 hours of approved graduate courses taken in related subjects outside the Biology department may be counted.

This graduate program has been designed to provide opportunities for continued study and mastery of new skills for those who desire to maintain or increase their competence in biology and its allied environmental and health-related fields. Some students completing the program have continued their education in doctoral programs, while others have accepted positions as ecologists, conservationists, industrial laboratory supervisors, research assistants, or teachers in secondary schools or colleges.

Graduate assistantships

Evaluation of applications for teaching assistantships begins on February 15 (fall assistantships) and October 1 (spring assistantships), and will continue until positions are filled. Applicants must first be accepted into the program, and files must be complete to be considered. Therefore, applicants should apply by January 15/Sept 15 to ensure being considered for a TA position. Applications for research assistantships should be sent directly to individual faculty advisors, and not the Graduate Director.

Retention requirements

To remain in the program, a student must maintain a GPA of 3.00 and make satisfactory progress on the research project.

Admission requirements for the Accelerated Master's option

1. Junior standing, a GPA in biology of 3.25 or better and an overall GPA of 3.25 or better.
2. Completion of [BIO 121](#), [BIO 122](#), [BIO 235](#), [BIO 369](#), [BIO 310](#) or [BIO 320](#) or [BIO 361](#); [CHM 201](#) and [CHM 202](#) or [CHM 342](#); [MTH 138](#) or [MTH 135](#) and [MTH 181](#) with an overall GPA of 3.25 or better.
3. Undergraduate laboratory or field research experience in residence in the Department of Biology with a supportive recommendation from the student's undergraduate research advisor. [Note: undergraduate research experience at another university conducted in collaboration with Missouri State University Biology faculty may be considered.]
4. GRE scores commensurate with the advanced standing of this option.
5. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate research advisor.
6. Acceptance of the applicant by the graduate faculty in Biology under the accelerated masters option.

Accelerated Master's Degree option

Eligible Missouri State University majors in biology may apply for preliminary acceptance into the Master of Science program in Biology after admission requirements for the accelerated masters option have been satisfied. {Note: biology majors at other universities approved for participation in this program may apply if they meet the requirements below.} If accepted, graduate courses chosen from approved 600 or 700-level courses may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours counted. This option offers an opportunity for biology majors with undergraduate laboratory research experience to complete the course requirements for the Master of Science degree in Biology in two semesters

and a summer after attaining the Bachelor's degree, rather than the typical four semesters and a summer. Contact the Department of Biology for further information and guidelines.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the courses toward the masters degree, an undergraduate student must be accepted into the accelerated program and complete a mixed credit form. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the "Graduate College" section for further information.

Entrance requirements

1. The student must have a minimum of 24 undergraduate hours (or equivalent) in biology. In the case of a student whose preparation for formal graduate study is judged to be inadequate (including cognate areas such as chemistry, physics, or mathematics), a program of prerequisite course work may be outlined for the purpose of properly supplementing his/her preparation. Such courses will not be credited as course requirements for the degree.
2. Candidates for admission to programs in biology are required to have a GPA of at least 2.75 (on a 4.00 scale) for the last 60 semester hours of undergraduate work and a 3.00 average in biology. A GPA of at least 3.00 is required to be considered for a graduate assistantship.
3. Scores from the Graduate Record Examination (GRE), General Test must be submitted.
4. A statement of interest and three letters of reference are required for admission to the degree program.

Degree requirements (32 hours total)

1. **Program of Study.** The program for each candidate will be structured by the candidate's committee in consultation with the student, and must include at least 32 semester hours of graduate credit. Evaluation of previous training and academic objectives will be important factors in establishing this program.
2. **Biology Requirement** (minimum 23 semester hours). A minimum of 16 hours of biology from courses numbered 700-799 inclusive.
3. **Electives** (maximum 9 semester hours). Approved graduate courses may be selected from related fields to a maximum of 9 hours. Any deviation from this maximum will require approval by department head.
4. **Research.** For both options, the student is required to give an oral presentation of his/her work to the Department.
 - a. *Thesis Option:* Completion of a satisfactory thesis in the candidate's discipline (maximum of 6 hours of [BIO 798](#) and 6 hours of [BIO 799](#)).
 - b. *Non-thesis Option:* After an unsuccessful attempt at a thesis, and with the permission of the thesis committee and department head, a student may switch to a non-thesis option. This requires the completion of a minimum of two degree papers, each of which shall require an extensive paper or major creative work. Four hours of [BIO 790](#) and four hours of [BIO 798](#) may be counted toward this degree under this option.
5. **Comprehensive Examination.** Both a written and an oral comprehensive examination must be passed by the candidate before a degree will be granted.

The written examination is taken after most of the course work has been completed, and is written and evaluated by the student's thesis committee. The examination can include comprehensive questions in biology and questions specific to the area of study chosen by the student. The use of computers is encouraged, where appropriate, for the written examination. The oral examination follows the presentation





of the student's thesis research or degree paper to the faculty. The examination tests the student's understanding of the research or degree paper.



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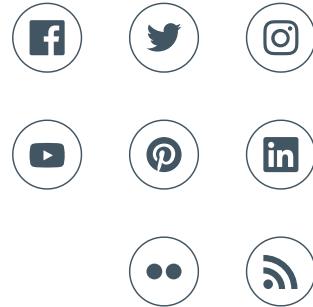
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Graduate College

Graduate Catalog

Natural and Applied Science (Interdisciplinary Program)



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Natural and Applied Science

Director: **Kyoungtae Kim**

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assisitships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.



Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



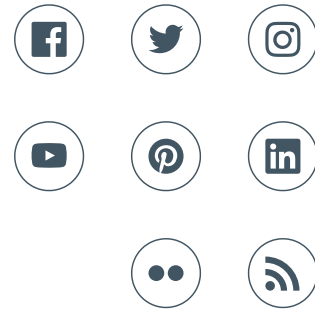


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Plant Science



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Graduate programs

Master of Science, Plant Science

Chin-Feng Hwang, Program Director

Karls Hall, Room 224; Phone 417-836-5088

[ChinFengHwang@missouristate.edu](mailto:ChinFengHwang@MissouriState.edu) (mailto:ChinFengHwang@MissouriState.edu)

Program description

This program is designed to prepare students to work in a wide range of jobs related to the production and economic uses of plants. Employment opportunities include the areas of crop, fruit and vegetable production, biotechnology, nursery and seed production, landscape management, wine production, environmental preservation, agribusiness, teaching, research, and extension education. Students may also continue their education in a doctoral program.

The Master of Science in Plant Science is offered as an interdepartmental major from the departments of Environmental Plant Science, Biology or Chemistry. Together with the plant science program coordinator, the

student selects an advisor from one of the four departments. The student and advisor design an individual program of study, selecting courses which will help the student to achieve his/her career goals.

During the first semester, the student declares an area of specialization and begins to pursue a research problem (project) with close supervision of a graduate faculty advisory committee. Research areas include fruit production, soils and plant nutrition, ornamental plants and landscaping, plant physiology, enology and viticulture, crop management systems, plant genetics, and economic botany.

Most course work is usually completed by the end of the second or third semester, and the research and thesis completed after four or five semesters. A comprehensive exam is taken during the second year.

Graduate assistantships

Evaluation of applications for assistantships begins on March 1 (fall assistantships) and October 1 (spring assistantships), and will continue until positions are filled. Applicants must first be accepted into the program, and files must be complete to be considered.

Retention requirements

To remain in the program, students must maintain a GPA of 3.00 and make satisfactory progress on the thesis research.

Admission requirements

Students admitted to the plant science program in full standing must meet the following requirements.

1. The student must meet all Graduate College Admission requirements. Students who do not meet the grade point standards outlined, but are admitted on the basis of their GRE scores, will be required to complete a minimum of 9 hours of specified graduate courses with a GPA of at least 3.00 before being approved for an Advisory-approved Program of Study in the program.
2. The student must submit Graduate Record Examination (GRE) scores from the General Test portion.
3. International applicants are also required to submit a score for the Test of English as a Foreign Language (TOEFL) of not less than 79 on the internet-based test.
4. The student must possess an undergraduate degree with a background in an appropriate natural or applied science including one semester of genetics and one semester of organic chemistry or equivalents thereof. Applicants lacking the background courses may be admitted, but will be required to complete any of these deficiencies with appropriate course work.
5. The student must receive a positive evaluation from the Graduate Coordinator of the Plant Science program before being recommended to the Graduate College for admittance into the program.

Accelerated Master's Degree option

Missouri State University majors in Agriculture, Biology, and Chemistry have the option to apply for preliminary acceptance into the MS in Plant Science program if they meet the requirements of the accelerated master's option. This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Environmental Plant Science, Biology or Chemistry at Missouri State University. Students who are accepted to the accelerated program will be able to count a maximum of 12 credit hours of 600-or higher level course towards both their undergraduate and graduate degrees. The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or

ornamental plants and landscaping. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology or Chemistry majors to potentially meet the requirements for the MS in Plant Science degree within two semesters following the completion of the undergraduate degree. Contact the Plant Science Program Director for details and additional information.

To be allowed to enroll in a course which is counted toward both the undergraduate and graduate degree, the student must be accepted as an advisee by a graduate faculty member and must be admitted into the accelerated program and have the permission of his/her undergraduate advisor, the Plant Science Program Director and the Dean of the Graduate College. These signature approvals are shown on the Mixed Credit Form which is required prior to the end of the Change of Schedule Period for the selected semester.

Admission Requirements for the Accelerated Master's option

1. Junior or senior standing and a GPA of 3.25 or higher.
2. A minimum of 25 credit hours of undergraduate hours relevant to plant biology (as determined by the undergraduate advisor, the student's research mentor, and the Plant Science Program Director) with a GPA of 3.50 or higher.
3. Laboratory research experience relevant to plant science under the direction of a faculty member in Agriculture, Biology or Chemistry at Missouri State University.
4. Acceptance of the student as an advisee by a member of the MS in Plant Science Graduate Faculty.
5. Approval by the MS in Plant Science Graduate Advisory Committee.

Degree requirements (32 hours)

1. **Graduate Advisory Committee.** Initially, each admitted student will be advised by the graduate coordinator of the Plant Science program. As soon as possible, the student, in conjunction with the graduate coordinator, will select a graduate faculty member from one of the four participating departments to chair a graduate advisory committee. Together with the student, the chairperson of the graduate advisory committee will select a minimum of two additional graduate faculty members from one or more of the participating departments. This committee will supervise the remainder of the candidate's program.
2. **Program of Study.** If not a part of the student's previous academic experience, courses in plant physiology ([BIO 644](#)) and biometry ([BIO 650](#)) or applied statistics ([MTH 645](#)) must be completed within the first year of the program. The remainder of the candidate's program will be structured by the advisory committee in consultation with the student. Academic background, professional experience, and career objectives will be considered in establishing the individual's program.
3. **Course Requirements.** The student is required to successfully complete a minimum of 32 hours. Course work taken from the Departments of Agriculture, Biology, Chemistry, Fruit Science, or Mathematics must total at least 23 hours with a minimum of 16 hours from courses numbered 700 through 799 inclusive.
4. **Colloquium.** Two hours of credit must be earned in [AGP 700](#), Plant Science Colloquium.
5. **Electives.** Upon approval of the advisory committee, graduate courses from related fields may be selected to a maximum of 9 hours within the 32-hour degree requirement.
6. **Research Requirement.**

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree. An oral defense of the thesis is required.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report Form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.




7. **Qualifying Examination.** A written qualifying examination will be administered after most of the course work has been completed. This examination must be passed by the candidate before a degree will be given.



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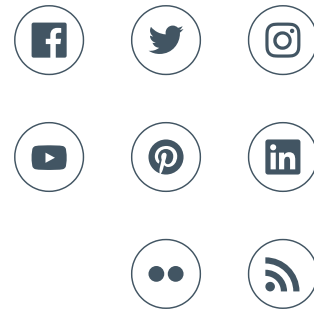
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Graduate Catalog

Secondary Education: Biology Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Biology Area of Emphasis

Contact Dr. Georgianna Saunders for biology requirements.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Biology requirements


Biology courses that includes a minimum of 3 hrs in courses numbered 700 or above to **total 15 hours**.




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Secondary Education: Natural Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Natural Science Area of Emphasis

Contact area of emphasis advisor Dr. Tamera Jahnke.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Natural Science prerequisite and requirements

In this option, students complete a minimum of 15 hours with course work selected from two of the following disciplines: Biology, Chemistry, Geography and/or Geology, Mathematics, and Physics.

A minimum of 3 hours of course work numbered 700 or above must be included.

The prerequisite requirements are those listed in the departmental statements of both selected academic areas of emphasis.





1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs



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Missouri State


Graduate College

Graduate Catalog

Department of Chemistry


Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Chemistry \(MS\)](#) 

[Natural and Applied Science with an area of emphasis in Chemistry \(MNAS\)](#) 

[Plant Science \(MS\)](#) 

[Secondary Education: Chemistry Area of Emphasis \(MSEd\)](#)

[Secondary Education: Natural Science Area of Emphasis \(MSEd\)](#)

Program Description

This program is designed to prepare students to work in industrial or governmental chemistry laboratories, or to pursue doctoral studies in chemistry.

Contact

Department head

Adam Wanekaya

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(<https://chemistry.missouristate.edu/>)




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Chemistry Graduate Faculty

Distinguished professor

Eric Bosch

Professors

Richard N. Biagioni

Bryan E. Breyfogle

Nikolay N. Gerasimchuk

Reza Sedaghat-Herati

Tamera S. Jahnke

Mark M. Richter

G. Alan Schick

Associate professors

Gautam Bhattacharyya

Gary A.J. Meints

Matthew R. Siebert

Erich D. Steinle

Adam K. Wanekaya

Assistant professors

Natasha DeVore

Cyren Rico

Fei Wang

Keiichi Yoshimatsu

Emeritus professors

Dean Cuebas

Robert L. Ernst

Wyman K. Grindstaff

James F. O'Brien

Ralph W. Sheets

Shujun Su

Vernon J. Thielmann

Clifton C. Thompson


Paul M. Toom

Anthony Toste


James M. Wilbur, Jr.




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Missouri State

Graduate College

Graduate Catalog

Chemistry Courses

Chemistry (CHM) courses

CHM 602 Instrumental Analysis

Prerequisite: "C-" or better in CHM 201 or CHM 342; and "C-" or better in CHM 302.

Recommended Prerequisite: PHY 124 or PHY 204. Applications of instrumental methods for the separation and analysis of materials; included are potentiometry, photometry and chromatography. May be taught concurrently with CHM 502. Cannot receive credit for both CHM 502 and CHM 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CHM 603 Instrumental Analysis Laboratory

Prerequisite: Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 502 or CHM 602 or concurrent enrollment.

A laboratory course emphasizing applications of instrumental methods for the separation and analysis of materials. The course is designed to reflect and supplement the scope of CHM 602. Included are laboratory exercises in potentiometry, spectrophotometry, and chromatography. May be taught concurrently with CHM 503. Cannot receive credit for both CHM 503 and CHM 603.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 3 | Fall |

CHM 604 Fundamentals of Physical Chemistry

Prerequisite: permission.

A one semester introduction to physical chemistry including the following topics: thermodynamics, chemical equilibrium, chemical kinetics, atomic and molecular structure, and spectroscopy. Cannot count toward the BS or MS degrees in Chemistry. May be taught concurrently with CHM 504. Cannot receive credit for both CHM 504 and CHM 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CHM 605 Fundamentals of Physical Chemistry Laboratory

Prerequisite: CHM 504 or CHM 604 or concurrent enrollment.

Experiments in physical chemistry employing principles and techniques reflecting materials presented in CHM 604. May be taught concurrently with CHM 505. Cannot receive credit for both CHM 605 and CHM 505.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 3 | Spring |

CHM 606 Physical Chemistry I

Prerequisite: "C-" or better in CHM 170; and MTH 280 or MTH 288 or concurrent enrollment in MTH 280 or MTH 288.

Recommended Prerequisite: MTH 302; and PHY 124 or PHY 204. First semester of a two-semester series covering aspects of quantum mechanics, classical and statistical thermodynamics, spectroscopy, kinetic theory of gases, and chemical kinetics. A grade of "C-" or better is required in this course in order to take CHM 607. May be taught concurrently with CHM 506. Cannot receive credit for both CHM 606 and CHM 506.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CHM 607 Physical Chemistry II

Prerequisite: "C-" grade or better in CHM 506 or 606.

Recommended Prerequisite: CHM 375. Second semester of a two-semester series that builds upon and completes the topics introduced in CHM 606. May be taught concurrently with CHM 507. Cannot receive credit for both CHM 607 and CHM 507.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CHM 608 Physical Chemistry Laboratory I

Prerequisite: "C-" or better in CHM 302; and "C-" or better in CHM 506 or CHM 606 or concurrent enrollment in CHM 506 or CHM 606.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 506 or 606. May be taught concurrently with CHM 508. Cannot receive credit for both CHM 608 and CHM 508.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall |

CHM 609 Physical Chemistry Laboratory II

Prerequisite: CHM 507 or CHM 607 or concurrent enrollment; and CHM 508 or CHM 608.

Experiments in physical chemistry employing principles and techniques reflecting material presented in CHM 507 or 607. May be taught concurrently with CHM 509. Cannot receive credit for both CHM 609 and CHM 509.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Spring |

CHM 614 Polymer Chemistry

Prerequisite: "C-" or better in CHM 343; and CHM 505 or CHM 605 or CHM 506 or CHM 606.

Morphology and chemical structure, polymer characterization, chemical structure and polymer properties, vinyl and non-vinyl polymers and mechanism of formation. Inorganic and partially inorganic polymers. May be taught concurrently with CHM 514. Cannot receive credit for both CHM 514 and CHM 614.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

CHM 635 Investigations in Chemistry for Teachers

Prerequisite: coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.

Techniques in performing science investigation with application to secondary and middle school science. May be taught concurrently with CHM 435. Cannot receive credit for both CHM 435 and CHM 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 1 | 0 | 2 | Spring (odd-numbered years) |

CHM 642 Advanced Organic Chemistry

Prerequisite: "C-" grade or better in CHM 343.

Advanced discussion of structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic chemistry. Polar, free-radical, pericyclic, and organometallic reactions beyond Organic Chemistry I and II will be discussed. May be taught concurrently with CHM 542. Cannot receive credit for both CHM 542 and CHM 642.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CHM 654 Biochemistry I

Prerequisite: "C-" or better in CHM 343.

Recommended Prerequisite: BIO 121 or BMS 110 and 111. Structure and function of biomolecules: proteins, enzymes, nucleic acids, carbohydrates, lipids and membranes. May be taught concurrently with CHM 554. Cannot receive credit for both CHM 554 and CHM 654.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Upon demand |

CHM 655 Biochemistry Laboratory I

Prerequisite: CHM 554 or CHM 654 or concurrent enrollment.

A series of multidimensional biochemical experiments designed to explore the biochemical literature, scientific report writing, and the biochemical techniques used to isolate and study biomolecules. May be taught concurrently with CHM 555. Cannot receive credit for both CHM 555 and CHM 655.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Fall, Upon demand |

CHM 656 Biochemistry II

Prerequisite: "C-" or better in CHM 554 or CHM 654.

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 556. Cannot receive credit for both CHM 556 and CHM 656.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------|
| 3 | 3 | 0 | Spring, Upon demand |

CHM 657 Biochemistry Laboratory II

Prerequisite: CHM 555 or CHM 655; and CHM 556 or CHM 656 or concurrent enrollment.

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. May be taught concurrently with CHM 557. Cannot receive credit for both CHM 557 and CHM 657.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Upon demand |

CHM 660 Chemistry of Environmental Systems: Water and Land

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Chemistry of water and soil, water treatment, agricultural chemistry, and related topics. May be taught concurrently with CHM 460. Cannot receive credit for both CHM 460 and CHM 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CHM 661 Chemistry of Environmental Systems: Air and Energy

Recommended Prerequisite: some advanced coursework in chemistry, geosciences, biology, or related fields. Atmospheric chemistry; pollution issues related to power production and transportation; energy sources and fuels. May be taught concurrently with CHM 461. Cannot receive credit for both CHM 661 and CHM 461.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CHM 662 Chemistry of Environmental Systems Laboratory

Prerequisite: CHM 660 or concurrent enrollment.

Techniques and procedures for environmental monitoring to test natural samples. Applications and limitations of wet chemical and instrumental methods such as atomic absorption, gas chromatography, and absorption spectrophotometry. May be taught concurrently with CHM 462. Cannot receive credit for both CHM 462 and CHM 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 0 | 4 | Spring |

CHM 673 Inorganic Chemistry

Prerequisite: "C-" grade or better in CHM 170.

Atomic structure, chemical bonding, acid/base and reduction/oxidation concepts, reactivity of inorganic compounds, chemistry of main group elements, fundamentals of coordination theory. A grade of "C-" or better is required in this course in order to take CHM 675. Cannot count toward the MS degree in Chemistry. May be taught concurrently with CHM 375. Cannot receive credit for both CHM 375 and CHM 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CHM 675 Advanced Inorganic Chemistry

Prerequisite: "C-" or better in CHM 375.

Theories and techniques of modern inorganic chemistry; correlation of theories with inorganic compounds. May be taught concurrently with CHM 575. Cannot receive credit for both CHM 575 and CHM 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CHM 696 Chemistry Careers

Students will develop a familiarity with campus resources for finding employment and/or further educational training upon graduation. Emphasis will be given to writing scientific resumes and cover letters, familiarization with job-hunting resources and professional ethics, and researching chemistry careers, employers, and graduate schools. Outside speakers from chemistry-related employers and graduate programs will be invited, and interaction with the Career Center will be required. May be taught concurrently with CHM 498. Cannot receive credit for both CHM 696 and CHM 498.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

CHM 697 Special Topics in Chemistry

Prerequisite: 18 hours of chemistry.

Selected topics of a theoretical or applied nature. May be repeated to a maximum of six hours with differing topics. May be taught concurrently with CHM 597. Cannot receive credit for both CHM 597 and CHM 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CHM 700 Chemistry Colloquium

Prerequisite: permission of department head.

A series of oral presentations on new developments in chemistry. Presentations to be made by faculty members, students, and guest speakers from industry and academe. One of the requirements of this course is an oral presentation. May be repeated, but not more than two hours may be counted toward the 32-hour requirement for the MS in Chemistry degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

CHM 701 Chemistry Seminar

Attendance at oral presentations on new developments in chemistry. Presentations may include those made by departmental faculty members, departmental graduate students, guest speakers from industry and academe and ACS tour speakers. All graduate students not enrolled in CHM 700 must be enrolled in CHM 701. Hours earned will not count toward the 32-hour requirement for the MS in Chemistry degree. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall, Spring |

CHM 702 Advanced Topics in Analytical Chemistry

Prerequisite: CHM 602.

An advanced topic in analytical chemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: electroanalytical methods, nanotechnology, forensic chemistry and data acquisition methods. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 710 Special Topics in Chemical Education

Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.

A single topic of current interest in the teaching of chemistry will be considered. May be repeated to a maximum of nine hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CHM 720 Advanced Topics in Physical Chemistry

Prerequisite: CHM 607 or permission of instructor.

An advanced topic in physical chemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: chemical kinetics, quantum chemistry, biophysical chemistry, and modern spectroscopic methods. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 735 Investigation in Chemistry for Teachers

Prerequisite: CHM 635 or concurrent enrollment; coursework sufficient to meet Missouri certification standards for secondary/middle school science teaching.

Techniques in performing science investigation with application to secondary and middle school science.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

CHM 742 Advanced Topics in Organic Chemistry

Prerequisite: CHM 642 or permission of instructor.

An in-depth study of an advanced topic in organic chemistry, entailing faculty lectures and student projects. Examples of proposed topics include: physical organic chemistry, medicinal chemistry, natural products, and spectroscopic characterization. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 752 Advanced Topics in Biochemistry

Prerequisite: CHM 656.

An advanced topic in biochemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: carbohydrates, the cell surface, and physical biochemistry. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 763 Advanced Topics in Environmental Chemistry

Prerequisite: permission.

An advanced topic in environmental chemistry will be addressed via faculty lectures and student projects. Examples of proposed topics include: Sampling methods, standardized testing, nanoparticles in the environment, and the impact of discarded emerging materials. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 770 Chemical Kinetics

Prerequisite: CHM 606.

Fundamental concepts of chemical kinetics and dynamics, from both macroscopic and molecular level perspectives. An emphasis will be placed on the interpretation of gas, liquid, surface and catalyst reaction kinetics and mechanisms.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 771 Chemical Bonding

Prerequisite: CHM 607.

Quantum mechanics; atomic and molecular structure; computational procedures. Independent study project required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 775 Advanced Topics in Inorganic Chemistry

Prerequisite: CHM 675 or permission of instructor.

An in-depth examination of a special topic in the area of inorganic chemistry, including faculty lectures and student projects. Examples of proposed topics include: organometallic chemistry, bioinorganic chemistry, solid-state materials, and crystal structure analysis. Variable content course. May be repeated to a maximum of six hours with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 790 Advanced Topics in Chemistry

Detailed treatment of various advanced topics in chemistry. Variable content course. May be repeated with differing topics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CHM 791 Preparation for Graduate Study in Chemistry

Prerequisite: admission to graduate program in Chemistry.

Orientation to graduate study in chemistry, including laboratory safety, scientific dissemination, and design of a research project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Fall, Spring |

CHM 792 Degree Paper in Chemistry

Prerequisite: 4 or more hours of CHM 798 and departmental permission.

Written research paper on a selected topic to be read and evaluated by an advisory committee and presented orally before a public audience. Exclusively satisfies requirements for non-thesis option.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CHM 793 Research Paper in Chemistry

Prerequisite: departmental permission.

Extensive paper on a selected topic to be read and evaluated by a faculty committee. Exclusively used to satisfy requirements for non-thesis option. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

CHM 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CHM 798 Research

Supervised research in special chemistry areas. May be repeated, but not more than six hours may be counted toward the 32-hour requirement for the MS degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |


CHM 799 Thesis

Independent research and study connected with preparation of thesis. Not more than 6 hours of CHM 799 may be counted toward the 32-hour requirement for the MS degree.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |




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Missouri State

Graduate College

Graduate Catalog

Chemistry Program



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Graduate programs

Master of Science, Chemistry

G. Alan Schick, Graduate Director

Temple Hall, Room 104, Phone 417-836-4161

AlanSchick@missouristate.edu (<mailto:AlanSchick@missouristate.edu>)

Program description

This program is designed to prepare students to work in industrial or governmental chemistry laboratories, or to pursue doctoral studies in chemistry.

Program objectives

Development of a sound knowledge of chemical principles, acquisition of outstanding research and communication skills, and attainment of an understanding and appreciation of applied chemistry and the importance of multidisciplinary approaches to the solution of scientific problems.

Areas of specialization include analytical chemistry, biochemistry, chemical education, environmental chemistry, inorganic chemistry, materials chemistry (including polymer chemistry and nanotechnology), organic chemistry, and physical chemistry.

Formal courses, graduate seminars, professional advisement, directed research, and an extensive written document (thesis or non-thesis) will be incorporated into a customized curriculum based on the individual's scholastic background and career goals. On completion of the program, students will have developed the skills needed for careers in chemical production, development, or research.

Assistantships and application deadlines

Initial review of applications for program admission begins March 1 for subsequent fall semesters and October 1 for subsequent spring semesters. Late applications may be considered based on program enrollment.

Evaluation of applications for teaching assistantships begins on April 1 for fall and November 1 for spring and will continue until positions are filled. Applicants for assistantships must first be accepted into the program, and files must be complete to be considered.

Entrance requirements

Students admitted to the graduate chemistry program in full standing must meet the following requirements:

1. A bachelor's degree from an accredited institution in the U.S. or equivalent training in a foreign university.
2. A minimum overall GPA of 3.00 on a 4.00 scale, or a minimum GPA of 3.00 on a 4.00 scale for the last 60 hours of course work.
3. Scores from the Verbal Reasoning, Quantitative Reasoning, and Analytical Writing sections of the Graduate Record Examination. Normally, students are expected to score at or above the 50th percentile on each section of the GRE. A waiver of this requirement may be requested for exceptional circumstances.
4. International applicants from countries not recognizing English as the primary official language are additionally required to submit a score for the Test of English as a Foreign Language (TOEFL) of not less than 550 (paper-based), 213 (computer-based), or 79 (internet-based) and with a minimum of 50th percentile on the Listening Comprehension Section.
5. A minimum undergraduate foundation in chemistry and supporting content consisting of two semesters of general chemistry with lab, two semesters of organic chemistry with lab, one semester of analytical chemistry with lab, one semester of inorganic chemistry, two semesters of calculus, and two semesters of college-level physics, all with grades of "C-" or better and with a combined GPA of not less than 3.00. Applicants lacking any of the foundation courses listed may not be admitted until the deficiencies are rectified with appropriate course.

Students who do not meet the grade point standards outlined above may be granted conditional admission to the program. As conditions of admission, students will be required to complete a minimum of 9 hours of specified graduate courses with a GPA of at least 3.00 to be advanced to full standing in the program.

Accelerated Master's Degree option

Eligible Missouri State University majors in chemistry may apply for preliminary acceptance into the Master of Science program in Chemistry after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from CHM 602, CHM 607, CHM 642, CHM 656 and CHM 675 may be counted towards both the undergraduate and graduate degrees, with a maximum of 12 credit hours counted towards both the undergraduate and graduate degrees. This option offers an opportunity for chemistry majors with undergraduate laboratory research experience to complete the requirements for the Master of

Science degree in Chemistry in two semesters and a summer after attaining the Bachelor's degree, rather than the typical four semesters and a summer.

Before enrolling in a course to be counted as mixed credit toward both undergraduate and graduate degrees, an undergraduate student must be accepted into the accelerated program. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule period for the course(s). See the Graduate College for further information.

Admission Requirements for Accelerated Master's Degree Option

1. Junior standing with an overall GPA of 3.20 or better.
2. Successful completion of each of the following courses, all with grades of "c-" or better and with a combined GPA of not less than 3.20: [CHM 160](#), [CHM 161](#), [CHM 170](#), [CHM 171](#), [CHM 302](#), [CHM 342](#), [CHM 343](#), [CHM 345](#), [CHM 375](#) and [CHM 399](#); [PHY 123](#) and [PHY 124](#) or [PHY 203](#) and [PHY 204](#); [MTH 261](#).
3. Undergraduate laboratory research experience in residence in the Department of Chemistry with a supportive recommendation from the student's undergraduate research mentor.
4. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate research mentor.
5. Acceptance of the applicant by the graduate faculty in Chemistry under the accelerated masters option.

Degree requirements (minimum of 32 hours)

1. **Proficiency Requirements.** Entering graduate students are required to show a minimal proficiency in four (4) of five (5) core areas of Chemistry - Analytical, Biochemistry, Inorganic, Organic and Physical - and an intermediate proficiency in at least two of the core areas. To accomplish this, incoming students during orientation week will choose four (4) proficiency exams from the five (5) core areas and will pass all four at a minimal level and at least two at an intermediate level. The exams are standardized assessments developed by the American Chemical Society to assess typical undergraduate content in the core areas. Students who do not achieve the prescribed test scores can meet the Proficiency Requirement by one of the following processes:
 - a. A student can retake and pass one or more proficiency exams prior to the beginning of the second semester of their graduate program (excluding summers). As part of this option it is assumed that the student will prepare for the second attempt(s) by independent study.
 - b. A student can meet the proficiency standard for a particular core area by passing an approved graduate-level course in the area with a grade of at least "B" (intermediate level) or "C" (minimal level).
2. **Advisory Committee.** Within the first semester, the student will select a graduate advisory committee consisting of a research advisor and at least three additional persons. The research advisor should be a member of the Chemistry faculty and will serve as Chair of the committee. At least one committee member, but not more than two, shall be from outside the chemistry department. The advisory committee will monitor research progress throughout the candidate's graduate program.
3. **Program of Study.** Students will be advised initially by the department graduate director. Within the first semester and after a research advisor has been identified, the candidate's program of study will be structured in consultation with the research advisor and departmental graduate director. Academic background, professional experience, placement test scores, and personal and professional objectives will be considered in establishing the individual's program.
4. **Chemistry Course Requirement.** A minimum of 20 hours in chemistry, with at least 6 hours of 700-level CHM courses numbered 702-790. Students must address a diverse coverage of chemistry in their programs of study by including at least three different sub-disciplines: Analytical, Biochemistry, Chemical Education, Environmental, Inorganic, Organic and Physical. Deficiencies in advanced undergraduate course work - that

is, the collective instructional content equivalent to the combination of [CHM 602](#), [CHM 606](#), [CHM 607](#), [CHM 642](#), and [CHM 675](#) - as determined from academic transcripts and/or test scores, may be included in the program of study. Course work hours from these inclusions will count toward the 32-hour program requirement as well as toward the sub-disciplinary diversity policy.


5. **Colloquium.** At least 1, but no more than 2 hours of credit must be earned in [CHM 700](#), Chemistry Colloquium.
6. **Interdisciplinary Electives.** Upon departmental approval, graduate courses from related fields may be included as part of the 32-hour degree requirement but no more than 6 hours may be counted from any single course code other than CHM.
7. **Research Requirement.** For all options, the student is required to give an oral presentation of his/her research to the Department.
 - a. Thesis Option: The maximum credit toward the 32-hour degree requirement is 6 hours of [CHM 798](#) and 6 hours of [CHM 799](#) with no more than 12 total hours of any combination of CHM courses numbered 791 or higher. Submission of a thesis is a specific requirement for the degree. The purpose of the thesis is to demonstrate competence in scientific research and the ability to: choose a research topic of scientific importance; conduct a comprehensive literature search of the problem; design and implement a plan of research; collect and interpret scientific data; and communicate results and interpretations to peers. An oral defense of the thesis is required.
 - b. Non-thesis Option: After an attempt at a research-based thesis, and with the permission of the thesis committee and department head, a student may switch to a non-thesis option. This option requires the production of two (2) extensive papers by completing [CHM 792](#) (3 hours) and [CHM 793](#) (1 hour), both of which will be read and evaluated by faculty committees and one of which ([CHM 792](#)) will be presented orally to a public audience and defended before the advisory committee. Four (4) hours (no more, no less) of [CHM 798](#) must be counted toward the degree under this option and additional approved 600- or 700-level course work hours will be taken as needed to fulfill the 32-hour program requirement.
8. **Comprehensive Examination.** A comprehensive examination will be administered after most of the course work has been completed. This examination must be passed by the candidate before a degree will be given.




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Missouri State

Graduate College

Graduate Catalog

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Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assisitships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.





Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



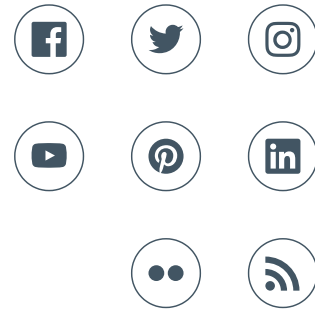


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Plant Science



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Graduate programs

Master of Science, Plant Science

Chin-Feng Hwang, Program Director

Karls Hall, Room 224; Phone 417-836-5088

[ChinFengHwang@missouristate.edu](mailto:ChinFengHwang@MissouriState.edu) (mailto:ChinFengHwang@MissouriState.edu)

Program description

This program is designed to prepare students to work in a wide range of jobs related to the production and economic uses of plants. Employment opportunities include the areas of crop, fruit and vegetable production, biotechnology, nursery and seed production, landscape management, wine production, environmental preservation, agribusiness, teaching, research, and extension education. Students may also continue their education in a doctoral program.

The Master of Science in Plant Science is offered as an interdepartmental major from the departments of Environmental Plant Science, Biology or Chemistry. Together with the plant science program coordinator, the

student selects an advisor from one of the four departments. The student and advisor design an individual program of study, selecting courses which will help the student to achieve his/her career goals.

During the first semester, the student declares an area of specialization and begins to pursue a research problem (project) with close supervision of a graduate faculty advisory committee. Research areas include fruit production, soils and plant nutrition, ornamental plants and landscaping, plant physiology, enology and viticulture, crop management systems, plant genetics, and economic botany.

Most course work is usually completed by the end of the second or third semester, and the research and thesis completed after four or five semesters. A comprehensive exam is taken during the second year.

Graduate assistantships

Evaluation of applications for assistantships begins on March 1 (fall assistantships) and October 1 (spring assistantships), and will continue until positions are filled. Applicants must first be accepted into the program, and files must be complete to be considered.

Retention requirements

To remain in the program, students must maintain a GPA of 3.00 and make satisfactory progress on the thesis research.

Admission requirements

Students admitted to the plant science program in full standing must meet the following requirements.

1. The student must meet all Graduate College Admission requirements. Students who do not meet the grade point standards outlined, but are admitted on the basis of their GRE scores, will be required to complete a minimum of 9 hours of specified graduate courses with a GPA of at least 3.00 before being approved for an Advisory-approved Program of Study in the program.
2. The student must submit Graduate Record Examination (GRE) scores from the General Test portion.
3. International applicants are also required to submit a score for the Test of English as a Foreign Language (TOEFL) of not less than 79 on the internet-based test.
4. The student must possess an undergraduate degree with a background in an appropriate natural or applied science including one semester of genetics and one semester of organic chemistry or equivalents thereof. Applicants lacking the background courses may be admitted, but will be required to complete any of these deficiencies with appropriate course work.
5. The student must receive a positive evaluation from the Graduate Coordinator of the Plant Science program before being recommended to the Graduate College for admittance into the program.

Accelerated Master's Degree option

Missouri State University majors in Agriculture, Biology, and Chemistry have the option to apply for preliminary acceptance into the MS in Plant Science program if they meet the requirements of the accelerated master's option. This option is tailored to those undergraduates who have acquired considerable plant science-related research experience in a laboratory through the departments of Environmental Plant Science, Biology or Chemistry at Missouri State University. Students who are accepted to the accelerated program will be able to count a maximum of 12 credit hours of 600-or higher level course towards both their undergraduate and graduate degrees. The courses must be in the area of economic botany, plant physiology, plant genetics, crop management systems, plant nutrition, soils, chemistry, ecology, fruit production, viticulture, enology, or

ornamental plants and landscaping. Courses to be counted toward both degrees must be identified jointly in agreement with the undergraduate advisor, the student's research mentor, and the Plant Science Program Director. This option will enable Agriculture, Biology or Chemistry majors to potentially meet the requirements for the MS in Plant Science degree within two semesters following the completion of the undergraduate degree. Contact the Plant Science Program Director for details and additional information.

To be allowed to enroll in a course which is counted toward both the undergraduate and graduate degree, the student must be accepted as an advisee by a graduate faculty member and must be admitted into the accelerated program and have the permission of his/her undergraduate advisor, the Plant Science Program Director and the Dean of the Graduate College. These signature approvals are shown on the Mixed Credit Form which is required prior to the end of the Change of Schedule Period for the selected semester.

Admission Requirements for the Accelerated Master's option

1. Junior or senior standing and a GPA of 3.25 or higher.
2. A minimum of 25 credit hours of undergraduate hours relevant to plant biology (as determined by the undergraduate advisor, the student's research mentor, and the Plant Science Program Director) with a GPA of 3.50 or higher.
3. Laboratory research experience relevant to plant science under the direction of a faculty member in Agriculture, Biology or Chemistry at Missouri State University.
4. Acceptance of the student as an advisee by a member of the MS in Plant Science Graduate Faculty.
5. Approval by the MS in Plant Science Graduate Advisory Committee.

Degree requirements (32 hours)

1. **Graduate Advisory Committee.** Initially, each admitted student will be advised by the graduate coordinator of the Plant Science program. As soon as possible, the student, in conjunction with the graduate coordinator, will select a graduate faculty member from one of the four participating departments to chair a graduate advisory committee. Together with the student, the chairperson of the graduate advisory committee will select a minimum of two additional graduate faculty members from one or more of the participating departments. This committee will supervise the remainder of the candidate's program.
2. **Program of Study.** If not a part of the student's previous academic experience, courses in plant physiology ([BIO 644](#)) and biometry ([BIO 650](#)) or applied statistics ([MTH 645](#)) must be completed within the first year of the program. The remainder of the candidate's program will be structured by the advisory committee in consultation with the student. Academic background, professional experience, and career objectives will be considered in establishing the individual's program.
3. **Course Requirements.** The student is required to successfully complete a minimum of 32 hours. Course work taken from the Departments of Agriculture, Biology, Chemistry, Fruit Science, or Mathematics must total at least 23 hours with a minimum of 16 hours from courses numbered 700 through 799 inclusive.
4. **Colloquium.** Two hours of credit must be earned in [AGP 700](#), Plant Science Colloquium.
5. **Electives.** Upon approval of the advisory committee, graduate courses from related fields may be selected to a maximum of 9 hours within the 32-hour degree requirement.
6. **Research Requirement.**

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree. An oral defense of the thesis is required.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report Form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.



7. **Qualifying Examination.** A written qualifying examination will be administered after most of the course work has been completed. This examination must be passed by the candidate before a degree will be given.



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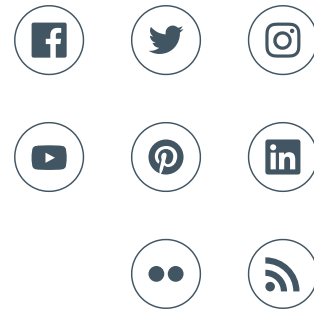
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Graduate Catalog

Secondary Education: Chemistry Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Chemistry Area of Emphasis

Contact area of emphasis advisor Dr. Gautam Bhattacharyya.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Chemistry requirements


Chemistry course work including a minimum of 3 hours in courses numbered 700 or above to **total 15 hours**.




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
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Secondary Education: Natural Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Natural Science Area of Emphasis

Contact area of emphasis advisor Dr. Tamera Jahnke.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](#).

Natural Science prerequisite and requirements

In this option, students complete a minimum of 15 hours with course work selected from two of the following disciplines: Biology, Chemistry, Geography and/or Geology, Mathematics, and Physics.

A minimum of 3 hours of course work numbered 700 or above must be included.

The prerequisite requirements are those listed in the departmental statements of both selected academic areas of emphasis.





1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs



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Missouri State


Graduate College

Graduate Catalog

Department of Computer Science

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Computer Science \(MS\)](#) 

[Natural and Applied Science with emphasis in](#)

[Computer Science \(MNAS\)](#) 

Certificates

[Data Science \(Certificate\)](#)

No master's degree program is offered in Computer Science. However, the department participates in the Interdisciplinary Master of Natural and Applied Science program.

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

[Computer Science Courses \(/Catalog/ComputerScience_courses.htm\)](#)

Contact

Department head

Ajay Katangur

Office

Cheek Hall, Room 203C

Phone

417-836-4157

Fax

417-836-6659

Email

ComputerScience@missouristate.edu
(mailto:ComputerScience@missouristate.edu)

Website

computerscience.missouristate.edu
(https://computerscience.missouristate.edu/)



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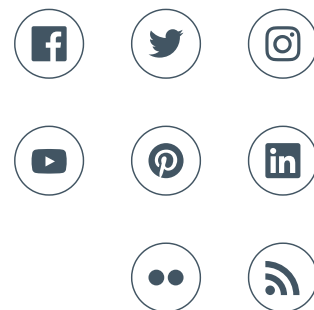
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Computer Science Graduate Faculty

Professors

Ajay Katangur

Hui Liu

Jamil Saquer

Lloyd A. Smith

Yang Wang

Associate professors

Razib Iqbal

Assistant professors

Siming Liu

Adjunct professor

Tayo Obafemi-Ajayi

Emeritus professors

Melvin V. Foster


Ivon Lowsley, Jr.

Kenneth Vollmar



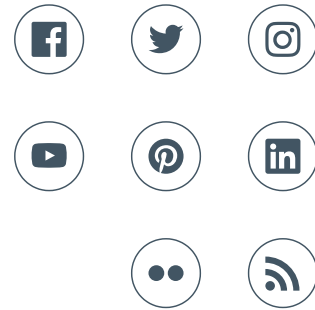


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Missouri State

Graduate College

Graduate Catalog

Computer Science Courses

Computer Science (CSC) courses

CSC 600 Hardware, Software, and Troubleshooting Personal Computers

An introduction to the installation, maintenance, troubleshooting, upgrading, simple repair, and management of personal computers found in educational settings. This course will provide numerous laboratory experiences providing hands-on experience with the goal of enabling students to support personal computer laboratories found in PK-12 schools. May be taught concurrently with CSC 500. Cannot receive credit for both CSC 500 and CSC 600.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

CSC 605 Web-Based Resources in Educational Settings

An introduction to the design, implementation, and management of World Wide Web resources over the internet and intranet networks. Topics include Internet overview, web authoring, web programming, server setting and maintenance. The objective of the course is to know tools (HTML, JavaScript, and Java applets, and Internet Server software, and Navigator/Internet Explorer software packages), and their applicability in WWW design and management in PK-12 school settings. May be taught concurrently with CSC 505. Cannot receive credit for both CSC 505 and CSC 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

CSC 610 Networking and Telecommunications in Educational Settings

An introduction to networking and data communications from an educator's perspective. The course will examine the necessary computer hardware, software, and personnel resources relevant to networking and data communication requirements in various educational settings. Local Area Networks, Wide Area Networks, Network Interconnections, and the internet will be addressed. May be taught concurrently with CSC 510. Cannot receive credit for both CSC 510 and CSC 610.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

CSC 611 Algorithms and Advanced Data Structures

A study of algorithms and advanced data structures including graphs, heaps, hashing, self-adjusting data structures, set representations, greedy algorithms, dynamic programming and introduction to NP-complete problems. The course emphasizes on the study of efficiency and algorithm analysis. May be taught concurrently with CSC 325. Cannot receive credit for both CSC 325 and CSC 611.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 612 Advanced Database System Concepts

A study of modern database systems and their underlying concepts. Core topics include the relational model, SQL, database design theory, query processing, file structures, transactions, and concurrency. Programming projects provide practical experience in developing GUI database applications. May be taught concurrently with CSC 335. Cannot receive credit for both CSC 612 and CSC 335.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 613 Computer Systems Fundamentals

An integrated introduction to computer systems fundamentals. Topics include computer architecture and major components, operating system concepts and implementation techniques (processes, threads, memory management, and distributed systems), and network theory, concepts and techniques. May be taught concurrently with CSC 344. Cannot receive credit for both CSC 344 and CSC 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 615 Advanced Internet Programming

Topics include HTML as a semantic language, advanced CSS techniques, the DOM event model, asynchronous JavaScript, user input validation, utilizing 3rd party APIs, authentication over HTTP and high performance site design (including request minification and compression). Security principles will be reinforced throughout the course. May be taught concurrently with CSC 515. Cannot receive credit for both CSC 615 and CSC 515.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSC 621 Compiler Construction

Topics include lexical analysis, parsing, symbol tables, type checking, run-time organization, code generation, basic code optimization, and the use of compiler development tools. The student must write a complete compiler for a small imperative programming language. May be taught concurrently with CSC 521. Cannot receive credit for both CSC 521 and CSC 621.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Upon demand |

CSC 625 Computer Graphics

An introduction to two-dimensional and three-dimensional computer rendering. Topics will include computer graphics API's, techniques and algorithms for object modeling, viewing, transformations, and event-driven programming. May be taught concurrently with CSC 525. Cannot receive credit for both CSC 525 and CSC 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 626 Methods of Optimization

Convex sets, classical optimization of functions, constrained optimization, search techniques, linear and nonlinear optimization, applications to applied problems. May be taught concurrently with CSC 526. Cannot receive credit for both CSC 526 and CSC 626.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 635 Data Mining

Recommended Prerequisite: equivalent of CSC 232. Introduction to the basic concepts of data mining including data preprocessing, classification, clustering and association rules mining. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. May be taught concurrently with CSC 535. Cannot receive credit for both CSC 535 and CSC 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 640 Introduction to Artificial Intelligence

Recommended Prerequisite: equivalent of CSC 325. Modern techniques for the implementation of goal-directed behavior in intelligent systems, including knowledge representation, search, perception, reasoning, and learning. May be taught concurrently with CSC 540. Cannot receive credit for both CSC 640 and CSC 540.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSC 645 Computer Speech, Music and Images

This is an applied course focusing on the technical aspects of computer-based multimedia-speech, music, audio, and video. In any given semester, the focus may be more on audio or image processing, or it may be equally balanced between the two. Topics include multimedia data capture and representation, methods of data compression, multimedia information retrieval, and multimedia standards. May be taught concurrently with CSC 545. Cannot receive credit for both CSC 645 and CSC 545.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 655 Software Quality Assurance and Project Management

A broad coverage of software quality and testing including quality assurance, inspections and reviews, software validation and verification, various testing techniques, and related tools. Other topics are essential software project planning steps, cost estimation, productivity metrics, release and configuration management concepts. May be taught concurrently with CSC 455. Cannot receive credit for both CSC 655 and CSC 455.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 660 Operating Systems

Introduction to operating systems concepts, principles, and design. Topics include: processes, threads, CPU scheduling, mutual exclusion, process synchronization, deadlocks, memory management, file systems, i/o systems, disk management, distributed systems, security and protection. May be taught concurrently with CSC 360. Cannot receive credit for both CSC 360 and CSC 660.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

CSC 665 Computer Networks

An introduction to the theory, concepts and techniques upon which modern computer networks are based. The emphasis will be on layered network architectures, the design frameworks for both local and wide area networks and communication protocols. May be taught concurrently with CSC 565. Cannot receive credit for both CSC 565 and CSC 665.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 667 Mobile Computing Applications

An introduction to the design, development, and publication of software applications for mobile devices. Course topics will include design and creation of basic and advanced applications, use of an integrated development environment, performance and security issues, and application packaging and distribution mechanisms. May be taught concurrently with CSC 567. Cannot receive credit for both CSC 667 and CSC 567.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSC 687 Computing for Bioinformatics

This course focuses on computational techniques used in bioinformatics. Topics will include nucleotide and amino acid data representation, sequence alignment, coding sequence prediction, and use of statistical models. Students will learn to use bioinformatics libraries with a script language such as Python or Perl. May be taught concurrently with CSC 587. Cannot receive credit for both CSC 687 and CSC 587.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 690 Advanced Topics in Computer Science

Variable content course with topics in the field of Computer Science. Topics may be identified by title in the schedule of classes. May be repeated in a different topic is offered. May be taught concurrently with CSC 590. Cannot receive credit for both CSC 590 and CSC 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

CSC 696 Special Readings

Prerequisite: permission of department head.

Directed study with a faculty member. Periodic conferences with the faculty member are required. A maximum of three credit hours may count towards the degree. May be taught concurrently with CSC 596. Cannot receive credit for both CSC 596 and CSC 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

CSC 701 Seminar I

Computer Science literature and research methods. Students will read research literature in Computer Science and make presentations describing that research. Students will attend presentations by faculty, visitors, and

other students. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Fall |

CSC 702 Seminar II

Prerequisite: CSC 701.

Continuation of CSC 701 with a focus on tools and methods for data analysis. Students will make oral presentations that report experimental results and will attend presentations by faculty, visitors, and other students. Graded Pass/Not Pass only.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Spring |

CSC 735 Data Analytics

Study of tools, techniques and frameworks for extracting useful information from large data. Study of machine learning algorithms for data analytics. Visual display of results.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

CSC 736 Machine Learning

Prerequisite: CSC 325.

Machine learning explores the study and construction of algorithms that can learn from data. This study combines ideas from both computer science and statistics. The study of learning from data is playing an increasingly important role in numerous areas of science and technology. This course will familiarize students with several frequently used machine learning models and algorithms to attack real world problems and prepare students for research or industry application of machine learning techniques.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

CSC 742 Evolutionary Computing

Principles and applications of programs inspired by biological principles. Genetic algorithms and their use in search and optimization. Problem representation, operators, and control. Artificial life and the use of evolutionary computation in robotics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 745 Advanced Multimedia Programming

Advanced aspects of computer-based multimedia. Topics may differ from semester to semester but will be chosen from computer vision, speech recognition, gesture recognition, image and audio signal processing, data visualization, and multimedia information retrieval.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 746 Human Computer Interaction

Research and practice in Human-Computer interaction (HCI). Impact of human perception and cognition on user interface design. Tools for building graphical user interfaces (GUIs) and multimodal user interfaces incorporating speech and gesture. Research methods.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

CSC 747 Multimedia Communications

This course introduces fundamental technologies for multimedia coding, processing, and communications. Emphasis will be given on content representation, delivery over a variety of networks, and various applications including compression, adaptation, and authentication.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSC 765 Ubiquitous Computing and Internet of Things

Prerequisite: CSC 665 or equivalent course or background approved by the instructor.

An introduction to some of the fundamental concepts and state-of-the-art research in the areas of ubiquitous computing (UbiComp). A significant portion of the course will cover the Internet of Things (IoT). Less emphasis will be given to the hardware and device level details. The major focus of this course is Internet Evolution and Wireless Technologies, Location Services in UbiComp, context-aware computing, privacy and security, wearable computing, mobile OS, IoT and data analytics, cloud computing. Students will learn to carry out research in UbiComp and IoT.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

CSC 790 Graduate Topics in Computer Science

Variable content course with topics that can change from semester to semester. Topics may be identified by title in the class schedule. May be repeated if a different topic is offered.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

CSC 796 Science Internship

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

CSC 798 Research in Computer Science

Prerequisite: permission of department head.

Supervised research in computer science. May be repeated, but no more than 6 hours may count toward the Master of Natural and Applied Science degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Fall, Spring |

CSC 799 Thesis

Prerequisite: permission of instructor.


Independent research and study connected with preparation of thesis. No more than 6 hours may count toward the Master of Natural and Applied Science degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |





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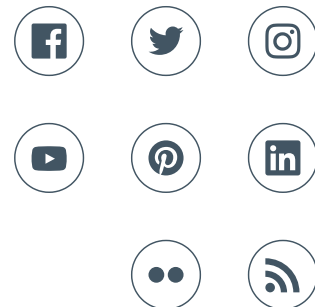
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Missouri State


Graduate College

Graduate Catalog

Department of Computer Science

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Computer Science](#) (MS) 

[Natural and Applied Science with emphasis in](#)

[Computer Science](#) (MNAS) 

Certificates

[Data Science](#) (Certificate)

No master's degree program is offered in Computer Science. However, the department participates in the Interdisciplinary Master of Natural and Applied Science program.

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

[Computer Science Courses](#) ([/Catalog/ComputerScience_courses.htm](#))

Contact

Department head

Ajay Katangur

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Website

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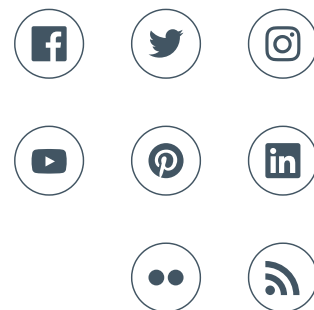
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Graduate College

Graduate Catalog

Natural and Applied Science (Interdisciplinary Program)



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Natural and Applied Science

Director: Kyoungtae Kim

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assisitships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.





Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



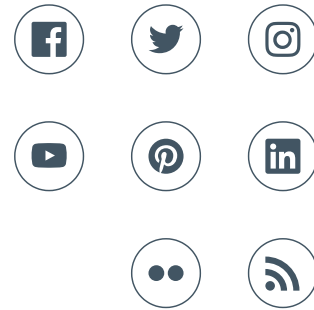


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Graduate College

Graduate Catalog

Data Science



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Certificate in Data Science

Lloyd Smith, Program Director

Cheek Hall, Room 316; Phone 417-836-4834

[ComputerScience.MissouriState.edu](https://computerscience.missouristate.edu) (<https://computerscience.missouristate.edu/>)

Program description

The Graduate Certificate in Data Science is a 12-credit hour program designed to provide advanced knowledge and skills in the field of data science, including data analysis, data mining, data visualization, statistical modeling, and feature engineering for machine learning.

Admission requirements

1. Bachelor's degree and a 2.75 GPA is required
2. Should have course work equivalent to CSC 232

Course requirements (12 hours)

| Course Code | Course Title | Credit hours |
|-------------------------|------------------------|--------------|
| CSC 635 | Data Mining | 3 hrs |
| CSC 735 | Data Analytics | 3 hrs |
| CSC 742 | Evolutionary Computing | 3 hrs |
| MTH 645 | Applied Statistics | 3 hrs |


Completion requirements

Attain a combined course GPA of at least 3.00 in required courses.





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Missouri State


Graduate College

Graduate Catalog

Department of Geography, Geology and Planning


Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Geography and Geology](#) (MS) 

[Natural and Applied Science with emphasis in
Geography, Geology and Planning](#) (MNAS) 

[Professional Studies: Environmental Management
Option](#) (MPS)

[Secondary Education: Earth Science Area of
Emphasis](#) (MSEd)

[Secondary Education: Geography Area of Emphasis](#)
(MSEd)

[Secondary Education: Natural Science Area of
Emphasis](#) (MSEd)

[Secondary Education: Social Science Area of
Emphasis](#) (MSEd)

Certificates

[Environmental Monitoring and Sampling](#) (Certificate) [Planning and Development](#) (Certificate)

[Geospatial Information Sciences](#) (Certificate) [Sustainability](#) (Certificate)

[Petroleum Geology](#) (Certificate)

Program Description

The program of study is designed to provide professional training and develop scholarly analytical skills in Geospatial Science with applications in one of three areas: 1) Physical Geography; 2) Human Geography and/or Planning; or 3) Geology. This program emphasizes the integration of the theoretical frameworks of Geography and Geology and Geospatial Science principles. By combining these areas, students will be able to address research problems regarding environmental issues and resource management.

The core curriculum consists of course work in Geographic Information Science (GIS), Remote Sensing, research methods and research presentations, both written and oral. Students are encouraged to develop, with their advisors, a program that fits their individual talents and goals. The department recommends that students choose a research concentration in Physical Geography, Human Geography and/or Planning, or Geology. If a student intends to pursue research outside these concentration areas, he/she should contact the program director and prospective advisor, if possible, before applying to the program. Admission is granted to students with demonstrated academic competences who are interested in a professional career in geography or geology.

Funding for graduate students in Geospatial Sciences is available through application for competitive graduate assistantships which carry both a stipend and fee waiver. Applications for graduate assistantships should be submitted directly to the Graduate Program Director in the Department of Geography, Geology and Planning. Additional graduate assistantships may also be available through listings by other departments and offices.

Contact

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Graduate College

Graduate Catalog

Geography, Geology, and Planning Graduate Faculty

Distinguished professors

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Robert T. Pavlowsky

Professors

Toby Dogwiler

Kevin R. Evans

Douglas R. Gouzie

Melida Gutierrez

Rajinder Jutla

Jun Luo

Xiaomin Qiu

Charles W. Rovey II

Associate professors

Ronald Malega

Xin Miao

Gary Michelfelder

Assistant professors

Krista Evans

Matthew McKay

David Perkins IV

Matthew C. Pierson

Senior instructor

Damon Bassett

Instructor

Melanie Carden-Jessen

Adjunct faculty

Marc Owen

Emeritus professors

David A. Castillon

John C. Catau

William H. Cheek

William T. Corcoran

Stanley C. Fagerlin

Russell L. Gerlach

Dimitri Ioannides

Elias Johnson

Vincent E. Kurtz

Erwin J. Mantei

Diane M. May

Judith Meyer

Thomas D. Moeglin



Thomas Plymate



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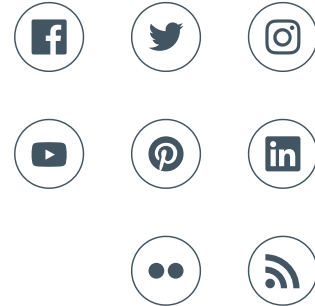
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Missouri State

Graduate College

Graduate Catalog

Geography, Geology, and Planning Courses

Geospatial (GEO) courses

GEO 651 Remote Sensing

Recommended Prerequisite: GEO 360. Introduction to environmental studies through the application of remotely sensed imagery and geospatial technologies. The course covers principles of remote sensing, interactions of electromagnetic energy with the atmosphere and earth's surface, satellite systems and sensors (electro-optical, thermal, radar and LiDAR). Emphasis is placed on regional and global monitoring, land cover mapping, forestry, agriculture, geology, planning and oceanography. Laboratory emphasizes interpretation of remotely sensed imagery and introduction to digital image processing including enhancements, corrections and classification routines. May be taught concurrently with GEO 551. Cannot receive credit for both GEO 551 and GEO 651.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GEO 657 Fundamentals of Geospatial Science

This course is designed for graduate students who have limited background in Geospatial Science, or whose skills need refreshed, but wish to take graduate-level Geospatial Science courses. As such, this course uses a series of self-paced modules to provide students with the fundamental knowledge of the theory and software related to geographic information systems and remote sensing and will prepare them to succeed in other graduate-level GEO courses that have GEO 360 or GEO 363 as recommended prerequisites.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

GEO 661 Applied Geographic Information Science

Recommended Prerequisite: GEO 363 or permission of instructor. Principles and applications of Geographic Information Systems (GIS) software. Examines the nature and accuracy of spatially referenced data, as well as methods of data capture, storage, retrieval, visualization and output. This course will emphasize the application of GIS to solving geospatial problems in various disciplines. May be taught concurrently with GEO 561. Cannot receive credit for both GEO 661 and GEO 561.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GEO 662 Internet Geospatial Science

Recommended Prerequisite: GEO 561 or GEO 661. Basic understanding of the contemporary standards for using the internet to distribute and utilize geospatial data. Students will set up and maintain a WebGIS server, design maps, and publish maps to the WebGIS server. A major part of the course will examine the development of WebGIS applications that utilize the published WebGIS services. May be taught concurrently with GEO 562. Cannot receive credit for both GEO 562 and GEO 662.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GEO 666 Advanced Geographic Information Science

Recommended Prerequisite: GEO 561 or GEO 661. A theoretical and practical examination of analytical methods used in GIS, including point pattern/clustering analysis, global and local spatial autocorrelation, analysis of fields, spatial interpolation, map overlay and cartographic modeling, and new approaches to spatial analysis. May be taught concurrently with GEO 566. Cannot receive credit for both GEO 566 and GEO 666.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GEO 668 Thematic Cartography

Recommended Prerequisite: GEO 363. Theoretical and applied aspects of map design in thematic mapping, animated mapping, interactive and web mapping. Emphasis will be applying computer-assisted mapping techniques of the problems of effective and efficient communication of spatial data. May be taught concurrently with GEO 568. Cannot receive credit for both GEO 668 and GEO 568.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GEO 669 Landscape Analysis

Prerequisite: GEO 363.

A project-based exploration of geospatial methods and processing techniques for the analysis, modeling, and prediction of hydrologic and geomorphic processes at various landscape scales. An emphasis will be placed on the applications of digital elevation models, remotely sensed data, and modeling techniques to understand landscape processes of interest to fields such as geology, physical geography, agriculture, soils, ecological systems, and archaeology. May be taught concurrently with GEO 569. Cannot receive credit for both GEO 669 and GEO 569.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 1 | 2 | Fall (even-numbered years) |

GEO 672 Introduction to Photogrammetry and LiDAR Technology

Recommended Prerequisite: GRY 360. Course covers basic concepts of photogrammetry and LiDAR techniques such as stereo feature extraction, orthophoto, LiDAR point cloud visualization and DEM/DTM generation. Laboratory emphasizes geospatial stereo feature extraction using digital photogrammetry software, ArcGIS and Matlab toolboxes. May be taught concurrently with GEO 572. Cannot receive credit for both GEO 572 and GEO 672.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring |

GEO 673 Geographic Information Science Programming

Recommended Prerequisite: GEO 561 or GEO 661, and either ITC 202 or CSC 121 or CSC 125. Course devoted to theories and processes of analytical and automated Geographic Information Science (GIS). Principal topics covered are spatial programming, geographic data storage, computer map rendering, application customization and automation and human interface development of GIS. Advanced GIS and programming skills for

professional development are emphasized. May be taught concurrently with GEO 573. Cannot receive credit for both GEO 573 and GEO 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GEO 675 GPS Surveying and Mapping

Theory and operation of global positioning systems (GPS) hardware and software. Including mission planning, measurement of point, line and area features, differential correction techniques and waypoint navigation. Field exercises required. May be taught concurrently with GEO 575. Cannot receive credit for both GEO 575 and GEO 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring |

GEO 678 Remote Sensing Digital Image Processing

Prerequisite: GEO 551 or GEO 651 or GEO 566 or GEO 666 or GEO 572 or GEO 672.

Advanced application of remote sensing digital image processing in areas of interest such as land use/land cover mapping, agriculture, forestry, resource planning and geology. Course covers image visualization, image correction, classification algorithms and change detection methods. Laboratory emphasizes advanced image processing techniques using ENVI software. May be taught concurrently with GEO 578. Cannot receive credit for both GEO 578 and GEO 678.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GEO 697 Topics in Geospatial Science

Prerequisite: permission.

Detailed treatment of a selected topic in Geospatial Science that may vary from offering to offering. Variable content course. May be repeated for a total of 7 hours. May be taught concurrently with GEO 597. Cannot receive credit for the same topic in both GEO 597 and GEO 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-4 | | | Upon demand |

GEO 700 Introduction to Graduate Study in Geography, Geology and Planning

This course serves as a foundation for students pursuing a graduate degree in the Department of Geography, Geology and Planning. First-semester graduate students are introduced to the research interests of the department's faculty, are guided in effective strategies for conducting a literature search and are mentored in the effective development of a research proposal.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 3 | 0 | Fall |

GEO 701 Graduate Research Methods in Geography, Geology and Planning

Prerequisite: GEO 700.

Methods of collecting, organization, and analyzing data pertinent to graduate study in geography, geology and planning. Emphasis will be on the application of univariate and multivariate statistical techniques and other quantitative techniques pertinent to mathematically and statistically modeling problems in geography, geology and planning.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 3 | 2 | 2 | Spring |

GEO 705 Geography, Geology, and Planning Seminar

This course consists of a series of oral presentations to be made by faculty members, students, and guest speakers from industry, academe and government on new developments in geography, geology or planning. Graded Pass/Not Pass. Repeatable to a maximum of 3 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|---------------------|------------------------------|--------------------------|--------------------------|
| 1 | 0 | 2 | Fall, Spring |

GEO 755 Applications of Digital Cartography, Analytical Photogrammetry, and Remote Sensing

Prerequisite: permission.

Advanced application of aerial photography and digital imagery, analytical photogrammetry, remote sensing, digital cartography and other geospatial technologies in areas of interest such as land use/land cover mapping, landscape ecology, agriculture, forestry, resource planning, geology, and soils. Since credit and topics vary, the course may be repeated for a maximum of 7 hours with permission.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GEO 770 Advanced Field and Laboratory Methods

Advanced training in laboratory and field methods in geography and geology. Topics will vary due to faculty expertise or student interest. Examples include watershed monitoring techniques, geochemical techniques, and field studies in remote areas. Field trips are required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

GEO 780 Research Paper in Geospatial Sciences

Prerequisite: permission.

Extensive research paper on selected topic to be presented orally at a departmental seminar or professional meeting. Exclusively used to satisfy requirements for non-thesis option.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

Geology (GLG) courses

GLG 623 Coastal Marine Geology

Prerequisite: permission; and concurrent enrollment in GLG 624.

A study of inshore and nearshore geologic processes, sedimentation patterns and landform development. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 523. Cannot receive credit for both GLG 523 and GLG 623.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Summer |

GLG 624 Coastal Marine Geology Lab

Prerequisite: concurrent enrollment in GLG 623.

Laboratory portion of GLG 623. Field and laboratory activities. Must be taken at Gulf Coast Research Laboratory, Ocean Springs, Mississippi. May be taught concurrently with GLG 524. Cannot receive credit for both GLG 524 and GLG 624.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 0 | 2 | Summer |

GLG 630 Optical Mineralogy

Recommended Prerequisite: GLG 333. Essentials of optical crystallography; the use of the petrographic microscope in the identification of rock-forming minerals, both in oil-immersion grain mounts and in thin sections. May be taught concurrently with GLG 530. Cannot receive credit for both GLG 530 and GLG 630.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

GLG 640 X-Ray Mineralogy

Recommended Prerequisite: GLG 332. Principles and techniques of x-ray mineralogy; the use of x-ray powder diffraction in the identification and characterization of minerals and related crystalline phases. May be taught concurrently with GLG 540. Cannot receive credit for both GLG 540 and GLG 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

GLG 647 Water Resources

Recommended Prerequisite: BIO 122 or GLG 110 or GRY 142; and CHM 160 and CHM 161; and MTH 135. An interdisciplinary study of freshwater resource development, including environmental impacts of humans on hydrology and water quality, conflicts among users, and politics at local and global scales. Identical with BIO 647. Cannot receive credit for both GLG 647 and BIO 647. May be taught concurrently with GLG 547. Cannot receive credit for both GLG 647 and GLG 547.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

GLG 670 Principles of Stratigraphy

Recommended Prerequisite: GLG 314 and GLG 334. Principles and procedures applied to the study of sedimentary successions; astronomical forcing, cyclicity, eustasy, and tectonic controls on stratification and basin evolution; application of the Stratigraphic Code, practical field methods, observations and interpretation of depositional environments, and sequence stratigraphic interpretations; field trips required. May be taught concurrently with GLG 570. Cannot receive credit for both GLG 570 and GLG 670.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GLG 672 Geohydrology

Recommended Prerequisite: GLG 314; and either MTH 261 or MTH 287. Aquifer properties; elementary theory of groundwater flow through a porous medium; well and aquifer relationships. Laboratories include ground-water case studies and Hydrologic Investigation Atlas interpretations. Field trips required. Taught concurrently with GLG 572. Cannot receive credit for both GLG 572 and GLG 672.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GLG 673 Engineering Geology

Recommended Prerequisite: GLG 333. Engineering properties of rocks and soils; fundamentals of engineering geology field investigations; application of properties and fundamentals to engineering problems concerning slope stability, groundwater, industrial contamination, urban public works, and karst areas. Laboratories include engineering classification of soils, hydraulic conductivity testing, and public works design and management. Field trip to observe engineering problems of karst required. May be taught concurrently with GLG 573. Cannot receive credit for both GLG 673 and GLG 573.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 2 | 2 | Spring (even-numbered years) |

GLG 674 Petroleum Geology

Recommended Prerequisite: GLG 314 and GLG 333 and GLG 570. Origin of hydrocarbons in sedimentary successions; petroleum systems, sequence stratigraphic concepts; basin analysis; petroleum exploration techniques, including well log and seismic interpretation; techniques for resource exploitation and an

introduction to petroleum production. May be taught concurrently with GLG 574. Cannot receive credit for both GLG 674 and GLG 574.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GLG 676 Geoscience Computing

This course will explore the dynamic relationships between Earth systems and introduce students to techniques to create map products and Earth system models using surficial and subsurface geologic data. Mapping and modeling topics will include: heat flow, geologic bedrock mapping, geochemical data processing, fluid mechanics, well data, subsurface geologic data interpretation, and seismic attribute analysis. Students will explore these topics and characterize their behavior by building theoretical Earth system models to test map-based hypotheses.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GLG 680 Geochemistry

Recommended Prerequisite: GLG 332. Topics include the dominant chemical reactions in natural waters, equilibrium conditions between mineral precipitation and dissolution, and characteristics of contaminated groundwater. Field trips required. Taught concurrently with GLG 580. Cannot receive credit for both GLG 580 and GLG 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Fall |

GLG 681 Geochemical Techniques

Recommended Prerequisite: GLG 332. Geochemical techniques and procedures used in ore exploration, point and nonpoint contamination and other environmental studies. Analyses of trace elements in rocks, soils, plants and waters using inductively coupled plasma methods. Also use of GPS to locate sample sites and ArcView to prepare maps. Field trips required. May be taught concurrently with GLG 581. Cannot receive credit for both GLG 581 and GLG 681.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 4 | 2 | 4 | Spring (odd-numbered years) |

GLG 690 Applied Geophysics

Recommended Prerequisite: GLG 340; and either PHY 124 or PHY 204; and either MTH 280 or MTH 288.

Application of geophysical methods in solving geologic problems. Techniques covered include seismic refraction and reflection, gravity, magnetics, direct current and electromagnetic resistivity. Field trips required. May be taught concurrently with GLG 590. Cannot receive credit for both GLG 590 and GLG 690.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GLG 691 Seismic Data Processing

Prerequisite: GLG 340 (or permission); and either PHY 124 or PHY 204 or concurrent enrollment in either; and either MTH 280 or MTH 288 or concurrent enrollment in either.

The basic techniques to process seismic reflection data as used by for tectonic, oil, environmental and mining applications. Techniques include deconvolution, filtering, migration, stacking, normal moveout corrections. Basic seismic reflection interpretation will be addressed. This is a computer based class. May be taught concurrently with GLG 591. Cannot receive credit for both GLG 691 and GLG 591.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 2 | 2 | Spring (even-numbered years) |

GLG 697 Selected Topics in Geology

Prerequisite: permission.

Detailed treatment of various advanced topics in geology which may vary from year to year. Some typical topics: geologic instrumentation, selenology, sedimentology, and crystallography. Variable content course. May be repeated for a total of 6 hours. May be taught concurrently with GLG 597. Cannot receive credit for both GLG 597 and GLG 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

GLG 701 Geosystems

Prerequisite: permission.

A study of rocks and minerals, plate tectonics, geological internal processes (volcanoes, earthquakes), geologic history, geologic time, and surface processes (rivers, karst, soils). Note: students with an undergraduate degree

in geology may not count this course toward their degree requirement in the Geography and Geology master's program or towards the geology emphasis in the Master of Natural and Applied Science program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GLG 702 Geology for Secondary Teachers II

Prerequisite: GLG 701.

Continuation of GLG 701.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

GLG 713 Field Geology for Secondary Teachers

Prerequisite: permission.

Field work; identification and correlation of rock units; determination of depositional environments from fossils and other indicators. Students are required to make a collection of specimens from rock formations in the study area. May be repeated to a total of 6 hours when destination varies.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GLG 715 Isotope Geochemistry

Topics include the application of radiogenic, radioactive and stable isotopes to the processes and timescales relevant to the formation of the planet and solar system, the evolution of the Earth system and interactions in the hydrosphere and biosphere. Course consists of lecture and seminar section, where students are exposed to these applications and discuss relevant papers from the literature. A semester long project using geochronology and isotope geochemistry data is required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 3 | 3 | 0 | Fall (even-numbered years) |

GLG 751 Seminar in Geology

Prerequisite: permission.

Preparation of an extensive paper on selected topics to be read before staff seminars.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

GLG 765 Selected Topics in Earth Science

Prerequisite: permission.

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections are made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GRY 740. Cannot receive credit for more than 6 hours of GLG 755 and GRY 740 combined.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GLG 779 Research/Geological Sciences

Prerequisite: permission.

Original research supervised by the geology staff, involving special areas of the geological sciences. May be repeated to a total of 3 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GLG 782 Contaminant Hydrology

Recommended Prerequisite: undergraduate background in both geology and chemistry. Geochemical principles applied to solve environmental problems effecting surface water and groundwater. Case studies in groundwater geochemistry, medical geology, and mining geology. Geostatistics (ArcGIS, SPSS) and geochemical modeling (MINTEQ) tools used.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 2 | 2 | Spring (odd-numbered years) |

GLG 794 Global Tectonics

Recommended Prerequisite: GLG 314. The fundamental basis of plate tectonics. Topics covered include geophysical methods, plate motion theory, fundamental properties of plate boundaries, formation of sedimentary basins and orogenic belts.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GLG 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

GLG 799 Thesis

Prerequisite: permission.

Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Geography (GRY) courses

GRY 607 Geography of Sub-Saharan Africa

An in-depth geographic study of Africa south of the Sahara Desert. Surveys physical and political geography, climate, tribalism, religion, demography, natural resources, transportation, industry and economic activities of

African states South of the Sahara. Students are required to complete two research projects. May be taught concurrently with GRY 507. Cannot receive credit for both GRY 507 and GRY 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GRY 610 Applications in Sustainable Geotourism

This course will introduce some of the key concepts and methods used to investigate and make sense of the role, significance and impact of tourism that sustains or enhances the geographical character of a place--its environment, culture, aesthetics, heritage, and the well-being of its residents. Students will explore environmentally and socially responsible tourism strategies and innovations, and study issues associated with tourism development. Students will work to develop a tourism policy and plans based on geotourism parameters where ideas may be applied in a practicum to a local, regional or national community. May be taught concurrently with GRY 510. Cannot receive credit for both GRY 610 and GRY 510.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

GRY 625 Environmental Hazards

Recommended Prerequisite: GRY 142; or both GRY 135 and GLG 110. Identification, recognition, and impact of hazards. Physical exposure to hazards and human vulnerability in LDCs and MDCs. Disaster trends and patterns. Behavioral and structural paradigms of hazards. EM-DAT: international disaster database. Statistical methods used in risk assessments. Risk perception, communication, and disaster management. Tectonic, mass movement, atmospheric, hydrological, biophysical, and technological hazards: analysis, preparedness, and mitigation. May be taught concurrently with GRY 525. Cannot receive credit for both GRY 525 and GRY 625.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GRY 635 Global Climate and Weather Cycles

Recommended Prerequisite: GRY 135; and MTH 340 or AGR 330 or ECO 308 or PSY 200 or QBA 237 or REC 328 or SOC 302. Energy and mass exchanges. Global atmospheric circulation; surface and upper-air flows. Index cycle: zonal and meridional atmospheric circulations. Teleconnections and atmospheric oscillations: NAO, PNA, PDO, AO, ENSO, and AMO. Interactions between atmospheric oscillations and surface climatic variables in the United States and around the world. Weather cycles, natural climatic variability and climate change. Drought indices. Spatial and temporal statistical domains used in climatic data analysis. May be taught concurrently with GRY 535. Cannot receive credit for both GRY 535 and GRY 635.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GRY 645 Global Environmental Change

Recommended Prerequisite: GRY 142 or both GRY 135 and GLG 110. Energy and mass fluxes and storages in the interlinked physical components of the ecosphere. Chemistry of the global atmosphere. Role of the oceans and thermohaline circulation. Land use and land cover influences on terrestrial ecosystems. Concepts of environmental cycles, thresholds, resilience, recovery and response times. Understanding past environmental changes. Causes, mechanisms and likely impacts of natural and anthropogenically-induced changes on the global environment. Predictive models on global environmental change. May be taught concurrently with GRY 545. Cannot receive credit for both GRY 545 and GRY 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

GRY 650 Fluvial Geomorphology

Study of the formation, composition, distribution of fluvial landforms. Emphasis is on channel hydrology, quantification of geomorphic relationships, reach and watershed-scale processes, sediment transport, water and sediment contamination, and management applications to streams in the Ozarks Region as well as other places. Field work may be required. May be taught concurrently with GRY 550. Cannot receive credit for both GRY 550 and GRY 650.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

GRY 696 Topical Issues in Education

Prerequisite: permission.

Selected topics in geography and earth science to upgrade understandings and skills in improvement of elementary or secondary teaching. Each course is concerned with a single topic or subject matter area. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a total of 5 hours credit. May be taught concurrently with GRY 596. Cannot receive credit for both GRY 596 and GRY 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

GRY 697 Special Topics in Geography

Prerequisite: permission.

Selected topics in geography. Special topics will be included in the class schedule for each term. Field trips may be required. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours credit. May be taught concurrently with GRY 597. Cannot receive credit for both GRY 597 and GRY 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

GRY 698 Research in Geography

Prerequisite: permission.

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 6 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

GRY 700 Cultural Geography for Secondary Teachers I

Population and the spatial imprint of man on the landscape in terms of settlement, economic activities, institutions; methods and materials of the high school geography project; other current curriculum materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

GRY 703 Cultural Geography for Secondary Teachers II

Prerequisite: GRY 700.

Continuation of GRY 700. Contemporary problems in land use, urbanization and planning for optimum use of resources; methods and materials of the high school geography project; other current curriculum materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

GRY 708 The Philosophy of Sustainability

This discussion and inquiry-based course provides students increased understanding in the historical and philosophical underpinnings of sustainability. Emphasis is placed evenly on social, economic and environmental factors and how they all contribute to present-day applications of sustainability in varying contexts such as policy, business, and development. Special emphasis is placed on how sustainability intersects with conservation, preservation, economic and social development, and the United Nations Sustainable Development Goals (SDGs).

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

GRY 730 Weather Elements for Secondary Teachers

Physical processes of the earth's atmosphere, use of weather instruments and interpretation of weather maps. Applied aspects of weather and climate and their effects on man's activities. Emphasis on current curriculum materials for secondary schools.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GRY 731 Environmental Assessment

The procedures and processes of environmental assessment. Soils, hydrology, climate, biogeography and geomorphology will be examined in an environmental assessment context. Environmental assessment is a prerequisite for satisfying the National Environmental Policy Act (NEPA) requirements.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

GRY 740 Selected Topics in Earth Science

Prerequisite: permission of instructor.

Students cooperatively select from general subject areas in earth science more specific areas to explore. Topics are studied consecutively during the semester. Subject areas from which the topic selections will be made are included in the class schedule for each term the course is offered. Variable content course. Since topics vary, the course may be repeated for a total of 6 hours. Identical with GLG 765. Cannot receive credit for more than 6 hours of GRY 740 and GLG 765.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GRY 748 Physiography and Resource Conservation

Landforms, economic minerals, soils, climate, water resources and closely related aspects of the natural environment as they relate to man's inhabitation and use of the earth; map reading and simple map construction; methods and materials for secondary schools.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

GRY 751 Topics in Advanced Physical Geography

Critical review of recent advances and trends in applied and/or theoretical physical geography. Course will involve the study of seminal and recent journal articles and presentation of a research paper. Course content may vary among the subfields of physical geography including geomorphology, hydrology, water resources, soil geography climatology, and biogeography. Field trips may be required.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

GRY 779 Research in Geography

Prerequisite: permission.

Enrichment through guided but independent, original research in geography and geography related subject areas. May be repeated for a total of 3 credit hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

GRY 799 Thesis

Prerequisite: permission.

Independent research and study connected with preparation of thesis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

Planning (PLN) courses

PLN 605 Social Planning

This course will address planning practice in relation to values of justice, equity, fairness, and efficiency. In particular the course will focus upon inclusion of different community groups within the planning decision making process. A field project is required. May be taught concurrently with PLN 505. Cannot receive credit for both PLN 605 and PLN 505.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLN 670 Planning Law

Study of the legal foundations of land use controls. Topics include historic legal cases establishing government intervention in private development zoning, subdivision, growth management, individual liberty, environmental regulation and the general welfare concept. May be taught concurrently with PLN 570. Cannot receive credit for both PLN 570 and PLN 670.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLN 671 Land Use Planning

Recommended Prerequisite: PLN 271 or PLN 372 or FIN 266. Focuses on conceptual and analytical techniques of land use planning, including land use analysis, planning studies and procedures, and the synthesis of planning elements through comprehensive plan development. The course also explores land use planning with regard to social justice and sustainability, diverse communities, and resiliency planning. May be taught concurrently with PLN 571. Cannot receive credit for both PLN 571 and PLN 671.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PLN 672 Community Planning Practicum

Recommended Prerequisite: PLN 367. This course provides students the opportunity to apply the accumulated knowledge of planning theory and skills learned throughout the program. It focuses on the process of community planning and plan development. It also provides experience in the application of planning principles and analytic techniques to an actual planning scenario. Students will work on an individual basis and as part of a team to create a planning document. Field trip(s) required. May be taught concurrently with PLN 572. Cannot receive credit for both PLN 572 and PLN 672.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Spring |

PLN 673 Urban Design and Preservation

Recommended Prerequisite: PLN 271 and GRY 322. Elements of urban design and preservation in relation to social, economic, and political forces; the role of the urban designer in the planning process. May be taught concurrently with PLN 573. Cannot receive credit for both PLN 573 and PLN 673.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

PLN 674 Open Space Planning

Principles and methods of open space planning. Students will learn about the relationship between open space and the quality of life in cities and will obtain a foundation for conducting open space planning projects. Class format includes lecture, seminar and studio. Field problem required. May be taught concurrently with PLN 574. Cannot receive credit for both PLN 574 and PLN 674.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Spring |

PLN 676 Site Planning and Design Studio

Recommended Prerequisite: PLN 371 and PLN 372. Focuses on the principles of site planning approaches in evaluating, planning, and designing sites within the context of natural and cultural systems. Provides a foundation for conducting any type of site planning project. A specific site in the region is studied and plans are developed for present and future use. May be taught concurrently with PLN 576. Cannot receive credit for both PLN 576 and PLN 676.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 4 | 3 | 2 | Fall |

PLN 696 Research in Planning

Prerequisite: permission.

Enrichment through guided but independent, original research in planning and planning related subject areas. May be repeated to a total of 6 credit hours. May be taught concurrently with PLN 596. Cannot receive credit for both PLN 596 and PLN 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

PLN 697 Selected Topics in Planning

Detailed treatment of various advanced topics in planning which may vary from semester to semester. Some typical topics: Economic Development Planning, Rural and Small Town Planning, Housing in America. Variable content course. May be repeated to a total of 6 hours. May be taught concurrently with PLN 597. Cannot receive credit for both PLN 597 and PLN 697.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-5 | | | Upon demand |

PLN 699 Internship in Community and Regional Planning

Recommended Prerequisite: PLN 571. Work in community or regional planning agency. Students are monitored by Planning faculty and supervisory personnel of the planning agency. May be repeated to a total of 6 hours. May be taught concurrently with PLN 599. Cannot receive credit for both PLN 599 and PLN 699.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-3 | | | Fall, Spring, Summer |

PLN 704 Community Resource Planning

Explanation of community growth and change. Review of public and private agency programs. Topics may focus on small towns and rural areas as well as urban and metropolitan areas. Since credit and topics vary, the course

may be repeated for a maximum of 7 hours with permission.



| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |



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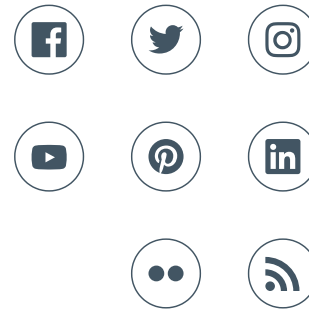
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Geography and Geology



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Master of Science, Geography and Geology

Doug Gouzie, Graduate Director

Temple Hall, Room 375; Phone 417-836-5228

DouglasGouzie@missouristate.edu (mailto:DouglasGouzie@missouristate.edu)

Program description

The program of study is designed to provide professional training and develop scholarly analytical skills in Geography and Geology with applications in one of four options: 1) Geography; 2) Geology; 3) Geospatial Science; or 4) Planning. This program emphasizes the integration of the theoretical frameworks of Geography and Geology and Geospatial Science principles. By combining these areas, students will be able to address research problems regarding environmental issues and resource management.

The core curriculum consists of course work in Geographic Information Science (GIS), Digital Simulation and Visualization techniques, and research methods, both written and oral. Students are encouraged to develop,

with their advisors, a program that fits their individual talents and goals. The department recommends that students choose a research concentration in Geography, Geology, Geospatial Science, or Planning. If a student intends to pursue research outside these concentration areas, he/she should contact the program director (and prospective advisor, if possible) before applying to the program. Admission is granted to students with demonstrated academic competencies who are interested in a professional career in geography or geology.

Funding for graduate students in Geography and Geology is available through application for competitive graduate assistantships which carry both a stipend and fee waiver. Applications for graduate assistantships should be submitted directly to the Graduate Program Director in the Department of Geography, Geology and Planning. Additional graduate assistantships may also be available through listings by other departments and offices.

Admission requirements

The Department's Graduate Admissions Committee requests the following materials from each applicant:

1. A Graduate application;
2. Official transcripts from all previously attended institutions of higher education;
3. Graduate Record Examination scores;
4. Three letters of recommendation from persons familiar with the candidate's academic abilities and professional potential.
5. Separate application to the GGP Program Director for a graduate assistantship, if desired. The application for graduate assistantship is available at the Graduate College website.

Since no specific undergraduate major is required, some students may be admitted on a conditional basis if they lack sufficient academic experience to take the required core courses. In these cases, specific undergraduate courses may be required before full admission is granted. Undergraduates interested in this program are encouraged to include courses in cartography, aerial photography interpretation, statistics, chemistry, biology and environmental science. Calculus and physics may be required for studies in some areas of geology.

Accelerated Master's Degree option

Eligible Missouri State University undergraduate majors in Geography, Geospatial Sciences, Geology, and Planning may apply for preliminary acceptance into the Geography and Geology program after admission requirements for the accelerated masters option have been satisfied. If accepted, a maximum of 12 credit hours from approved graduate-level courses may be counted toward both the graduate and undergraduate degrees (Mixed Credit). This option allows students with advanced course work in Geography, Geospatial Sciences, Geology, or Planning to complete a masters degree in three full semesters and one summer semester. Students can choose from GEO 651, GEO 666, GEO 668, GLG 690, GLG 672, GLG 673, GLG 680. Contact the Department of Geography, Geology and Planning for further information and guidelines.

Admission Requirements for Accelerated Master's option

1. Junior standing, majoring in Geography, Geospatial Sciences, Geology or Planning with an overall GPA of 3.25.
2. Majors in Geology must have completed GLG 333 and have a GPA of 3.25 in all Geology courses. Majors in Geography and Geospatial Sciences must have completed GEO 561 and have a GPA of 3.25 in all geography and geospatial sciences courses.

3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate research advisor.

Advisement

- Each student must consult with the department's general graduate advisor before registering for the **first semester** of classes. Students who wish to start at some time other than the Fall semester should contact the GGP Graduate Program Director prior to applying to the program.
- Each student is encouraged to identify a thesis advisor and topic as soon as possible. This will permit the selection of an appropriate faculty advisor who, in consultation with the student, will help to identify a second member of the student's advisory committee. The third member of this committee will be assigned by the department.
- Once the membership of the advisory committee has been established, the student should rely upon its members for assistance in the selection of his/her elective courses, and for advice and direction in the thesis research.
- Until such time as the advisory committee has been formed, the student should continue to consult with the department's graduate advisor.

Program requirements

A minimum of 33 hrs with thesis; a minimum of 36 hours for the non-thesis option

Required Geospatial Sciences core (18 hours total)

| Course Code | Course Title | Credit Hours |
|---|---|------------------|
| GEO 700 | Introduction to Graduate Study in Geospatial Sciences | 3 hrs |
| GEO 701 | Research Methods in Geospatial Sciences | 3 hrs |
| GEO 705 | GGP Seminar (must repeat 3 of 4 semesters in program) | 3 hrs (total) |
| GRY 799 or GLG 799 or GEO 780 | Thesis Research or Seminar Paper or Research Paper in Geospatial Sciences | 3 hrs |
| | ONE of the following "advanced geospatial methods": | 3 hrs |
| GEO 651 | Remote Sensing | |
| GEO 661 | Applied Geographic Information Systems | |
| GEO 666 | Advanced Geographic Information Science | |
| GEO 672 | Introduction to Photogrammetry and LiDAR Technology | |
| | and ONE of the following "Digital Simulation and Visualization" | 3 hrs |

| | appropriate to the profession classes: | |
|-------------------------|---|--|
| GEO 662 | Internet Geospatial Science | |
| GEO 668 | Thematic Cartography | |
| GEO 669 | Landscape Analysis | |
| GLG 676 | Geoscience Computing | |

Research requirement (complete one)

Thesis Option

A student can take up to 3 hours of GRY 779 or GLG 779 plus up to 6 hours of GRY 799 or GLG 799. Successful completion of a thesis and thesis defense is required.

Non-Thesis Option

At the discretion of the faculty, a non-thesis option may be available to students in the program. Students using the non-thesis option must complete 3 hours of GRY 779 or GLG 779 plus 3 hours of GEO 780. Successful completion of a research project and scholarly report is required. The results of the research project must be presented orally at a departmental seminar or at a professional meeting and the student's advisor and the departmental Graduate Program Director must approve the written report on the research project. Students in the non-thesis option are not allowed to count thesis hours toward the 36 hour degree requirement.

Research options

Students should choose at least 15 additional hours in one of the following research areas.

Geography

Courses to include additional classes listed as 600-level or 700-level GRY courses as approved by the student's Research Committee. Classes not using the GRY prefix may be substituted by recommendation of the Research Committee and approval of the GGP Graduate Program Director.

Geology

Courses to include additional classes listed as 600-level or 700-level GLG courses as approved by the student's Research Committee. Classes not using the GLG prefix may be substituted by recommendation of the Research Committee and approval of the GGP Graduate Program Director.

Geospatial Science

Courses to include additional classes listed as 600-level GEO or GEO 755 or higher as approved by the student's Research Committee. Classes not using the GEO prefix may be substituted by recommendation of the Research Committee and approval of the GGP Graduate Program Director.

Planning

Courses to include additional classes listed as 600-level or 700-level PLN courses or 600-level or 700-level GRY courses as approved by the student's Research Committee. Classes not using the PLN or GRY prefix may be

substituted by recommendation of the Research Committee and approval of the GGP Graduate Program Director.

Comprehensive examination

A written comprehensive examination should be taken before the end of the second semester of full-time enrollment in the program. Students should ask each committee member to provide reading lists and/or study guides specific to their individual program of study at least 2 weeks in advance of the exam date. For students in the thesis option, the examination questions will be provided by the student's advisor and at least two other members of the student's thesis committee; for students in the non-thesis option, the examination questions will be provided by the student's advisor and two other members of the faculty selected by the GGP Graduate Program Director. The faculty members writing the examination questions shall determine what constitutes a passing mark for their component of the exam.


To pass the comprehensive exam, a student must pass all three components (a component is the question, or questions, from a single faculty member). If a student is deemed to have not passed a section, the faculty member grading that section will discuss with the student what the shortcomings were in the student's answer. A student may repeat any section(s) of the examination, upon recommendation of the GGP Graduate Program Director and approval of the Department Head. If a student fails to pass a section on the second attempt, the faculty grader for that section will provide a written report to the Major Advisor, GGP Graduate Program Director, and Department Head. If a student wishes to appeal the failed second attempt, the student must appeal in writing to the GGP Graduate Program Director and copy the Department Head. If an appeal is approved, the Department Head - in consultation with the Major Advisor and GGP Graduate Program Director - will appoint an objective third party to evaluate the initial two unsuccessful attempts and the third party will recommend either a Pass or Not-Pass finding. Based on the third-party review, a student can consider any further appeals following the Graduate College's policy on appeal of Comprehensive Examinations.

Students who have not passed the comprehensive examination by mid-term of their third academic semester of full-time study will not be permitted to continue in the program. If a student opts to change options after completing the comprehensive examination, the student must take and pass the examination specific to the new selected option before a degree will be awarded.



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Natural and Applied Science (Interdisciplinary Program)



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Natural and Applied Science

Director: **Kyoungtae Kim**

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assisitships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.





Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



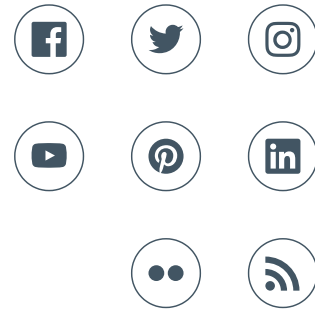


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Professional Studies: Environmental Management Option



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Graduate programs

Master of Professional Studies: Environmental Management Option

The Department of Geography, Geology and Planning participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(/Catalog/professionalstudies.htm\)](/Catalog/professionalstudies.htm) for more information.

Environmental Management Option required courses:





| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| GRY 731 | Environmental Assessment | 3 hrs |
| ECO 640 | Economics of the Environment | 3 hrs |
| | Elective Hours (6 hours chosen from following in consultation with advisor) | |
| BIO 632 | Principles of Fisheries Management | 3 hrs |
| BIO 662 | Limnology | 3 hrs |
| BIO 689 | Game Management | 3 hrs |
| BIO 726 | Advanced Limnology Methods | 3 hrs |
| CHM 660 | Chemistry of Environmental Systems | 3 hrs |
| PLN 671 | Land Use Planning | 3 hrs |
| PLN 674 | Open Space Planning | 3 hrs |
| GRY 748 | Physiography & Resource Conservation | 3 hrs |
| PLN 670 | Planning Law | 3 hrs |



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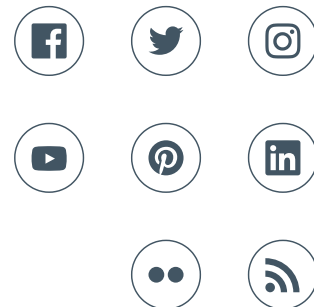
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Secondary Education: Earth Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Earth Science Area of Emphasis

Contact area of emphasis Dr. Melanie Carden-Jessen.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Prerequisite Earth Science requirements

A minimum of 24 hours in Science and/or Mathematics.

Earth Science requirements

1. [GLG 701](#), Geosystems - 3 hrs
2. [GLG 702](#), Geology for Secondary Teachers II - 3 hrs
3. Additional Geography and Geology course work - 9 hrs

Total - 15 hrs



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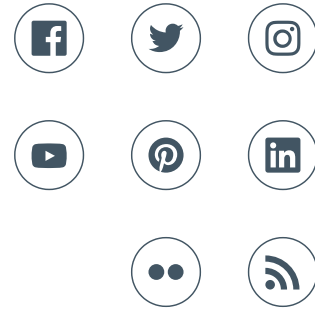
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Secondary Education: Geography Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Geography Area of Emphasis

Contact area of emphasis Dr. Melanie Carden-Jessen.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Prerequisite Geography requirements

A minimum of 24 hours in the social sciences including Economics, Geography, History, Political Science, Psychology, and Sociology.

Geography requirements

1. [GRY 700](#), Cultural Geography for Secondary Teachers I - 3 hrs
2. [GRY 703](#), Cultural Geography for Secondary Teachers II - 3 hrs
3. Additional Geography course work - 9 hrs

Total - 15 hrs

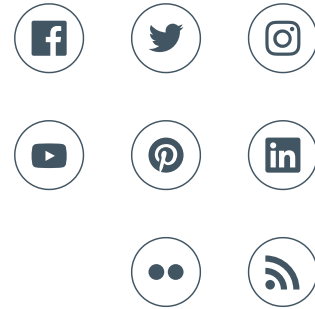


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Secondary Education: Natural Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Natural Science Area of Emphasis

Contact area of emphasis advisor Dr. Tamera Jahnke.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Natural Science prerequisite and requirements

In this option, students complete a minimum of 15 hours with course work selected from two of the following disciplines: Biology, Chemistry, Geography and/or Geology, Mathematics, and Physics.

A minimum of 3 hours of course work numbered 700 or above must be included.

The prerequisite requirements are those listed in the departmental statements of both selected academic areas of emphasis.




1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs

Total - 15 hrs



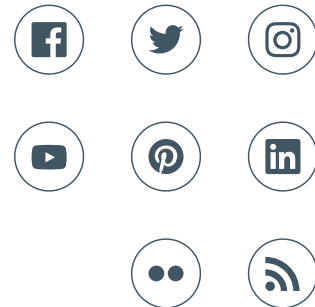
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Secondary Education: Social Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Michelle Morgan.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Prerequisite Social Science requirements

A minimum of 24 undergraduate hours in Social Sciences.

Social Science requirements

A minimum of 15 hours from Economics, Geography, History, Political Science, Psychology, & Sociology.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs


Total - 15 hrs




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Environmental Monitoring and Sampling



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Graduate programs

Certificate in Environmental Monitoring and Sampling

Melida Gutierrez, Certificate Advisor

Temple Hall, Room 319; Phone 417-836-5967

MGutierrez@MissouriState.edu (<mailto:MGutierrez@missouristate.edu>)

Program description

This certificate program is designed to provide graduate-level education in environmental monitoring and sampling including environmental application of geochemistry, water chemistry, sediment quality, groundwater and karst, and geophysical methods to sample and characterize soils, sediments and water to assess the degree and amount of potential contamination. It is anticipated that this program would be attractive to working professionals in such organizations as the US Geological Survey, the Missouri Department of Natural Resources,

Environmental Consulting Companies, Non-Profit environmental organizations and Earth science high school educators.

Admission criteria

The Environmental Monitoring and Sampling certificate program is open to all persons holding a BS, BA, MS, or PhD, degree. Student must, of course, satisfy all prerequisites for any courses they take in the program; or they must obtain instructor approval to waive any prerequisites. Once admitted to the program, the student must take a minimum of four courses as designated and approved by the program director and must have an average cumulative grade point average of 3.00 or better to receive the certificate.

Students who complete the four-course requirement for the certificate with a grade of B or better in each course may be admitted directly to the respective MS program in Geography and Geology if they so choose. This admission does not waive the necessity for students to take required prerequisites for other required courses that are part of the MS degree. The certificate credits taken will count toward the requirements for the MS degree.

Program requirements – 12 hours

Select 2 (6 hours) of the following 3 required courses:

| Course Code | Course Title | Credit Hours |
|-------------------------|-----------------------|--------------|
| GLG 680 | Geochemistry | 3 hrs |
| GLG 782 | Contaminant Hydrology | 3 hrs |
| GLG 690 | Applied Geophysics | 3 hrs |

Select 2 (6 hours) electives from the following list:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| GLG 647 | Water Resources | 3 hrs |
| GLG 672 | Geohydrology | 3 hrs |
| GLG 673 | Engineering Geology | 3 hrs |
| GRY 731 | Environmental Assessment | 3 hrs |
| CHM 660 | Chemistry of Environmental Systems: Water and Land | 3 hrs |
| GEO 770 | Advanced Field & Laboratory Methods | 3 hrs |

Other courses approved by the program coordinator and the departmental Director of Graduate Studies may be substituted for any of the above listed courses on a case-by-case basis. However, the certificate program


coordinator (in consultation with the departmental Director of Graduate Studies) must approve the substitution prior to the student enrolling in a course.

Completion requirements


Students must have an overall grade point average of 3.00 for completion of certificate program.




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Geospatial Information Sciences



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Certificate in Geospatial Information Sciences

Jun Luo, Certificate Advisor

Temple Hall, Room 308; Phone 417-836-4273

[JunLuo@MissouriState.edu](mailto:JunLuo@missouristate.edu) (mailto:JunLuo@missouristate.edu)

Program description

This certificate program is designed to provide graduate-level education in Geospatial Sciences including such focus areas as Geographic Information Systems, Internet Mapping, and Remote Sensing. It is anticipated that this program would be attractive to students in other MSU graduate programs such as Anthropology, Biology and Criminology as well as to working professionals in such organizations as the United States Geological Survey, the National Geospatial-Intelligence Agency, the United States Army Corps of Engineers, the U.S. Forest Service, the U.S. Fish and Wildlife Service, the National Park Service and numerous other federal, state and local agencies involved in the management of natural, cultural and historical resources.

Admission criteria

The Geospatial Information Sciences Certificate program is open to all persons holding a BS, BA, MS, or PhD degree. Students must, of course, satisfy all prerequisites for any courses they take in the program; or they must obtain instructor approval to waive specific prerequisites. Once admitted to the program, the student must take

a minimum of four courses as designated and approved by the program coordinator and must have an average cumulative grade point average of 3.00 or better to receive the certificate.

Students who complete the four-course requirements for the certificate with a grade of B or better in each course may be admitted directly to the MS program in Geospatial Sciences if they so choose. Students must go through the full application process for the MS degree. This admission does not waive the necessity for students to take required prerequisites for other required courses that are part of the MS program. The certificate credits taken will count toward the requirement for their MS degree.

Curriculum (12 hours total)

In consultation with the program coordinator, the student should select twelve hours of GEO courses numbered 651-699 or 755.


Completion requirements

Students must have an overall grade point average of 3.00 for completion of the certificate program.




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Petroleum Geology



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Certificate in Petroleum Geology

Doug Gouzie, Graduate Director

Temple Hall 375

417-836-5228

DouglasGouzie@missouristate.edu (mailto:DouglasGouzie@missouristate.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

The Certificate in Petroleum Geology provides students the opportunity to develop and demonstrate competencies that are in demand among employers in the petroleum and gas industry.

Admission criteria

A degree in an appropriate undergraduate program and a grade point average of 2.75 is required for admission.

Required courses - 12 hours total





| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| GLG 670 | Principles of Stratigraphy | 3 hrs |
| GLG 672 OR GLG 680 | Geohydrology OR Geochemistry | 3 hrs |
| GLG 674 | Petroleum Geology | 3 hrs |
| GLG 690 OR GLG 691 | Applied Geophysics OR Seismic Data Processing | 3 hrs |



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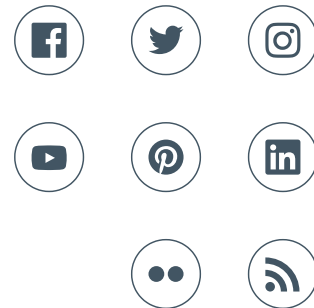
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Planning and Development



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Certificate in Planning and Development

Rajinder Jutla, Graduate Director

Temple Hall, Room 306; Phone 417-836-5298

RajinderJutla@MissouriState.edu (mailto:RajinderJutla@MissouriState.edu)

Program description

This certificate program is designed to provide graduate-level education in Community and Regional. It is anticipated that this program would be attractive to students in other MSU graduate programs in the sciences and social sciences as well as working professionals. Planning concepts and theory are especially useful for students pursuing degrees in Public Administration, Political Science, and Geospatial Sciences. The Community and Regional Planning certificate program emphasizes concepts and theories surrounding land use assessment, urban design, neighborhood planning, transportation planning, and tourism and planning and development.

Admission criteria

The Community and Regional Planning Certificate program is open to all persons holding a BS, BA, MS, or PhD degree. Students must, of course, satisfy all prerequisites for any courses they take in the program; or they must obtain instructor approval to waive specific prerequisites. Once admitted to the program, the student must take a minimum of four courses as designated and approved by the program coordinator and must have an average cumulative grade point average of 3.00 or better to receive the certificate.

Completion requirements

Students must have an overall grade point average of 3.00 for completion of the certificate program.

Required Courses (13 hours)

| Course Code | Course Title | Credit Hours |
|--|---|--------------|
| PLN 671 | Land Use Planning | 3 hrs |
| PLN 676 OR PLN 672 | Site Planning and Design Studio OR Community Planning Practicum | 4 hrs |
| Six hours from PLN courses above 600 or 700 level. | | 6 hrs |

Other courses approved by the program coordinator may be substituted for any of the above listed courses on a case-by-case basis. The certificate program coordinator must approve the substitution prior to enrolling in any course.





Completion requirements

Students must have an overall grade point average of 3.00 for completion of the certificate program.



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Sustainability



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Certificate in Sustainability

David Perkins, Program Director

Temple Hall, Room 316; Phone 417-836-5446

DavidPerkins@missouristate.edu (mailto:DavidPerkins@missouristate.edu)

MSU's Title IV Federal Financial Aid, for this certificate, is pending final approval of application to Department of Education. Check with the MSU Office of Financial Aid if you have questions.

Program description

Sustainability initiatives are becoming ubiquitous in society today for many corporations and government agencies at both national and international scales. The purpose of this graduate-level certificate is to provide an opportunity for either existing professionals or emerging professionals to grasp the multidisciplinary nature of sustainability as both a theoretical and applied field. A single required course, [GRY 708](#) (https://www.missouristate.edu/registrar/catalog/courses_gg.htm#GRY708) serves as the foundation for philosophical thought and the history of sustainability as it has evolved to what it is in today's world. The equal focus on economics, environment, and society, grounds the student in a balanced analysis and application of the ideas of sustainability across different Missouri State University departments. In total, the student should emerge from the certificate program with a renewed and more complete understanding of sustainability. This should assist

them in their future development whether it is moving to further graduate work or giving them the skills they can apply in their existing careers.

Admission requirements

All Missouri State University requirements granting admission to graduate certificate programs.

Certificate course requirements (12 hrs)





| Course Code | Course Title | Credit Hours |
|--------------------------------|---|--------------|
| <u>GRY 708</u> | Philosophy of Sustainability | 3 hrs |
| | | |
| | Select One Course from Economics Pillar | 3 hrs |
| <u>MGT 747</u> | International Management | |
| <u>ECO 620</u> | History of Economic Thought | |
| <u>ECO 640</u> | Economics of the Environment | |
| <u>GRY 610</u> | Applications in Sustainable Geo-tourism | |
| | | |
| | Select one course from Environmental Pillar | 3 hrs |
| <u>GRY 645</u> | Global Environmental Change | |
| <u>GRY 731</u> | Environmental Assessment | |
| <u>BIO 602</u> | Sustainability Research in Practice | |
| | | |
| | Select one course from Society Pillar | 3 hrs |
| <u>ANT 614</u> | Anthropology of Development | |
| <u>ANT 645</u> | Cultural Resource Management | |
| <u>PLN 605</u> | Social Planning | |
| <u>LAW 637</u> | Environmental Regulations | |
| <u>PLS 673</u> | Policy Analysis | |
| <u>PLS 763</u> | The Policy Process | |

Certificate requirements

Students must have an overall GPA of 3.00 for completion of the program.

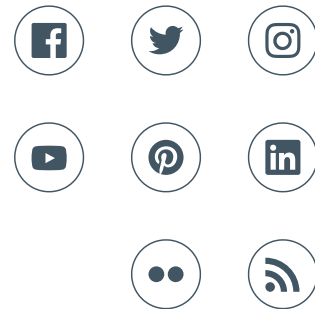


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Department of Hospitality Leadership

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Professional Studies: Hospitality Administration](#)

[Option \(MPS\)](#) 

Certificates

[Hospitality Administration](#) (Certificate) 

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Hospitality Leadership](#) (HSP) courses

Contact

Department head

Stephanie Hein

Office

Pummill Hall, Room 300

Phone

417-836-4409

Fax

417-836-7673

Email


hospitality@MissouriState.edu
(mailto:hospitality@MissouriState.edu)

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(https://hospitality.missouristate.edu/)




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Hospitality Leadership Graduate Faculty

Associate professors

Stephanie G. Hein

Albert Barreda

Assistant professors

Liza Cobos

Yoshimasa Kageyama

Emeritus faculty

Daniel Crafts




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Hospitality Leadership Courses

Hospitality Leadership (HSP) courses

HSP 710 Risk Management and Legal Compliance in the Hospitality Industry

In-depth studies of legal issues pertinent to hospitality and tourism firms are the focus of this course. Topical areas include contracts, negligence, and employment, labor, and real estate law. Treaties and international law affecting global trade policy as well as international tourism development receive heavy emphasis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HSP 720 Hospitality Change Management and Leadership

An in-depth investigation of the principles and theories of leading change in hospitality organizations. The processes, skills, and abilities needed to manage change in the industry are stressed. Attention is given to areas hospitality leaders need to address when initiating change such as vision development, team development and motivation, power and influence, performance standards, productivity, and organizational culture. Case studies will be used extensively to address course content.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HSP 730 Seminar in Hospitality and Tourism

Prerequisite: HSP 710 and HSP 720.

An evaluation and analysis of the theory, research, and practice involved in hospitality and tourism fields. The course involves an integrative learning experience where students will have the opportunity to engage in an applied research project.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

HSP 798 Field Experience in Hospitality Administration


Prerequisite: HSP 710 and HSP 720; and HSP 730 or concurrent enrollment; and application approval.

The field experience is the culminating course for students in the Hospitality Administration Certificate Program. This course provides the students with direct leadership experience in the hospitality industry. Possible field experience sites include hotels, restaurants, institutional foodservice operations, country clubs, senior living facilities, convention and visitors bureaus, tourism-related companies, stadiums, entertainment venues, cruise lines, and many others. An intentional match will be made between the student's career aspirations, the field experience site, and the industry segment. Student must successfully complete at least 300 hours of field experience and well as a seminar paper.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | | | Upon demand |

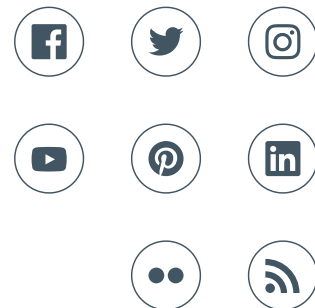


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Professional Studies: Hospitality Administration Option



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Master of Professional Studies: Hospitality Administration Option

The Department of Hospitality Leadership participates in the Master of Professional Studies (MPS) degree. The MPS is a cross-disciplinary program which features enhancement of administrative abilities with an area of emphasis. The program is designed to meet the needs of individuals who are established in careers and are seeking professional growth and advancement within their vocations. The 33-hour program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to enhanced administrative roles within organizations.

A **required core of 24 hours** is taken in addition to the option requirements listed below. See [MPS Program \(https://graduate.missouristate.edu/catalog/administrativestudies.htm\)](https://graduate.missouristate.edu/catalog/administrativestudies.htm) for more information.

Required courses

| Course Code | Course Title | Credit Hours |
|-------------|--------------|--------------|
|-------------|--------------|--------------|





| Course Code | Course Title | Credit Hours |
|-------------|--|---------------|
| HSP 710 | Risk Management & Legal Compliance in the Hospitality Industry | 3 hrs |
| HSP 720 | Hospitality Change Management and Leadership | 3 hrs |
| HSP 730 | Seminar in Hospitality and Tourism | 3 hrs |
| HSP 798 | Field Experience in Hospitality Administration | 3 hrs |
| | Total (Minimum) | 12 hrs |



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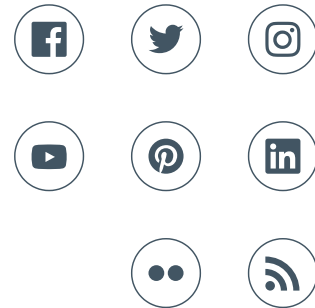
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Hospitality Administration



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Certificate in Hospitality Administration

Stephanie Hein, Program Director

Pummill Hall, Room 300M; Phone 417-836-5159

StephanieHein@MissouriState.edu (mailto:StephanieHein@MissouriState.edu)

The Hospitality Administration Graduate Certificate program is a 12-hour program that includes one three-hour field experience course in addition to nine hours of online study. It is designed to prepare graduates for mid to upper-level management positions in the hospitality industry.

Admission criteria

Admission to the certificate program.

Required courses

| Course Code | Course Title | Credit Hours |
|-------------|--|--------------|
| HSP 710 | Risk Management & Legal Compliance in the Hospitality Industry | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------|--|---------------|
| HSP 720 | Hospitality Change Management and Leadership | 3 hrs |
| HSP 730 | Seminar in Hospitality and Tourism | 3 hrs |
| HSP 798 | Field Experience in Hospitality Administration | 3 hrs |
| | Total (Minimum) | 12 hrs |


GPA requirements

Successful completion of the 12 hours of required courses with a combined grade point average of at least 3.00.





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Mathematics Graduate Faculty

Distinguished professors

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Paula Kemp

Xingping Sun

Professors

Richard Belshoff

William Bray

Kanghui Guo

J. Kurt Killion

Shelby Kilmer

Gay Ragan

Jorge Rebaza

Les Reid

Mark Rogers

Kishor Shah

Yingcai Su

Cameron Wickham

Songfeng Zheng

Associate professors

Adam Harbaugh

Steven Senger

Patrick Sullivan

Matthew Wright

Instructor

Joann Barnett

Emeritus professors

Earl E. Bilyeu

Yungchen Cheng

James Downing

Frank Gillespie

Shirley Huffman

John Kubicek

David Lehmann

George Mathew

E. Rebecca Matthews

Neil Pamperien

Clyde Paul

Lynda Plymate

Clayton Sherman

Vera Stanojevic

Woodrow Sun

William Sutherlin





Joe Wise

Liang-Cheng Zhang

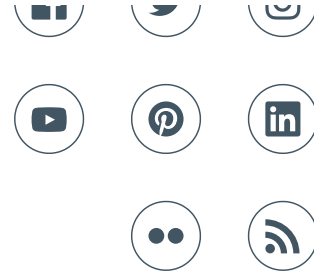


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Missouri State


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Department of Mathematics


Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Mathematics \(MS\)](#) 

[Natural and Applied Science with an area of emphasis in Mathematics \(MNAS\)](#) 

[Secondary Education: Mathematics Area of](#)

[Emphasis \(MSEd\)](#) 

[Secondary Education: Natural Science Area of Emphasis \(MSEd\)](#)

Accreditation

- Missouri Department of Elementary and Secondary Education – Mathematics (BSEd), and Secondary Education/Mathematics (MSEd)
- Council for the Accreditation of Educator Preparation – Mathematics (BSEd), and Secondary Education/Mathematics (MSEd)

Contact

Department head

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Missouri State

Graduate College

Graduate Catalog

Mathematics Courses

Mathematics (MTH) courses

MTH 603 Advanced Calculus I

Prerequisite: MTH 280 and MTH 315.

Concepts of limit, continuity, differentiation, Riemann integration, sequences and series, other related topics. May be taught concurrently with MTH 503. Cannot receive credit for both MTH 503 and MTH 603.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MTH 604 Advanced Calculus II

Prerequisite: MTH 302; and MTH 503 or MTH 603.

This is a continuation of MTH 603, including sequences and series of functions, uniform convergence, multivariate calculus, and other selected topics. May be taught concurrently with MTH 504. Cannot receive credit for both MTH 504 and MTH 604.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 605 Theory of Functions of a Complex Variable

Prerequisite: MTH 280 and MTH 315.

Theory of elementary functions-polynomial, trigonometric, exponential, hyperbolic, logarithmic-of a complex variable; their derivatives, integrals; power series; other selected topics. May be taught concurrently with MTH 506. Cannot receive credit for both MTH 506 and MTH 605.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 607 Introduction to Partial Differential Equations

Prerequisite: MTH 302 and MTH 303 and MTH 315.

Introduction to linear first and second order partial differential equations, including some formal methods of finding general solutions; the Cauchy problem for such equations, existence theorems, formal methods of finding the solution, and the role of characteristics; the classical boundary and initial value problems for the wave equation, heat equation and the boundary value problems for Laplace's equation. May be taught concurrently with MTH 507. Cannot receive credit for both MTH 507 and MTH 607.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 611 High School Mathematics from an Advanced Perspective

Prerequisite: permission of instructor.

The focus of the course will be on relating what the mathematics students have learned in upper-level courses to what they will be teaching when they are in the high school classroom. The students' ability to reason and problem-solve mathematically and to model real-world problems in a mathematical context will be developed so they will be able to pass these abilities on to their own students. If there is a sufficient demand, an online component may be offered. May be taught concurrently with MTH 510. Cannot receive credit for both MTH 611 and MTH 510.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MTH 631 Introduction to Abstract Algebra

Prerequisite: MTH 302 and MTH 315.

Theory of groups, rings, integral domains, fields, polynomials. May be taught concurrently with MTH 532. Cannot receive credit for both MTH 532 and MTH 631.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MTH 634 Linear Algebra II

Prerequisite: MTH 333.

Topics include eigenvalue problems; Jordan normal form, linear functionals, bilinear forms, quadratic forms, orthogonal and unitary transformations, Markov processes, and other topics selected by the instructor. May be taught concurrently with MTH 534. Cannot receive credit for both MTH 534 and MTH 634.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 636 Theory of Numbers

Prerequisite: MTH 302 and MTH 315.

Factorization, Euler totient function, congruences, primitive roots, quadratic residues and reciprocity law. May be taught concurrently with MTH 536. Cannot receive credit for both MTH 536 and MTH 636.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 637 Applied Abstract Algebra

Prerequisite: MTH 333 or MTH 532 or MTH 632.

Topics typically include finite fields, block designs, error-correcting codes (nonlinear, linear, cyclic, BCH, and Reed-Solomon codes), cryptography, and computer implementation of these applications. May be taught concurrently with MTH 537. Cannot receive credit for both MTH 537 and MTH 637.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 640 Statistical Theory I

Prerequisite: MTH 302.

Random variables, discrete and continuous probability functions, expectation, moment-generating functions, transformation of variables. May be taught concurrently with MTH 540. Cannot receive credit for both MTH 540 and MTH 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MTH 643 Statistical Theory II

Prerequisite: MTH 540 or MTH 640 or equivalent.

Estimation, complete and sufficient statistics, maximum likelihood estimation, hypothesis testing, nonparametric statistics. May be taught concurrently with MTH 541. Cannot receive credit for both MTH 541 and MTH 643.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MTH 645 Applied Statistics

A course on statistical concepts, methods and data analysis with emphasis on assumptions and effects on violating those assumptions. Computer statistical packages will be used. Topics include statistical models, random sampling, normal distribution, estimation, confidence intervals, tests and inferences in single and two populations, and n-way analysis of variance. May be taught concurrently with MTH 545. Cannot receive credit for both MTH 545 and MTH 645.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MTH 646 Analysis of Variance and Design of Experiments

Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

Topics include analysis of variance, estimation of variance components, randomized incomplete blocks, Latin squares, factorial nested, split-plot designs, fixed, random and mixed models. May be taught concurrently with MTH 546. Cannot receive credit for both MTH 546 and MTH 646.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| | | | |

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 647 Applied Regression Analysis

Prerequisite: MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

Topics include fitting a straight line, matrix models, residuals, selecting best equation, multiple regression, and nonlinear estimation. May be taught concurrently with MTH 547. Cannot receive credit for both MTH 547 and MTH 647.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 648 Applied Time Series Analysis

Prerequisite: MTH 540 or MTH 640; and MTH 345 or MTH 541 or MTH 643 or MTH 545 or MTH 645.

This course will study the analysis of data observed at different points of time. Topics include stationary and non-stationary time series models, linear time series models, autoregressive models, autocorrelations, partial autocorrelations, moving average models, ARMA models, ARIMA models, forecasting, prediction limits, model specification, least square estimation, and seasonal time series models. Computer statistical packages will be used. May be taught concurrently with MTH 548. Cannot receive credit for both MTH 548 and MTH 648.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MTH 653 Stochastic Modeling

Prerequisite: MTH 540 or MTH 640.

This course will study applications of probability and statistics from a modeling point of view. Topics include generating functions, branching processes, discrete time Markov chains, classification of states, estimation of transition probabilities, continuous time Markov Chains, Poisson processes, birth and death processes, renewal theory, queuing systems, Brownian motion, and stationary processes. Computer statistical packages will be used. May be taught concurrently with MTH 543. Cannot receive credit for both MTH 543 and MTH 653.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MTH 667 Introduction to Non-Euclidean Geometry

Prerequisite: MTH 302 and MTH 315.

Development of non-Euclidean geometries; intensive study of hyperbolic geometry. May be taught concurrently with MTH 567. Cannot receive credit for both MTH 567 and MTH 667.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MTH 670 Combinatorial Analysis

Prerequisite: MTH 280 and MTH 315.

An introduction to combinatorial analysis including enumeration methods, combinatorial identities with applications to the calculus of finite differences and difference equations. May be taught concurrently with MTH 570. Cannot receive credit for both MTH 570 and MTH 670.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 675 History of Mathematics

Prerequisite: MTH 302 and MTH 315.

Development of mathematics through the calculus; solution of problems of historical interest, problems which use historically significant techniques; problems whose solutions illuminate significant mathematical characteristics of elementary mathematics. May be taught concurrently with MTH 575. Cannot receive credit for both MTH 575 and MTH 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MTH 680 Applied Mathematics

Prerequisite: MTH 303 and MTH 333.

An introduction to several areas of applied mathematics including control theory, optimization, modeling of population dynamics, modeling of mathematical economics, minimax and game theory, and calculus of variations. May be taught concurrently with MTH 580. Cannot receive credit for both MTH 580 and MTH 680.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 682 Introductory Topology

Prerequisite: MTH 302 and MTH 315.

Properties of abstract metric and topological spaces; discussion of concepts of compactness and connectedness. May be taught concurrently with MTH 582. Cannot receive credit for both MTH 582 and MTH 682.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 696 Readings

Prerequisite: permission of department head.

Periodic conferences with an advisor are required. May be repeated to a total of 6 hours. May be taught concurrently with MTH 596. Cannot receive credit for both MTH 596 and MTH 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Fall, Spring |

MTH 701 Real Analysis

Prerequisite: MTH 503 or MTH 603.

Topics include countable and uncountable sets, convergence, Lebesgue measure on the real line, the development of the Lebesgue integral, the fundamental theorem of calculus and L_p spaces.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 702 Real and Abstract Analysis

Prerequisite: MTH 701.

A study of the theory of abstract measures and integration, and an introduction to functional analysis.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 706 Complex Analysis

Prerequisite: MTH 503 or MTH 603.

Analytic functions, power series, Cauchy's theorem and its applications, residues. Selected topics from conformal mapping, analytic continuation, harmonic functions, Fourier series, and Dirichlet problems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 710 Contemporary Mathematics for Secondary Teachers

Prerequisite: MTH 460 and MTH 333.

Reports, research, and recent trends in secondary mathematics; recently developed programs in algebra and geometry.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 721 Theory of Ordinary Differential Equations I

Prerequisite: MTH 303; and MTH 503 or MTH 603.

Existence and uniqueness theorems for first order differential equations; system of linear and nonlinear differential equations; continuous dependence of solutions on initial conditions and parameters; behavior of solutions of equations with constant coefficients, study of Lyapunov's theorems on stability; introduction to boundary value problems.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 722 Theory of Ordinary Differential Equations II

Prerequisite: MTH 721.

Theory and application of boundary value problems; periodic solutions; linear systems with periodic coefficients (Floquet theory); two dimensional (autonomous) systems limit cycles. Differential equations under Caratheodory conditions; theory of differential and integral inequalities and other selected topics, if time permits.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 730 Abstract Algebra I

Prerequisite: MTH 532 or MTH 631; and MTH 333.

Topics from group theory will include Cayley's Theorem, finite abelian groups, Cauchy's Theorem, the Sylow Theorems, and free groups.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 732 Abstract Algebra II

Prerequisite: MTH 730.

Topics from ring theory will include the Chinese Remainder Theorem, Euclidean domains, rings of fractions, PID's and UFD's, and polynomial rings. Topics from field theory will include splitting fields, Galois Theory, separability, normality, and finite fields.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 741 Statistical Inference I

Prerequisite: MTH 540 or MTH 640 or equivalent.

Formulation of statistical models, sufficiency and exponential families, methods of estimation, optimality theory. Uniformly minimum variance unbiased estimators, Fisher information, Cramer/Rao inequality, large sample theory, Bayes procedures and minimax procedures.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 742 Statistical Inference II

Prerequisite: MTH 741.

Confidence intervals and regions, hypothesis testing, the Neyman-Pearson framework, uniformly most powerful tests, likelihood ratio criteria, power functions, similar regions, invariant tests, distribution free tests.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 750 Number and Operations for Elementary Mathematics Specialists

Prerequisite: Two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 730.

This course is designed to develop an understanding of the learning and teaching of pre-number concepts, counting and cardinality, and numbers and operations in base ten. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MEd Secondary Education (Mathematics) program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 752 Rational Numbers and Proportional Thinking for Elementary Mathematics Specialists

Prerequisite: MTH 750 and permission of program coordinator; and concurrent enrollment in ELE 732.

This course is designed to develop an understanding of the learning and teaching of rational numbers and ratio and proportional relationships. Emphasis will be given to how children think about and learn these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MEd Secondary Education (Mathematics) program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 754 Algebraic Reasoning for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 734.

This course will focus on the content and complexities of teaching and assessing algebraic reasoning in grade 1-6 settings. Course content will include examination of representation and analysis of mathematical situations and structures. Attention will be given to patterns, functions, and the transition from arithmetic to algebra. This course cannot be used within the MS Mathematics program or the MEd Secondary Education (Mathematics) program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 758 Data and Probability for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator.

This course is designed to develop understanding of probabilistic reasoning and the collection, exploration, and analysis of data. Emphasis will be given to how children think and learn about these concepts and how they fit into the elementary school curriculum. This course cannot be used within the MS Mathematics program or the MEd Secondary Education (Mathematics) program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 760 Geometry and Measurement for Elementary Mathematics Specialist

Prerequisite: two years teaching experience and permission of program coordinator; and concurrently enrollment in ELE 738.

This course is designed to develop an understanding of the teaching and learning of geometry and measurement. Emphasis will be given to how children think about and learn these concepts and how they fit into an elementary curriculum. This course cannot be used within the MS Mathematics program or the MEd Secondary Education (Mathematics) program.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 781 Topology

Point set topology in abstract spaces.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 791 Seminar I

Seminar in Mathematics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MTH 792 Seminar II

Seminar in Mathematics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall, Spring |

MTH 796 Science Internship

Completion of an internship project (at least 80 hours per credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree. This course may only be counted toward the PSM designation of the MNAS degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

MTH 797 Topics

Prerequisite: permission of department head.

Material covered determined by the interests and backgrounds of the students. May be repeated for a maximum of 6 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

MTH 798 Research

Supervised research in mathematics or mathematics education. May be repeated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |

MTH 799 Projects


Independent research for thesis preparation.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Fall, Spring |





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Graduate programs

Master of Science, Mathematics

Entrance requirements

Students seeking admission to the Master of Science program in mathematics must meet the general Graduate College requirements for admission as degree-seeking students. In addition, students must have the following.

1. Students must have credit for MTH 503 Advanced Calculus; MTH 532 Abstract Algebra; MTH 540 Statistical Theory I, or equivalent courses.
2. Students must have a GPA, in upper division mathematics courses beyond the first calculus sequence, of 3.00 or higher on a 4.00 scale.

Students who do not meet conditions 1 and 2 above may be admitted conditionally. Deficiencies must be made up with B grades or above in courses approved by the mathematics department. Credit in such courses will not count toward the total hours required for the Master of Science in mathematics.

Degree requirements (minimum of 32 hours)

1. A minimum of 18 semester hours of 700 level mathematics courses (except MTH 796). At least one of the following four courses must be completed:
 - a. [MTH 702](#) Real and Abstract Analysis
 - b. [MTH 732](#) Abstract Algebra II
 - c. [MTH 722](#) Theory of Ordinary Differential Equations II
 - d. [MTH 742](#) Statistical Inference IIStudents planning to continue to a PhD degree are strongly advised to take the analysis and algebra sequences.
2. **Mathematics Electives.** From 4 to 15 elective hours in mathematics, dependent upon hours of research and other electives.
3. **Related Electives.** A maximum of 6 hours of elective courses in fields related to mathematics may be taken with the approval of the student's advisor.
4. **Research Requirements.** 1-6 semester hours of course work from [MTH 791](#), [MTH 792](#), [MTH 798](#), or [MTH 799](#), but a maximum of 6 semester hours may be applied toward the requirement for the MS degree. This requirement will be met in one of the following ways:
 - a. *Option I:* Completion of a satisfactory thesis in the candidate's discipline. Thesis credit shall be no more than 6 semester hours of the minimum 32 hours required for a master's degree.
 - b. *Option II:* Completion of a minimum of one seminar paper (MTH 791). This requires writing a paper and presenting it to the department.
5. **Comprehensive Examination.** A comprehensive examination must be passed by the candidate before a degree will be granted.

Accelerated Master's option

The Accelerated Master's Program option in Mathematics provides an opportunity for outstanding undergraduate students to begin their graduate course work during their senior year. To be eligible to apply for admission to this program, the student must have completed at least three of the courses MTH 333, MTH 503, MTH 532, and MTH 540; have a GPA of 3.5 or higher in all mathematics courses numbered MTH 261 or higher. An eligible student may apply for admission during the second semester of the junior year.

If accepted into the accelerated program, up to a maximum of 9 hours of 600/700 level mathematics courses taken after admission into the program may be given credit for both undergraduate and graduate programs. The courses MTH 603, MTH 631, and MTH 640 will not be given credit in the graduate program.





A student is fully admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the master's program should be met for graduation from the master's program.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the course toward the masters degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and the dean of the Graduate college. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.



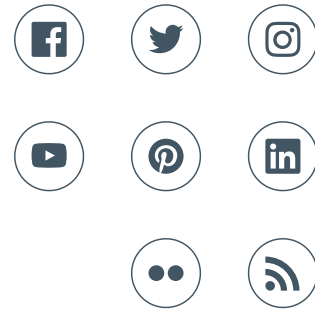


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Graduate Catalog

Natural and Applied Science (Interdisciplinary Program)



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Graduate programs

Natural and Applied Science

Director: Kyoungtae Kim

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assistships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.





Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



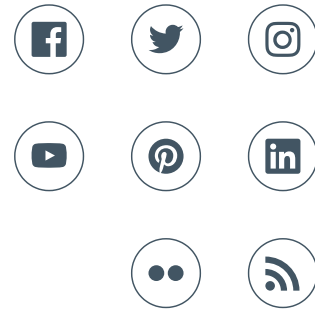


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Missouri State

Graduate College

Graduate Catalog

Secondary Education: Mathematics Area of Emphasis



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Master of Science in Education, Secondary Education: Mathematics Area of Emphasis

Contact area of emphasis Dr. Gay Ragan.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Prerequisite Mathematics requirements

1. [MTH 315](#) or equivalent; and
2. [MTH 302](#) or equivalent.

Mathematics requirements

Students must take 15 hours of Mathematics courses for the emphasis area as follows.

1. [MTH 710](#) Contemporary Mathematics for Secondary Teachers - 3 hrs

2. Additional Course work in Mathematics - 12 hrs

Accelerated master's option


The accelerated master's program option in Secondary Education, Mathematics provides an opportunity for outstanding undergraduate students to begin their graduate course work during their senior year. To be eligible to apply for admission to this program, the student must have completed [MTH 302](https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH302) (https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH302), [MTH 333](https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH333) (https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH333), and [MTH 460](https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH460) (https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH460); and have a GPA of 3.5 or higher in all mathematics courses numbered [MTH 261](https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH261) (https://www.missouristate.edu/registrar/catalog/courses_ma.htm#MTH261) or higher. An eligible student may apply for admission during the second semester of the junior year. If accepted into the accelerated program, up to a maximum of 9 hours of coursework may be double counted in both the undergraduate and graduate programs. Specifically the courses that can be double counted in both programs are [MTH 603](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH603) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH603) and [631](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH631) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH631) and one from the list: [MTH 611](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH611) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH611), [MTH 636](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH636) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH636), [MTH 640](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH640) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH640) and [MTH 667](https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH667) (https://graduate.missouristate.edu/catalog/Mathematics_courses.htm#MTH667). A student is fully admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the master's program should be met for graduation from the master's program. Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the course toward the masters degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and the dean of the Graduate college. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.




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Missouri State


Graduate College

Graduate Catalog

Department of Physics, Astronomy and Materials Science

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

[Materials Science \(MS\)](#) 

[Natural and Applied Science with an area of
emphasis in Physics \(MNAS\)](#) 

[Secondary Education: Natural Science Area of
Emphasis \(MSEd\)](#)

[Secondary Education: Physics Area of Emphasis
\(MSEd\)](#)

Accreditation

- Missouri Department of Elementary and Secondary Education – Physics Education (BSEd), and Secondary Education/Physics (MSEd)
- Council for the Accreditation of Educator Preparation – Physics Education (BSEd), and Secondary Education/Physics (MSEd)

Contact

Department head

Bob Mayanovic

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Email

Physics@missouristate.edu
(mailto:Physics@missouristate.edu)

Website





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(https://physics.missouristate.edu/)



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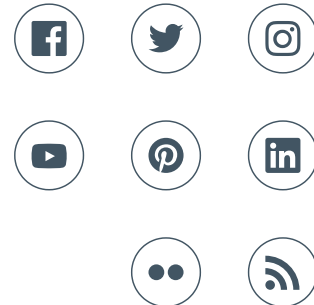
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Graduate Catalog

Secondary Education: Natural Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Natural Science Area of Emphasis

Contact area of emphasis advisor Dr. Tamera Jahnke.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Natural Science prerequisite and requirements

In this option, students complete a minimum of 15 hours with course work selected from two of the following disciplines: Biology, Chemistry, Geography and/or Geology, Mathematics, and Physics.

A minimum of 3 hours of course work numbered 700 or above must be included.

The prerequisite requirements are those listed in the departmental statements of both selected academic areas of emphasis.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs





Total - 15 hrs



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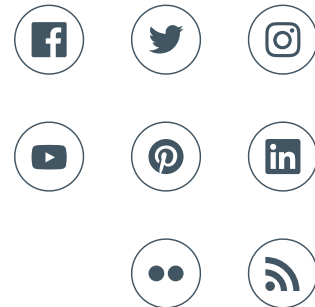
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Physics, Astronomy and Materials Science Graduate Faculty

Distinguished professors

Kartik C. Ghosh

Robert A. Mayanovic

Associate professors

Lifeng Dong

Maria Stepanova

Professors

David M. Cornelison

Shyang Huang

Saibal Mitra

Emmett R. Redd

Michael D. Reed

Ridwan Sakidja

Assistant professors

Tigler Besara

Evan Frodermann

Emeritus professors

Ryan Giedd

Kandiah Manivannan

Bruno Schmidt

Robert Whitaker

George W. Wolf



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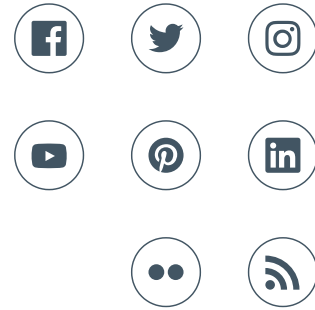
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Missouri State

Graduate College

Graduate Catalog

Physics, Astronomy and Materials Science Courses

Astronomy (AST) courses

AST 613 Solar and Extra-Solar Systems

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Formation of planetary systems, planetary dynamics, and comparative planetology. Project required. May be taught concurrently with AST 313 and/or AST 513. May only receive credit for one of AST 313, AST 513, and AST 613.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

AST 615 Stellar Structure and Evolution

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Basic concepts of stellar structure, atmospheres, and evolution. Project required. May be taught concurrently with AST 315 and/or AST 615. May only receive credit for one of AST 315, AST 515, and AST 615.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-----------------------------|
| 3 | 3 | 0 | Spring (odd-numbered years) |

AST 617 Galaxies and Cosmology

Prerequisite: AST 113 or AST 114 or AST 115; and MTH 303.

Study of galaxies and the Universe. Topics include the structure and content of our Galaxy and other galaxies, clusters of galaxies, the Big Bang theory (including Inflation), and the eventual fate of our Universe. Project required. May be taught concurrently with AST 317 and/or 617. May only receive credit for one of AST 317, AST 517, and AST 617.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|------------------------------|
| 3 | 3 | 0 | Spring (even-numbered years) |

AST 711 Astronomy for Teachers

Theory and techniques of observational astronomy.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 2 | 2 | Upon demand |

AST 719 Advanced Astronomical Techniques

Advanced astronomical observational techniques in imaging, photometry, spectroscopy, and astrometry. Techniques of data and error analysis. Laboratory portion will include obtaining and analyzing observational data.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 2 | 2 | Fall (odd-numbered years) |

Materials Science (MAT) courses

MAT 609 Special Topics in Materials Science

Prerequisite: permission of instructor.

Variable content course. Topics to be chosen from current areas of interest in Materials Science. May be repeated to a total of 6 hours with a different topic. May be taught concurrently with MAT 509. Cannot receive credit for both MAT 509 and MAT 609.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
|--------------|-----------------------|-------------------|-------------------|

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

MAT 614 Techniques in Electron Microscopy

An introduction to techniques in electron microscopy with a primary emphasis on scanning electron microscopy and X-ray microanalysis. Theoretical background and experimental procedures involve both techniques but the major focus will be on obtaining secondary electron images. Additional coverage will include sample preparation, back-scattered electron imaging, X-ray mapping, and related image processing techniques. May be taught concurrently with MAT 514. Cannot receive credit for both MAT 514 and MAT 614.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------------|
| 2 | 1 | 2 | Fall (even-numbered years) |

MAT 640 Thermodynamics of Materials

Prerequisite: PHY 343 or CHM 506 or CHM 606.

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical interpretation of entropy, unary and multi-component systems, thermodynamics of phase diagrams and phase equilibrium. May be taught concurrently with MAT 540. Cannot receive credit for both MAT 540 and MAT 640.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MAT 651 Introduction to Materials Science

Prerequisite: PHY 375 or CHM 507 or CHM 607.

Investigation of the relationships that exist between the structure, properties, processing and performance of materials. Different types of materials will be studied with a special emphasis on polymers and semiconductors. Structure-property correlations, including electronic, thermal, and mechanical properties, will be presented for these materials. May be taught concurrently with MAT 550. Cannot receive credit for both MAT 550 and MAT 651.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MAT 681 Structure of Solids

Prerequisite: PHY 375 or CHM 507 or CHM 607.

Review of quantum mechanics, followed by an in-depth study of crystal structures, energy band structures in solids, lattice dynamics, and a survey of the physical properties of solids. May be taught concurrently with MAT 580. Cannot receive credit for both MAT 580 and MAT 681.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

MAT 720 Advanced Quantum Mechanics

Advanced topics in quantum mechanics including variational methods, approximation techniques, time-independent and time-dependent perturbation theory, second quantization, and the interactions of light with matter.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MAT 750 Experimental Design

Laboratory techniques necessary for the development of instrumentation. Topics will include elementary computer interfacing, prototype design, mechanical and electronic construction, and reliability testing. The student will develop, design and build a test instrument and study each of the above topics during this process.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Fall |

MAT 758 Optoelectronic Materials

Course includes the study of advanced electronic properties of materials, lattice dynamics, and a survey of the optical-electronic interactions in materials.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MAT 770 Synthesis and Characterization of Advanced Materials

Experimental techniques in the synthesis of advanced materials applications in electronics and energy technology. The mechanism of growth of thin films using different deposition techniques will be studied. Structural and physical characterization of the thin films will also be studied. Experimental methods including physical vapor deposition, X-ray diffraction, and optical spectroscopies and analysis will be studied.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring |

MAT 780 Polymer Preparation and Characterization

Preparation of polymers, including the techniques of condensation polymerization, free radical polymerization, and if time permits, plasma polymerization. Characterization experiments will be viscosity measurements, differential scanning calorimetry, and thermal gravimetric analysis. Film preparation including spin coating, aspiration, and doctor blade systems will also be investigated.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Spring |

MAT 790 Statistical Applications in Materials Science

Selective topics in materials science important to the design, testing, fabrication, and manufacture of materials whose underlying theme is mathematical modeling based in statistical methods. The topics include mass transport in solids, atomic diffusion on surfaces, adsorption and desorption on surfaces, epitaxial growth, degradation of materials, queuing theory, and operations research.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Spring |

MAT 792 Introduction to Computational Materials Science

Prerequisite: PHY 575 or PHY 675 or equivalent Introduction to Quantum Mechanics course.

The course aims to provide an introduction to and practical applications in high-performance computing as implemented in atomistic-based computational materials science. Topics include electronic structure calculations, classical molecular dynamics, Monte-Carlo simulations and crystal structure predictions for materials processes and/or fundamental materials properties.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

MAT 796 Science Internship

Completion of an internship project (480 hours) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

MAT 798 Seminar in Materials Science

Prerequisite: candidate for the MS degree in Materials Science.

Selected topics in materials science of a theoretical, experimental, or applied nature with an emphasis on recent developments and their impact. May be repeated for a maximum of 4 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | | | Spring |

MAT 799 Research in Materials Science

Prerequisite: permission.

Supervised research in areas of materials science. May be repeated, but no more than 12 hours may be counted toward the MS degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

Physics (PHY) courses

PHY 602 Physics and Astronomy By Inquiry

Prerequisite: PHY 101.

This course is a continuation of PHY 101. Additional topics in mechanics, optics, heat, electricity and magnetism will be covered. The course will also include an introduction to Astronomy. Concepts will be explored using the inquiry approach. Will not count towards a major or minor in physics. May be taught concurrently with PHY 501. Cannot receive credit for both PHY 501 and PHY 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 1 | 2 | Fall |

PHY 609 Special Topics in Physics and Astronomy

Prerequisite: permission.

Variable content, variable credit course. Topics to be chosen from current areas of interest. May be repeated to a total of 6 hours with different topic. May be taught concurrently with PHY 509. Cannot receive credit for both PHY 609 and PHY 509.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PHY 675 Quantum Mechanics

Prerequisite: PHY 375 or CHM 607.

A mathematical development of the principles of quantum mechanics and their application to selected systems. Topics include Schrodinger's equation, operators, Heisenberg uncertainty principle, angular momentum, and applications, including the hydrogen atom. May be taught concurrently with PHY 575. Cannot receive credit for both PHY 575 and PHY 675.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Fall |

PHY 692 Computational Methods and Data Analysis in Physical Sciences

Prerequisite: PHY 291 or permission of instructor.

Computational techniques related to physical sciences including techniques used for data analysis. An exploration of scientific operating systems, programs used for analysis and simulations, and methods for

analyzing data and producing simulations. May be taught concurrently with PHY 591. Cannot receive credit for both PHY 591 and PHY 692.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|---------------------------|
| 3 | 3 | 0 | Fall (odd-numbered years) |

PHY 701 Workshop on Topical Issues in Science Education

Prerequisite: permission.

Workshop to upgrade understanding of selected topics in science, and improve elementary, middle school and/or secondary science teaching. Each workshop will include performance and analysis of appropriate investigations to enhance understanding of the selected topics. Number of class hours determined by semester hours of credit. Variable content course. May be repeated to a maximum of 6 hours provided the topics are different.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

PHY 785 Physics Laboratory for Teachers

Prerequisite: permission.

Performance and analysis of secondary laboratory experiments in physics.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 1 | 4 | Upon demand |

PHY 790 Seminar in Physics

Prerequisite: permission.

Extensive paper on agreed topic in physics or astronomy to be read before staff seminars. May be repeated to a total of 4 hours.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

PHY 796 Science Internship

Completion of an internship project (80 hours/credit hour) at a discipline-related business, nonprofit organization, or government agency, approved and supervised by both the departmental and internship advisors. Includes a formal report in the appropriate professional format, and an oral presentation at an approved venue. Graded Pass/Not Pass only. No more than 6 hours may count toward a masters degree.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|----------------------|
| 1-6 | | | Fall, Spring, Summer |

PHY 799 Research in Natural and Applied Sciences


Prerequisite: permission of department head.

Supervised research in the natural and applied sciences. May be repeated, but no more than 12 hours may be counted toward the masters degree. Cannot be applied toward the MS degree in Materials Science.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |




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Graduate Catalog

Materials Science



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Graduate programs

Master of Science, Materials Science

David Cornelison, Graduate Director

Kemper Hall; Phone 417-836-4467

DavidCornelison@MissouriState.edu (mailto:DavidCornelison@MissouriState.edu)

Program Description

The Materials Science degree is designed to provide the graduate with a suitable background for employment in the exciting fields of nano, bio, and energy technology. Specifically, students will receive experience in high-technology materials synthesis, characterization, and modelling. Graduates will be prepared for employment in areas of semiconductor manufacturing, materials synthesis and testing, and other industries where high technology processing and development are required.

The program requires 15 hours of required course work, 6-9 hours of electives, 6-9 hours of research and 1 hour of seminar, for a total of 31 hours. Interdisciplinary courses taught in other departments may be used for electives if approved by the department head in advance.

At the beginning of the first semester, students' background will be evaluated to determine the student's optimum path of study. Based on the results of the students' initial evaluation, poorly prepared students may be required to take some additional course work that will not apply to the degree. Later in the first semester, the student will interview with faculty members to choose an area of thesis research.

A comprehensive examination is required usually one semester prior to graduation. The comprehensive examination is used to monitor the progress of each student through the program. At the end of the thesis project, the student will present his or her results in the form of a public thesis presentation or defense.

Entrance requirements

Students admitted to the program in full standing must meet the following requirements.

1. A Bachelor of Science degree in any science or engineering discipline which includes:
 - a. a calculus sequence and differential equations;
 - b. a calculus-based physics sequence; and
 - c. two semesters of physical chemistry or thermodynamics and modern physics.

For example, the following would constitute adequate preparation:

[MTH 261](#) Analytical Geometry and Calculus I

[MTH 280](#) Analytical Geometry and Calculus II

[MTH 303](#) Differential Equations

[PHY 203](#) Foundations of Physics I

[PHY 204](#) Foundations of Physics II

[PHY 343](#) Thermodynamics **OR** [CHM 506](#) Physical Chemistry I

[PHY 375](#) Modern Physics **OR** [CHM 507](#) Physical Chemistry I

Applicants with some deficiency in the courses listed in (1) above, may be admitted, but may have additional course work added to their program. This additional course work may not count toward their graduate degree.

2. Candidates for admission to the program are required to have a GPA of at least 3.00 on a 4.00 scale on the last 60 hours of course work.
3. Submission of Graduate Record Examination (GRE) scores from the General Test is required.
4. Three letters of reference.

Students who do not meet the GPA or GRE standards described in (3) and (4) above may be granted conditional admission to the program. Conditionally admitted students will be required to complete a minimum of nine hours of specified course work with a GPA of at least 3.00 to be advanced to full standing in the program.

Retention requirements

The student is expected to demonstrate effective communication skills while enrolled in the program. Evaluation of communication skills will be done in accordance with the student's background. These abilities will be evaluated for graduate assistants based on their teaching performance and by the MAT 798 Seminar course.

For students who are not graduate assistants, evaluation will be done in the MAT 798 Seminar course. For the student who uses English as a second language, there may be additional requirements.

The student must also demonstrate progress toward graduation in the following ways:

1. satisfactory performance in the comprehensive exam, given approximately one semester before graduation;
2. maintenance of a 3.00 GPA in the core courses;
3. satisfactory progress in thesis research.

Degree requirements (minimum of 31 hours)

1. For the student who has not received a "C" or better in a quantum mechanics course or its equivalent prior to admission to the program, satisfactory completion of [PHY 675](#) Introduction to Quantum Mechanics is required. (This course does **not** count towards the 31 hour total.)
2. Required core - 15 hrs:
 - [MAT 640](#) Thermodynamics of Materials
 - [MAT 651](#) Introduction to Materials Science
 - [MAT 681](#) Structure of Solids
 - [MAT 770](#) Synthesis and Characterization of Advanced Materials
 - [MAT 792](#) Introduction to Computational Materials Science
3. 6-9 hours, with at least 6 hours at the 700 level or above, chosen from the following:
 - Any 600 or 700 level PHY or MAT course
 - Interdisciplinary Courses approved by the department head for elective credit. Examples: [CHM 770](#) Chemical Kinetics or [CHM 614](#) Polymer Chemistry
4. Seminar. 1 hour of seminar, [MAT 798](#).
5. Research. **6-9** hours of research, [MAT 799](#). For both options, the student is required to give an oral presentation of his/her work to the Department.
 - Thesis Option. Satisfactory completion of an approved thesis and an oral thesis defense to the student's faculty advisor and a committee of graduate faculty is also required. 6-9 hours of [MAT 799](#) may be counted toward this degree under this option.
 - Non-thesis Option. In extraordinary circumstances, a student may choose a non-thesis option with the permission of graduate committee and department head. This requires the completion of a minimum of 2 degree papers, each of which shall require an extensive paper or major creative work. 6 hours of [PHY 799](#) may be counted toward this degree under this option.
6. Comprehensive Examinations. A passing grade on the comprehensive examination, taken approximately one semester before graduation.

Accelerated Master's option

Undergraduate Physics majors may wish to enroll in the Accelerated Master of Science degree program in Materials Science. Students who successfully complete this program can obtain a Physics (with Materials Physics Option) Bachelor of Science degree and a Master of Science in Materials Science degree within five years.

This challenging option is for students who have a strong interest in becoming experts in electronic materials. This includes the fields of Solid State Physics, Photonics, Opto-electronics, Nanotechnologies, Electrical Engineering and computer Engineering.

While not essential for eventual admission to the program, it is strongly recommended that, as freshmen, students contact the department head for permission to become involved in the program. This will allow for appropriate advisement during the undergraduate years.

Students may be admitted to the program after completing 60 hours with a 3.00 cumulative GPA, including the physics core courses with a 3.50 cumulative GPA.

Students seeking this option must:

- Obtain admission to the Master of Science in Materials Science accelerated program by applying to the Graduate College prior to their senior year.
- Pass the Master of Science in Materials Science comprehensive examination in the first semester of their fifth year.

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count the courses towards the masters degree, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program advisor, department head of the undergraduate program, and the dean of the Graduate College. Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Nine hours of course work may be counted toward both the undergraduate and the masters degree. These courses are MAT 614, MAT 640, MAT 651, MAT 681 and PHY 692.


Students who successfully meet all the requirements would receive a Bachelor of Science degree in Physics at the end of their fourth year, and a Master of Science at the end of their fifth year.





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Natural and Applied Science (Interdisciplinary Program)



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Graduate programs

Natural and Applied Science

Director: **Kyoungtae Kim**

Temple Hall, room 223, Phone 417-836-5440

Email: KKim@MissouriState.edu (mailto:KKim@MissouriState.edu)

Website: <http://science.missouristate.edu/mnas/> (http://science.missouristate.edu/mnas/)

Departmental directors/advisors:

MNAS/Biology - Christopher Lupfer

MNAS/Chemistry - Erich Steinle

MNAS/Computer Science - Lloyd Smith

MNAS/Geography, Geology and Planning - Gary Michelfelder

MNAS/Mathematics - Xingping Sun

MNAS/Physics, Astronomy & Material Science - Tiglet Besara

Program description

The Master of Natural and Applied Science is designed to provide those working in an environment where scientific knowledge is a priority, such as science teaching and scientific applications, the opportunity to expand their knowledge and experiences consistent with their professional goals and objectives through an interdisciplinary program of study in the natural and applied sciences. The curriculum will consist of formal courses in one or more areas of concentration, professional advisement, graduate seminar or research options (e.g., master's thesis), as well as incorporating the candidate's background, goals, and objectives.

Program objectives

1. To increase both the depth and breadth of knowledge in one or more of the areas in natural sciences for understanding and appreciation of the interdisciplinary nature of science.
2. To provide advanced training and education for expanding current scientific knowledge and capabilities.
3. To provide a base of knowledge or enhancement in an area of natural science outside an original field of study.

Admission requirements

In order to be considered for admission, students must meet the following requirements. These are minimum requirements; acceptance into the program is on a competitive basis.

1. The student must have a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. The student must have a GPA of 3.00 or higher on a 4.00 scale for the last 60 hours of course work required for the undergraduate degree. They are not required to submit GRE scores. However, when students apply for a Graduate Assistantship, they must have a combined score of 290 on the verbal and quantitative sections of the GRE.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation.
4. International applicants are also required to submit a score of not less than 79 on iBT or a comparable score of 6.0 on IELTS TOEFL.
5. The student must have an undergraduate background of at least 20 semester hours in the natural and applied sciences. Students may be required to meet course prerequisites for their emphasis areas. Undergraduate courses will not be credited as course requirements for the master's degree.

Graduate Assistantships

A limited number of teaching assistantships (TA) may be available, awarded on a competitive basis. Applications (<http://graduate.missouristate.edu/assistantship.htm> (/CurrentStudents/Assisitships.htm)) are to be submitted in the GradCAS application portal. Applicants should have all application materials submitted by March 1 (fall assistantships) or October 1 (spring assistantships) to ensure being considered for a TA position. GRE General Test scores may be considered in awarding assistantships.

Degree requirements (minimum of 32 hours)

1. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies from the student's primary emphasis area. As soon as possible, the student will select a graduate faculty member from that department to chair a graduate advisory committee consisting of at least three faculty members that includes a faculty member from the student's second area of concentration. This committee will supervise the remainder of the student's program. Some departments may require that an advisory committee chair be identified prior to acceptance into the program; applicants should contact the department of the primary emphasis area.
2. **Program of Study.** This unique interdisciplinary masters program requires more than one area of concentration. Each individualized program will be structured by the advisory committee in consultation with the student. The academic background, professional experience, academic objectives and personal needs will be considered in establishing the individual's program.

Students may select areas of primary emphasis in the following departments in the College of Natural and Applied Sciences: Biology; Chemistry; Computer Science; Geography, Geology and Planning; Mathematics; and Physics, Astronomy and Materials Science; and in the Darr College of Agriculture. In special cases, a "primary emphasis" may be a science topic that is interdisciplinary in itself (for example, Environmental Science), and the relevant course work include more than one department; such a program of study must be approved by the student's Advisory Committee and program director. Students will select a second area of concentration from the above listed academic units or from the College of Business (COB). With approval of the Advisory Committee and program director, other possible outside areas may be pursued, such as education. This second area of concentration may also be inherently interdisciplinary as long as it is distinct from the primary area.

3. **Course Requirements.** The student must select a primary emphasis area consisting of at least 16 hours of courses selected from one department in the College of Natural and Applied Sciences listed above. The student must also select 9-16 hours of graduate courses outside the primary area approved by the student's advisory committee. In total, the student must complete at least 32 hours of course work, of which at least 16 must be in courses open only to graduate students (numbered 700 or above).
4. **Grade Point Average.** A GPA of at least 3.00 on a 4.00 scale for all graduate work at Missouri State and course work transferred from other institutions is required.
5. **Research Requirements.** A student will be required to complete one of the following research requirements.

Thesis Option: The Thesis option requires the completion of a research thesis supervised by the student's advisory committee. The thesis shall be approved by the advisory committee and by the Dean of the Graduate College before the degree is granted. A maximum of six hours of thesis credit can be applied toward the minimum hours required for the master's degree.

Non-Thesis Option: The Non-Thesis option requires the completion of a minimum of one semester course which shall require an extensive research paper or creative work. The student's advisory committee must approve the final research paper and complete a Seminar Report form that is submitted to the academic department chosen as the major area of concentration and subsequently to the Graduate College for the approval of the Dean.

Internship Option: The Internship option requires the completion of internship with a discipline-related business, non-profit organization, or government agency (480 hours). This must include an extensive project that is approved and supervised by the student's on-site mentor and the departmental advisory committee. A maximum of six hours of Internship credit can be applied toward the 32 hours required for this degree.

6. **Comprehensive Examination.** After most of the course work has been completed, and upon approval of the advisory committee, a written comprehensive examination will be administered and evaluated by the

advisory committee. This examination must be passed by the candidate before a degree will be given.

7. **Time Limit.** The student must complete all requirements within an eight-year period (exclusive of the time spent in the United States Armed Forces).

The Professional Science Master Designation

A student is eligible to receive the Professional Science Master (PSM) designation if he/she completes the internship option of the research requirements and three courses from the following seven offered through the College of Business: ACC 600, FIN 600, ITC 600, LAW 600, MGT 600, MKT 600, QBA 600. The PSM designation is approved and recognized under the MNAS degree program by the Council of Graduate Schools.

Accelerated Master's Degree option

Eligible Missouri State University students in a major in the College of Natural and Applied Sciences may apply for preliminary acceptance into the Master of Natural and Applied Science program after admission requirements for the accelerated master's option have been satisfied. If accepted, graduate courses chosen from approved 600-level courses or higher may be counted toward both the graduate and undergraduate degrees, with a maximum of 12 credit hours. This option offers an opportunity for CNAS majors whose goals, academic capabilities, and career planning include graduate work, to complete the requirements for the master's degree in less time than would otherwise be possible. Contact the MNAS Program Director for further information and guidelines.

All requirements for the implemented undergraduate program should be met for graduation from the undergraduate degree program. A student may fully be admitted to the Graduate College upon completion of the requirements for the baccalaureate degree. All requirements for the implemented master's program should be met for graduation from the master's degree program.

A student must be admitted into the Accelerated Master's Degree Program at Missouri State University in order to begin taking graduate course work for dual credit. Admission requires approval from the Graduate Program Advisor, Department Head of the undergraduate program, and the Dean of the Graduate College. Students admitted into the Accelerated Master's Degree program will not be fully admitted into the Graduate College until completion of their undergraduate degree and fulfillment of all other requirements for admission to the Graduate College (such as the Graduate Record Examination). Student should be awarded the bachelor's degree upon completion of the minimum of 125 hours of combined graduate and undergraduate course work and degree specific requirements.




Admission Requirements for the Accelerated Master's option

1. Junior standing and a GPA 3.25 or better.
2. A supportive recommendation from the student's undergraduate advisor.
3. Acceptance of applicant by a graduate faculty member who agrees to serve as the student's graduate mentor.



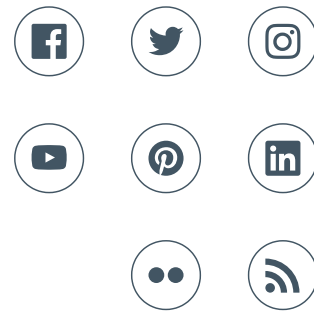


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Secondary Education: Natural Science Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Natural Science Area of Emphasis

Contact area of emphasis advisor Dr. Tamera Jahnke.

See program requirements for the [MSEd, Secondary Education](#) ([/Catalog/prog-secondary-education.htm](#)).

Natural Science prerequisite and requirements

In this option, students complete a minimum of 15 hours with course work selected from two of the following disciplines: Biology, Chemistry, Geography and/or Geology, Mathematics, and Physics.

A minimum of 3 hours of course work numbered 700 or above must be included.

The prerequisite requirements are those listed in the departmental statements of both selected academic areas of emphasis.

1. Courses from one of the above disciplines - 9 hrs
2. Courses from a second of the above disciplines - 6 hrs





Total - 15 hrs



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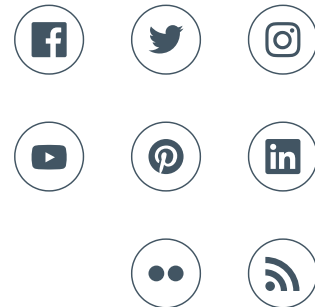
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Secondary Education: Physics Area of Emphasis



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Graduate programs

Master of Science in Education, Secondary Education: Physics Area of Emphasis

Contact Dr. Dave Cornelison for more information.

See program requirements for the [MSEd, Secondary Education \(/Catalog/prog-secondary-education.htm\)](/Catalog/prog-secondary-education.htm).

Physics requirements


Physics course work with a minimum of 3 hours in courses numbered 700 or above to **total 15 hours**.




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Interdisciplinary Graduate Programs

Programs

 Includes accelerated master's option

 Program can be completed online

Master's programs

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[Public Health](#) (MPH) 

[Professional Studies](#) (MPS)  

[Secondary Education](#) (MSEd)

Certificates

[Individualized Studies](#) (Certificate)

[Professional Studies](#) (Certificate) 

General Information

Missouri State University encourages interdisciplinary research and recognizes that the careers of many students will be enhanced through graduate programs that connect knowledge and perspectives from

Contact

Julie Masterson, Associate
Provost and Dean of the
Graduate College

different disciplines. Interdisciplinary programs fulfill a special niche for students that recognize they may have multiple career needs that draw upon various knowledge bases.

The Master of Business Administration and the Master of Natural and Applied Science are interdisciplinary programs within their respective colleges. Program descriptions can be found under the College of Business and College of Natural and Applied Science sections.

Three graduate programs, the Master of Professional Studies, the Master of Science in Interdisciplinary Studies, and the Master of Science in Education, Secondary Education, cut across a number of colleges and programs.

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
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Gerald Masterson, Program Director

JDMorris Center, Room 413

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infomsas@missouristate.edu

<http://msis.missouristate.edu/>

Program description

Missouri State University offers an innovative interdisciplinary program at the Masters level for students who find that traditional master's degrees or formally-designed options do not meet their unique, creative, and professional needs or for those seeking growth and advancement within their vocations. The MSIS program allows students, in consultation with graduate faculty in the selected areas, to combine the curricula of at least two programs, to produce a well-designed and intensive program of study. MSIS students are expected to demonstrate research and writing proficiency appropriate to their career path and program emphasis.

Admission requirements

Admission to the program is based on the following:

1. Bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university;
2. An overall GPA of 3.00 on a 4.00 scale, or 3.00 on a 4.00 scale for the last 60 hours of course work, or 3.00 on a graduate transcript with at least 9 hours;
3. Two letters of recommendation submitted from individuals able to speak to the applicant's academic and professional abilities and potential to succeed in the program;

Accelerated Master's Option Admission requirements

Exceptional Missouri State University undergraduate students may apply for preliminary acceptance into the Master of Science in Interdisciplinary Studies program in their junior year after admission requirements for the accelerated program have been satisfied. Candidates for this option must have junior standing and an overall GPA of 3.20 or higher. If admitted, up to 12 hours of 600-level or 700-level courses may be designated as "mixed credit" and count toward both the undergraduate and graduate degree programs. This option gives these undergraduate students the opportunity to complete their bachelor's and master's degrees in 10 semesters and a summer.

Before enrolling in a course that will apply to both the undergraduate program and the master's program an undergraduate student must:

1. Be admitted into the accelerated program;
2. Receive prior approval from the MSIS advisor, department head of the undergraduate program, and the Dean of the Graduate College. This is done by using a mixed credit form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Requirement for the Accelerated Option:

1. Junior standing and an overall GPA of 3.20 or better;
2. A supportive recommendation letter from the applicant's undergraduate advisor, program director, or department head;
3. Submit a written statement of purpose explaining why the student wants to pursue the accelerated Master's program along with the prospective plans following graduation.

Degree requirements (Minimum of 33 hours) – No more than 9 credit hours from the College of Business can count toward the degree.

Core courses

| Course type | Description | Credit hours |
|---------------------|---|--------------|
| Research methods | Variety of courses available | 3 hrs |
| Research experience | Thesis, Non-Thesis Project, or Internship | 3-6 hrs |

| Course type | Description | Credit hours |
|--------------------------|------------------------------------|--------------|
| Primary area course work | Selected courses | 12-15 hrs |
| Secondary area | Courses taken outside primary area | 12-15 hrs |

Additional degree requirements

1. Successful completion of the research or capstone experience will serve as the student's comprehensive examination.
2. All other university and Graduate College requirements must be met for completion of a degree program.

Establishing a program committee

The MSIS committee will consist of program directors or other graduate faculty from each of the emphasis areas combined in the interdisciplinary degree along with the MSIS Program Director. This committee plans and approves individual student programs.


Additional information

1. This program recognizes the versatile, interactive and ever-evolving world in which we live. All forms of intellectual inquiry, whether based in literature, science, education, business or the arts both influence and are influenced by each other.
2. Students have opportunities to engage in critical thinking in and between each area.
3. If the student elects to complete a thesis, the thesis advisor must come from the department in which the primary area coursework is completed. The thesis must follow the university thesis guide, using a secondary style guide dictated by the program of primary focus.





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Phone: 417-836-5005

infomsas@missouristate.edu (<mailto:infomsas@missouristate.edu>)

<https://gip.missouristate.edu/mps/> (gip.missouristate.edu/mps/)

Program description

The Master of Professional Studies (MPS) is a cross-disciplinary program which promotes the enhancement of practical skills in one of the following options:

1. [Applied Communication](#)
2. [Criminal Justice](#)
3. [Environmental Management](#)
4. [Homeland Security](#)

5. [Hospitality Administration](#)
6. [Producing and Screenwriting](#)
7. [Project Management](#)
8. [Sports Management](#)
9. or an Individualized Option

The program is designed to meet the needs of individuals who are seeking professional growth and advancement within their vocations. The 33-hour program allows participants to expand their knowledge base and refine skills necessary to keep up with the ever-changing marketplace.

A MPS may be taken online. All of the core and option area courses in Applied Communication, Criminal Justice, Homeland Security, Hospitality Administration, Project Management and Sports Management are available online. Currently, the Environmental Management option is only available on campus. Online access for the Individualized option depends on the selection of courses chosen.

Admission requirements

The Master of Professional Studies (MPS) is designed for individuals who are highly motivated to pursue an advanced degree. Admission is competitive and meeting the minimum standards for admission will not guarantee acceptance into the program.

Admission to the program requires all of the following:

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. A GPA of 3.00 on a 4.00 scale for the last 60 hours of undergraduate course work OR a GPA of 2.75 to 2.99 on a 4.00 scale for the last 60 hours of undergraduate course work and a minimum score of 290 on the GRE or 450 on the GMAT OR completion of 9 credit hours of graduate course work with a minimum GPA of 3.00. These courses may be taken as a postbaccalaureate or nondegree-seeking graduate student and must be approved by the MPS Program Director.
3. A Resume
4. A written statement of goals and interest in the MPS degree. This written statement will be reviewed to assess the applicant's motivation and commitment to complete the graduate degree and as evidence of the writing skills necessary to succeed in the program.
5. Two letters of recommendation from individuals able to speak to the applicants academic and/or professional abilities and potential to succeed in the program.

All additional University and Graduate College requirements for admission to a degree program.

Accelerated Master's Option Admission requirements

Exceptional Missouri State University undergraduate students may apply for preliminary acceptance into the Master of Professional Studies program in their junior year after admission requirements for the accelerated program have been satisfied. Candidates for this option must have junior standing and an overall GPA of 3.20 or higher. If admitted, up to 12 hours of 600-level or 700-level courses may be designated as "mixed credit" and count toward both the undergraduate and graduate degree programs. This option gives these undergraduate students the opportunity to complete their bachelor's and master's degrees in 10 semesters and a summer.

Before enrolling in a course that will apply to both the undergraduate program and the master's program an undergraduate student must:

1. Be admitted into the accelerated program;
2. Receive prior approval from the MSIS advisor, department head of the undergraduate program, and the Dean of the Graduate College. This is done by using a mixed credit form.

Acceptance into the program and all approvals must be completed prior to the end of the Change of Schedule Period for the course(s). See the Graduate College for further information.

Admission Requirement for the Accelerated Option:

1. Junior standing and an overall GPA of 3.20 or better;
2. A supportive recommendation letter from the applicant's undergraduate advisor, program director, or department head;
3. Submit a written statement of purpose explaining why the student wants to pursue the accelerated Master's program along with the prospective plans following graduation.

Degree requirements (minimum of 33 credit hours)

For core courses, select 7 of the courses listed below. Note that some courses may have prerequisites and/or require "permission" from the instructor; not all courses are accessible in both online and seated formats and, thus not every class is available to all MPS students. Your advisor will help you navigate the available options to generate a program of study. When a program of study is generated, including core and option courses, students need to be aware that the following two limitations for the degree must be observed:

- No more than 9 credit hours (generally 3 courses) from the College of Business can be counted toward the degree.
- Eighteen (18) credits (generally 6 classes) must be taken at the 700-level

1. Core requirements (21 credit hours) - Select 7 of the following 8 areas of study.

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|---------------------------------------|---|
| <p>Finance/Budgeting/Economics.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Budgeting and accounting. 2. Financial statements, economic statements, and investments. 3. Economic development for domestic and international organizations. | <p><u>ACC 600</u></p> | <p><u>PLS 756</u> <u>PLS 721</u> <u>ECO 600</u> <u>MED 762</u></p> |

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|---------------------------------------|---|
| <p>Law/Ethics/Regulatory Functions.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding legal and/or regulatory issues in the workplace. 2. Understanding ethical issues encountered by business managers in the work environment. 3. Gaining knowledge of the court system and legal dispute resolution mechanisms. | <p><u>PLS 651</u></p> | <p><u>LAW 600</u> <u>PLS 778</u> <u>COM 619</u> <u>HSP 710</u> <u>MED 681</u></p> |
| <p>Personnel Selection/Leadership/Management.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Developing the techniques in matching of individual needs, preferences, and skills with the needs of organizations. 2. Understanding the role of a leaders in the creation of corporate climates and building a workforce through selection, supervising and evaluating employees. 3. Reviewing ethical issues in regards to leadership roles in either public or private organizations. | <p><u>PSY 776</u></p> | <p><u>PSY 718</u> <u>PLS 752</u></p> |
| <p>Research Design/Project Development/Data Analysis.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the nature of research/project development, design, evaluation, and analysis of data. 2. Exploring appropriate literature appropriate to the field. 3. Gaining practical experience in design, evaluation, and analysis. | <p><u>COM 718</u></p> | <p><u>SFR 780</u> <u>HSP 730</u></p> |

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|---|---------------------------------------|---|
| <p>Communication/Relations/Environment.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Learning methods of identifying and employing effective communication appropriate to the work environment. 2. Learning techniques of negotiation and mediation in the workplace. 3. Learning techniques of arbitration as an alternative to litigation. | <p><u>COM 736</u></p> | <p><u>COM 621</u> <u>PLS 732</u> <u>PLS 715</u></p> |
| <p>Technology/Networking/Security.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the basics of software and hardware used in the workplace. 2. Understanding concepts, design, and implementation of management information systems for the workplace. 3. Learning principles and techniques of web-based security. | <p><u>EDT 770</u></p> | <p><u>ITC 681</u> <u>EDT 765</u></p> |
| <p>Structure/Diversity/Development.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the organizational structure and policy in order to identify and resolve issues within the work place. 2. Understanding the cultural, behavioral, and diverse needs within organizations. 3. Developing managerial skills by way of strategic planning, implementation, and evaluation. | <p><u>PLS 759</u></p> | <p><u>PLS 753</u> <u>COM 617</u> <u>HSP 720</u></p> |

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|--------------------------------|---|
| <p>Professional/Grant/Technical Writing.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Writing persuasive proposals that can impact existing organizations in their decision-making process. 2. Writing for the purpose of conveying information in the individuals selected option area. Can be a mixture of the following: to instruct, to persuade, to share goals, to encourage action. 3. Writing in a broad range of genres including producing informational materials for the web. | <p>ENG 771</p> | <p>ENG 678 ENG 679 ENG 684 ENG 672</p> |

2. Research or Capstone Experience (3 credit hours)

MPS students are expected to demonstrate competency in methods of inquiry, problem solving, and writing for their career path and program emphasis. Students will complete a research project, an internship, or a capstone experience representative of their option area. Successful completion of research or capstone experience will serve as the student's comprehensive examination.

Students in the Individualized option area will work with the Graduate Interdisciplinary Programs (GIP) program director to decide their capstone course and submit a 3-minute video presentation describing their capstone experience.

3. Comprehensive examination

Successful completion of research or capstone experience will serve as the student's comprehensive examinations.

4. Option areas (12 credit hours)

Eight formal options exist for the Master of Professional Studies. Students must complete a minimum of 12 credit hours in an option area. Option areas include Applied Communication, Criminal Justice, Environmental Management, Homeland Security, Hospitality Administration, Producing and Screenwriting, Project Management and Sports Management. Under close supervision of the Program Director, students may be allowed to develop an individualized course of study as an option area.

Applied Communication option

Choose any four of the following courses:

| Course Code | Course Title | Credit Hours |
|-------------------------|----------------------------|--------------|
| COM 611 | Conflict and Communication | 3 hrs |

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>COM 617</u> | Communication and Diversity in the Workplace | 3 hrs |
| <u>COM 619</u> | Ethical Issues in Communication | 3 hrs |
| <u>COM 732</u> | Theories and Concepts of Small Group Communication | 3 hrs |
| <u>COM 713</u> | Public Relations Campaigns | 3 hrs |

Criminal Justice option

Complete the following four courses:

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>CRM 701</u> | Criminal Justice Policy | 3 hrs |
| <u>CRM 740</u> | Foundations of Homeland Defense and Security | 3 hrs |
| <u>CRM 750</u> | Contemporary Issues in Policing | 3 hrs |
| <u>CRM 770</u> | Correctional Theory and Practice | 3 hrs |

Environmental Management option

Required two courses:

| Course Code | Course Title | Credit Hours |
|--------------------------------|------------------------------|---------------------|
| <u>GRY 731</u> | Environmental Assessment | 3 hrs |
| <u>ECO 640</u> | Economics of the Environment | 3 hrs |

Elective 2 courses (chosen in consultation with advisor):

| Course Code | Course Title | Credit Hours |
|--------------------------------|--|---------------------|
| <u>BIO 632</u> | Principles of Fisheries Management | 3 hrs |
| <u>BIO 662</u> | Limnology | 3 hrs |
| <u>BIO 689</u> | Game Management | 3 hrs |
| <u>BIO 726</u> | Advanced Limnology Methods | 3 hrs |
| <u>CHM 660</u> | Chemistry of Environmental Systems: Water & Land | 3 hrs |

| Course Code | Course Title | Credit Hours |
|-------------------------|------------------------------------|--------------|
| PLN 671 | Land Use Planning | 3 hrs |
| PLN 674 | Open Space Planning | 3 hrs |
| GRY 748 | Physiography and Resource Planning | 3 hrs |
| PLN 670 | Planning Law | 3 hrs |

Homeland Security option

Complete the following four courses:

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| CRM 740 | Foundations of Homeland Defense and Security | 3 hrs |
| CRM 745 | Topics in Homeland Defense and Security | 3 hrs |
| PLS 717 | Multidisciplinary Approaches to Homeland Security | 3 hrs |
| PLS 719 | Strategic Planning and Organizational Imperatives in Homeland Security | 3 hrs |

Hospitality Administration option

Complete the following four courses:

| Course Code | Course Title | Credit Hours |
|-------------|--|--------------|
| HSP 710 | Risk Management & Legal Compliance in the Hospitality Industry | 3 hrs |
| HSP 720 | Hospitality Change Management and Leadership | 3 hrs |
| HSP 730 | Seminar in Hospitality and Tourism | 3 hrs |
| HSP 798 | Field Experience in Hospitality Administration | 3 hrs |

Producing and Screenwriting option

With the help of the advisor, select four (4) of the following courses (12 hours):

| Course Code | Course Title | Credit Hours |
|-------------|--------------|--------------|
|-------------|--------------|--------------|

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>MED 660</u> | Beginning Screenwriting | 3 hrs |
| <u>MED 667</u> | Intermediate Screenwriting | 3 hrs |
| <u>MED 668</u> | Writing for Television | 3 hrs |
| <u>MED 669</u> | Rewriting Film and Television Scripts | 3 hrs |
| <u>MED 671</u> | Writing the Web Series | 3 hrs |
| <u>MED 672</u> | Advanced Screenwriting | 3 hrs |
| <u>MED 762</u> | TV/Film Producing and Marketing | 3 hrs |
| <u>MED 792</u> | Independent Study (with permission of Director & Coordinator) | 3 hrs |

Project Management option

Required two courses:

| Course Code | Course Title | Credit Hours |
|--------------------------------|-------------------------|---------------------|
| <u>TCM 701</u> | Project Management | 3 hrs |
| <u>TCM 645</u> | Project Control Systems | 3 hrs |

Electives: Choose 2 courses:

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>TCM 611</u> | Project Design and Development | 3 hrs |
| <u>TCM 651</u> | Cost Analysis for Project Management | 3 hrs |
| <u>TCM 710</u> | Project Leadership | 3 hrs |
| <u>TCM 740</u> | Management of Innovation and Technology Seminar | 3 hrs |

Sports Management option

The Sports Management Option is a 15 hour option that includes three 3 credit hour courses and one 6 hour field experience course. KIN 733 covers the research requirement for the MPS program.

Required Courses (15 hours):

| Course Code | Course Title | Credit Hours |
|-------------------------|--|--------------|
| KIN 739 | Principles of Sports Management | 3 hrs |
| KIN 780 | Legal Aspects in Sports, Physical Education, Recreation, and Wellness Programs | 3 hrs |
| KIN 733 | Current Problems in Sports Administration | 3 hrs |
| KIN 798 | Field Experience in Sports Management | 6 hrs |





Individualized option

Developed under the close supervision of the Program Director.



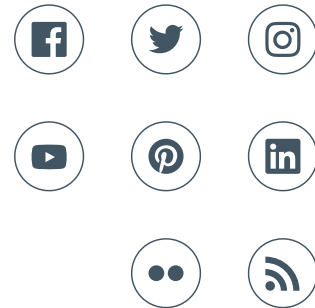
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Program description

The Master of Public Health (MPH) program offers a generalist MPH degree consisting of 42 credit hours. The program's mission is to prevent disease, promote health, and protect the well-being of the public through education, research and service.

Students gain knowledge in each of the five core disciplines of public health: biostatistics, epidemiology, environmental health sciences, public health administration, and the social behavioral sciences. The program

prepares students to assess community health needs, plan effective health education and health intervention programs, implement and evaluate educational experiences, and conduct public health research.

Graduates of this program will enter public health service as practitioners, administrators, researchers, educators, and consultants in a wide variety of public health settings. Most will be employed in local, state, and national public health agencies, while others will work for non-profit organizations, private agencies, medical facilities, governmental agencies, and educational institutions.

The program offers an accelerated master's option for Missouri State University undergraduate majors as well as a dual degree program with the Master of Health Administration Program. See descriptions below.

Entrance requirements

The Master of Public Health (MPH) program seeks to admit students who:

- Demonstrate the potential to be successful in graduate school
- Are committed to the public health profession
- Show evidence of their commitments through their interest, backgrounds, and experiences

Consideration for admission to the Master of Public Health Program requires the following:

1. Completion of a baccalaureate degree from a regionally accredited college or university with a minimum GPA of 3.00*;
2. Submission of Graduate Record Exam (GRE) test scores. No minimum scores are required; however, students who are successful in the program generally have scores in the 40th percentile or higher. The following exemptions may be made for GRE scores:
 - a. Students who have earned a graduate degree from an accredited U.S. Institution and students currently enrolled in a Missouri State University graduate degree program are not required to submit GRE scores.
 - b. Official scores from the GMAT, MCAT or LSAT from within the last 5 years may be submitted in lieu of the GRE.
3. Submission of the Graduate Application and related fee;
4. A 300-400 word personal statement of professional goals;
5. Three letters of recommendation from employers or professors (current or recent) who can speak to the abilities of the student to succeed in graduate education;
6. Voluntary or salaried work experience in one or more health or social service settings is highly desirable but not required; and
7. International applicants for whom English is not the native language are required to submit official scores from the Test of English as a Foreign Language (TOEFL). See the required scores as noted on the Graduate College webpage. The IELTS will also be accepted.

Application Deadlines

All application materials must be received by the following deadlines:

- **Fall admission - April 1**
- **Spring admission - October 1**

Applicants are encouraged to begin the process at least 4 weeks (6 weeks for international applicants) prior to the deadline to ensure all supporting materials are received on time.

Degree requirements

The MPH program requires completion of 42 credit hours and includes the following:

PBH core courses (15 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PBH 720</u> | Epidemiology | 3 hrs |
| <u>PBH 730</u> | Biostatistics for Health Sciences | 3 hrs |
| <u>PBH 740</u> | Health Behavior | 3 hrs |
| <u>PBH 745</u> | Environmental Health | 3 hrs |
| <u>PBH 775</u> | Principles and Skills of Public Health Administration | 3 hrs |

Other required courses (15 hrs)

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>PBH 735</u> | Software Applications and Data Sources in Public Health | 3 hrs |
| <u>PBH 756</u> | Introduction to Public Health | 3 hrs |
| <u>PBH 760</u> | Research Methods in Public Health | 3 hrs |
| <u>PBH 783</u> | International Health and Infectious Disease | 3 hrs |
| <u>MGT 701</u> | Health Services Organization | 3 hrs |

Elective courses (6 hrs)*

| Course Code | Course Title | Credit Hours |
|--------------------------------|---|---------------------|
| <u>HLH 750</u> | Programming Approaches in Wellness/Health Promotion | 3 hrs |
| <u>HLH 752</u> | Health Risk Identification and Management | 3 hrs |
| <u>MTH 647</u> | Applied Regression Analysis | 3 hrs |
| <u>PBH 781</u> | Public Health Preparedness | 3 hrs |
| <u>PBH 778</u> | Chronic Disease Epidemiology | 3 hrs |
| <u>PBH 785</u> | Seminar in Public Health (may be repeated for credit) | 3 hrs |
| <u>PBH 790</u> | Independent Study in Public Health | 3 hrs |
| <u>PLS 754</u> | Seminar in Health Policy | 3 hrs |

*Select two courses with consent of program advisor.

Field and capstone experience (6 hrs)

| Course Code | Course Title | Credit Hours |
|---|--|-----------------------|
| PBH 798 | Public Health Field Experience | 6 hrs |
| PBH 799 and PBH 798 | Capstone Project in Public Health and Public Health Field Experience | 3 hrs and 3 hrs |

Core course examination

After satisfactory completion of all required core courses, and not later than the second to last semester, all students are required to pass a written examination that assesses knowledge and skills in the program core competencies. The items on this exam will cover content from the core areas of study in biostatistics, epidemiology, health behavior, environmental health, and health services administration. Student who fail are limited to one additional attempt to take the exam.

Field Experience

All students are required to complete a practical experience in an approved public health setting under the mentorship of a faculty member and the supervision of an on-site public health professional. A minimum of 200 contact hours per three (3) credit hours must be completed, and a written portfolio must be submitted in the required format at the completion of the field experience.

In order to qualify for the Public Health Field Experience, students must have successfully completed 33 credit hours, including all public health core and other required courses and passed the core course examination. The Field Experience must be approved by the field experience faculty supervisor and the Program Director to ensure site acceptability. The only curricular practical training that will be approved is the [PBH 798](#) (https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH798) course. No external research at other institutions will be approved for curricular practical training during the completion of the MPH program.

Culminating Experience

As the culminating experience, students in the MPH program are required to complete a capstone project via:

1. [PBH 799](#) (https://graduate.missouristate.edu/catalog/PublicHealth_courses.htm#PBH799)- Capstone Project in Public Health - for students who opt for the 3-credit hour field experience;

or

2. A field experience project for students who opt for the 6-credit hour field experience.

The capstone project requires students to synthesize and integrate advanced knowledge and skills acquired in the program and to apply those to some aspect of public health.

Some aspect of the culminating experience must be original, whether it is the topic itself, an analysis of newly collected or extant data, the reinterpretation of others' findings, or the design and completion of a community

project. At its completion, students submit a written report and make a formal presentation to an audience of faculty, students, and practitioners.

Accelerated MPH Option

An accelerated option is available for eligible Missouri State University undergraduate students. Students may apply for preliminary acceptance into the Master of Public Health (MPH) program after admission requirements for the accelerated master's option have been satisfied. If accepted, a maximum of 12 credit hours chosen from approved 600- or 700-level courses may be counted toward both the undergraduate and graduate degrees. This option gives exceptional undergraduate students from a variety of majors the opportunity to complete the course requirements for the MPH degree in as little as three semesters and a summer after attaining the Bachelor's degree rather than the typical four to five semesters and a summer.

Contact the Director of the MPH program for further information and guidelines. Before enrolling in a course to be counted as both undergraduate and graduate credit, an undergraduate student must be accepted into the accelerated program and receive prior approval from the graduate program director, department head of the undergraduate program and the Dean of the Graduate College.

MPH-MHA Dual Degree

Students can obtain dual degrees in health administration and public health at Missouri State University. Students who successfully complete the program will receive both a Master of Health Administration (MHA) degree and a Master of Public Health (MPH) degree. A total of 12 hours of coursework can be applied to both programs, reducing the time required to obtain both degrees separately.

Public health and health administration are increasingly important areas in health care and medicine. Information, resources, technology, research and new challenges are expanding tremendously in the fields of public health and health administration and it is important to have a trained workforce that can bridge these two areas of health care and medicine. The successful completion of dual degrees in public health and health care administration provide students with a unique set of knowledge, skills and abilities that enable graduates to communicate relevant health information; account for health care priorities, policy and delivery; manage crises; and address major health concerns at the level of a population. All these activities are information intensive to support professional decision-making, practice and action.

The dual MHA/MPH degree program provides graduates with interdisciplinary knowledge, skills, and abilities to address challenges on a local and global scale. This dual degree program offers a course of study that emphasizes effective management and responsible oversight within the health care delivery system and focus on identifying, resolving, and preventing health problems that affect communities and populations. Beyond these foundations, both programs challenge students to lead their organizations toward satisfying the future demands and needs of their communities.

There is overlap between the MHA and MPH programs, which enables students to complete both degrees in a streamlined process. The MHA has a core requirement of 35 credit hours while the MPH has a 42 hour requirements. Currently there are three courses (9 credit hours) jointly shared by the two programs.

- [PBH 720](#), Epidemiology
- [MGT 701](#), Health Services Organization
- [PLS 754](#), Seminar in Health Policy

In addition, there is a joint collaborative relationship between the two programs in terms of the Capstone Project in Public Health (PBH 799 - 3 credit hours) with the Program Director for the MHA program serving on the student's Capstone Committee. In keeping with the traditional approach to dual degrees, there is a reduction in overall hour requirements for both degrees. While separately the two degrees require a total of 78 credit hours, under the joint degree program students could earn the two degrees in 66 credit hours.

Applicants to the joint MHA/MPA must be admitted into each program separately and must adhere to the admission requirements and prerequisite courses stipulated by each program. The student's decision to complete the joint MHA/MPH degree must be declared to the MHA and MPH Program Directors before the end of the second semester of the first year in either program.

Retention and Readmission to the Program


Admission to the MPH program is through a competitive admissions process with only a limited number of students admitted each year. Students who leave the program will be required to apply for readmission. Applications for readmission will be reviewed by the MPH admission, progression and graduate (APG) committee. Previous enrollment does not guarantee readmission. The student's readmission will depend on where the student places in the competitive enrollment process.

All students must enroll in at least one credit hour each fall and spring semesters until graduation to remain in the MPH program. International students must comply with program and International Services policies. Students who do not meet minimum requirements will be dropped from the program and will have to reapply to the MPH APG committee for permission to return to the program. Students have a maximum of five years to complete the program. Students who exceed this time period must seek an extension through the APG. All other retention policies are defined by the Graduate College.





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Graduate Catalog

Secondary Education



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Graduate programs

Master of Science in Education, Secondary Education

Entrance requirements

A student must hold certification to teach secondary education and meet all graduate school requirements. Students in education-related occupations or professions other than secondary school teaching which require licensing or certification by state or national boards may be recommended for admission. The student must have earned a 2.75 GPA or higher on the last 60 hour of undergraduate credit or transferred graduate credit. The student must complete any required prerequisite courses. Such courses do not count toward completion of the degree requirements. Specific programs, both initial and advanced, will be required to purchase a subscription to Taskstream.

Degree requirements (33 hours total) - at least half of the coursework must be 700-level or above

1. Required Core Courses (6 hours)

- a. [SFR 750](#) Philosophies of Education (typically offered fall only)
- b. [SFR 780](#) Educational Research Methodology

2. Professional Core Courses (6 hours)

Course work designed for improvement of classroom instruction. Courses should be selected from two of the six areas below*:

- a. [EDT 665](#) Selection and Utilization of Educational Technology
- b. [MID 725](#) Advanced Theory and Practice in the Teaching of Early Adolescents
- c. [PSY 705](#) Psychology of Adolescence **OR** [PSY 710](#) Psychology of Education
- d. [RDG 710](#) Content Area Literacy
- e. [SEC 701](#) Secondary School Curriculum
- f. [SPE 613](#) Physical and Health Needs of Students with Disabilities

* Other electives specifically related to classroom teaching may be identified and substituted for letters a through f above with program advisor approval.

3. Required Unit Assessment

- a. **Research Assessment.** The student must release Research Assessment Rubric in Taskstream to designated program coordinator or faculty who will complete the evaluation.
- b. **Comprehensive Examination Assessment.** The student must release Comprehensive Exam Assessment in Taskstream to designated program coordinator or faculty who will complete the evaluation.
- c. **Professional Development Experiential Log Assessments.** The student must complete two (2) assessments in Taskstream and submit to designated program coordinator or faculty who will complete the evaluation.

4. Research and Specialized Core Experience (6 hours)

Includes research (see below) and other course work to total 6 hours. Of these 6 hours, a minimum of 2 hours must be in one of the following two research options. Additional course work is needed if less than 6 hours of research is chosen.

- a. **Option I:** Completion of a thesis. Thesis credit may not exceed 6 hours of the total program. Students writing a thesis may enroll in the appropriate course for their emphasis area. (Refer to Emphasis Area for thesis course). Students must obtain their program director and/or advisor approval for their thesis course(s). Students must complete the online Graduate College thesis format training.
- b. **Option II:** Completion of an extensive research project or major creative work. Students must obtain their program director and/or advisor approval for their research course(s) component.

5. Emphasis Area (15 hours)

This emphasis must be an area in which the State of Missouri currently offers a certificate for grades K-12 or 9-12. At least 3 hours of 700-level credit must be earned from Missouri State University in the emphasis area. Refer to your emphasis area departmental section of this catalog for specific information.

Course work in some emphasis areas is limited and may not be offered every semester. Students should check with the advisor as to availability of specific course offerings.

6. Comprehensive Examination.

A comprehensive examination must be passed by the candidate before a degree will be granted. Check with advisor for specific requirements.

Graduation requirements

In addition to requirements established by the Graduate College, students must have both a cumulative GPA of 3.00 on all work attempted in education and in all work attempted in the emphasis area.

Advisement

The advisor works with the student to determine:

- The program of study which will be developed according to the needs and interest expressed by the advisee.
- The advisee's formal training at the undergraduate level; the teaching assignment of the advisee.
- Professional assignments in which the advisee hopes to be involved in the future.

Emphasis areas

Students may earn degrees in the following emphasis areas:


| Emphasis area | Advisor |
|---|-----------------------|
| <u>Agriculture</u> | James Hutter |
| <u>Art</u> Admission currently suspended | Fatih Benzer |
| <u>Biology</u> | Georgiana Saunders |
| <u>Chemistry</u> | Gautam Bhattacharyya |
| <u>Earth Science</u> | Melanie Carden-Jessen |
| <u>English</u> Accelerated master's option included | Heidi Hadley |
| <u>Family and Consumer Sciences</u> Accelerated master's option included | Debra Price |
| <u>Geography</u> | Melanie Carden-Jessen |
| <u>History</u> Accelerated master's option included | Michelle Morgan |
| <u>Mathematics</u> Accelerated master's option included | Gay Ragan |
| <u>Natural Science</u> | Tamera Jahnke |
| <u>Physical Education</u> Admission currently suspended | Sarah McCallister |
| <u>Physics</u> | Dave Cornelison |
| <u>Social Science</u> | Michelle Morgan |




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Individualized Studies



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Graduate programs

Certificate in Individualized Studies

Gerald Masterson, Program Director

JDMorris Center, Room 413

Phone: 417-836-5005

infomsas@missouristate.edu

<http://msis.missouristate.edu/>

Program description

The individualized graduate certificate, offered by the Graduate College at Missouri State University, is a 12 credit hour program and provides a graduate-level experience for those who find that formally designed options from existing programs do not meet their unique, creative and professional needs, or those seeking growth and advancement within their vocations. The certificate program allows students to expand their knowledge and experiences consistent with their professional goals and objectives in one or more areas.

This graduate certificate will benefit anyone who needs to acquire focused skills, launch a new career unrelated to his/her undergraduate degree and/or retool and update knowledge. The certificate offers a short, focused

program of study giving students advanced skills in a particular subject not formally offered and provides continuing education credit opportunities in many careers. In addition, the credit hours earned may apply toward an advanced degree.

NOTE: This certificate program is not eligible for federal financial aid.

Admission requirements

1. The student must hold a bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university.
2. Recommendation by the Director of the Graduate Interdisciplinary Programs.


Certificate requirements

1. Once admitted, the student and Program Director will work together to generate a program of study before the student will be released to take courses.
2. The student must complete 12 credit hours of graduate course work with a 3.00 GPA.
3. All other University and Graduate College requirements must be met for completion of a certificate program.





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Certificate in Professional Studies

Gerald Masterson, Program Director

Jim D. Morris Center, Room 413; Phone: 417-836-6194

mps@missouristate.edu (<mailto:mps@missouristate.edu>)

[mps.missouristate.edu](https://gjp.missouristate.edu/MPS/default.htm) (<https://gjp.missouristate.edu/MPS/default.htm>)

Program description

The Graduate Certificate in Professional Studies is a cross-disciplinary certificate program which provides enhancement of administrative abilities. This certificate program is designed to meet the needs of individuals who have started their careers and are seeking professional growth and advancement within their vocations, but do not have formal training in business skills necessary to assume an administrative role. The certificate offers a short, focused program of study giving students more opportunities for administrative roles within organizations (team leaders, department heads, etc.). The 12 hour certificate program builds upon past work experience, and allows participants to expand their knowledge base, abilities, and skills which can lead to new or enhanced administrative roles within organizations.

The Graduate Certificate in Professional Studies may be taken via the Internet.

Admission requirements

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University or equivalent education from a foreign university;
2. A GPA of 3.00 on a 4.00 scale for the last 60 hours of undergraduate course work;
3. Submission of a written statement of goals and interest in the Professional Studies certificate. This written statement will be reviewed to assess the applicant's motivation and commitment to complete the certificate and as evidence of the writing skills necessary to succeed in the program;
4. Submission of two letters of recommendation from individuals able to speak to the applicant's academic and/or professional abilities and potential to succeed in the program;
5. All additional University and Graduate College requirements for admission to a certificate program.

Certificate Requirements - 12 credit hours

Select one class from four of the rows in the table below. Note that some classes may have prerequisites and/or require "permission" from the instructor, and not all are accessible in both online and seated formats and thus not every class in the table is available to all students. The advisor will help navigate the available options to generate a program of study.

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|---------------------------------------|---|
| <p>Finance/Budgeting/Economics.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Budgeting and accounting. 2. Financial statements, economic statements, and investments. 3. Economic development for domestic and international organizations. | <p><u>ACC 600</u></p> | <p><u>PLS 756</u> <u>PLS 721</u> <u>ECO 600</u> <u>MED 762</u></p> |
| <p>Law/Ethics/Regulatory Functions.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding legal and/or regulatory issues in the workplace. 2. Understanding ethical issues encountered by business managers in the work environment. 3. Gaining knowledge of the court system and legal dispute resolution mechanisms. | <p><u>PLS 651</u></p> | <p><u>LAW 600</u> <u>PLS 778</u> <u>COM 619</u> <u>HSP 710</u> <u>MED 681</u></p> |

| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|---------------------------------------|---|
| <p>Personnel Selection/Leadership/Management.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Developing the techniques in matching of individual needs, preferences, and skills with the needs of organizations. 2. Understanding the role of a leaders in the creation of corporate climates and building a workforce through selection, supervising and evaluating employees. 3. Reviewing ethical issues in regards to leadership roles in either public or private organizations. | <p><u>PSY 776</u></p> | <p><u>PSY 718</u> <u>PLS 752</u></p> |
| <p>Research Design/Project Development/Data Analysis.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the nature of research/project development, design, evaluation, and analysis of data. 2. Exploring appropriate literature appropriate to the field. 3. Gaining practical experience in design, evaluation, and analysis. | <p><u>COM 718</u></p> | <p><u>SFR 780</u> <u>HSP 730</u></p> |
| <p>Communication/Relations/Environment.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Learning methods of identifying and employing effective communication appropriate to the work environment. 2. Learning techniques of negotiation and mediation in the workplace. 3. Learning techniques of arbitration as an alternative to litigation. | <p><u>COM 736</u></p> | <p><u>COM 621</u> <u>PLS 732</u> <u>PLS 715</u></p> |
| <p>Technology/Networking/Security.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the basics of software and hardware used in the workplace. 2. Understanding concepts, design, and implementation of management information systems for the workplace. 3. Learning principles and techniques of web-based security. | <p><u>EDT 770</u></p> | <p><u>ITC 681</u> <u>EDT 765</u></p> |





| Program Objectives | Suggested Courses | Approved Alternative Courses |
|--|--------------------------------|---|
| <p>Structure/Diversity/Development.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Understanding the organizational structure and policy in order to identify and resolve issues within the work place. 2. Understanding the cultural, behavioral, and diverse needs within organizations. 3. Developing managerial skills by way of strategic planning, implementation, and evaluation. | <p>PLS 759</p> | <p>PLS 753 COM 617 HSP 720</p> |
| <p>Professional/Grant/Technical Writing.</p> <p>Students will be introduced to one or more of the following skills and concepts:</p> <ol style="list-style-type: none"> 1. Writing persuasive proposals that can impact existing organizations in their decision-making process. 2. Writing for the purpose of conveying information in the individuals selected option area. Can be a mixture of the following: to instruct, to persuade, to share goals, to encourage action. 3. Writing in a broad range of genres including producing informational materials for the web. | <p>ENG 771</p> | <p>ENG 678 ENG 679 ENG 684 ENG 672</p> |



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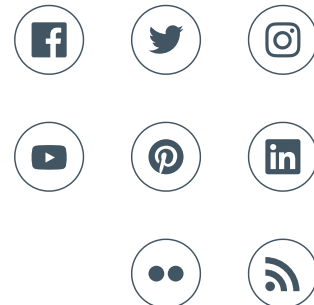
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Department of Library Science

Programs

No Graduate programs in Library Science are offered at this time.

Contact

Dean

Thomas A. Peters

Associate Dean

Rachel Besara

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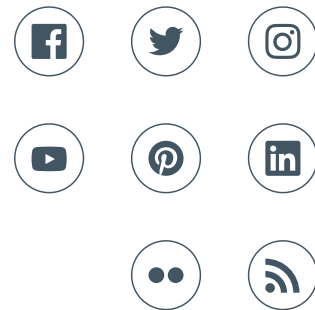
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Graduate College

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Library Science Graduate Faculty

Emeritus professor


Jenny B (J.B.) Petty




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Missouri State

Graduate College

Graduate Catalog

Library Science Courses

Library Science (LIS) courses

LIS 602 History of Books and Libraries

History of books and libraries from the earliest times to the present; influence and importance of the book and the library in society throughout history. May be taught concurrently with LIS 502. Cannot receive credit for both LIS 502 and LIS 602.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 610 Curriculum and the School Library

Focuses on integrating the school library program and collections with curriculum; emphasizes diverse student learning styles; role of the school librarian as a teacher; use of electronic resources for research, teaching, and learning. May be taught concurrently with LIS 510. Cannot receive credit for both LIS 510 and LIS 610.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 612 Reading Guidance for Young Adults

The study of reading interests and habits of high school age young adults. Methods of meeting the needs of different types of readers and stimulating reading interest through library collections and services. May be taught concurrently with LIS 512. Cannot receive credit for both LIS 512 and LIS 612.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 618 Service Learning in Library Science

Prerequisite: concurrent registration in an LIS course designated as a service learning offering.

This one-hour service component for an existing course incorporates community service with classroom instruction in library science education. It provides an integrated learning experience, addressing the practice of citizenship and promoting an awareness of and participation in public affairs. It includes 40 hours of service benefiting an external community organization, agency or public service provider. Approved service placements and assignments will vary depending on the course topic and learning objectives; a list of approved placements and assignments is available from the instructor and the Citizenship and Service Learning Office. May be repeated. May be taught concurrently with LIS 305. Cannot receive credit for both LIS 618 and LIS 305.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Upon demand |

LIS 620 Production and Application of Multimedia Materials in Library Media Centers

Recommended Prerequisite: LIS 610. Builds on concepts introduced in LIS 610. Builds on concepts introduced in LIS 510. Emphasis will be placed on multimedia project planning, instructional design, production techniques and processes as they relate specifically to the library media center program and its integration into the whole school curriculum to support teaching and learning activities. Includes web design, video editing, evaluation and application of electronic resource for school libraries.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 628 School Library Administration

Administration of K-12 libraries within school communities. Emphasizes program development, evaluation, planning cycle; budget process; services for diverse school constituencies. Examines effects of national, state and district guidelines, standards and policies on school library programs.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 630 Children's Librarianship: Birth thru Age 9

Fundamentals of children's librarianship for both public librarians and school library media specialists, including collection development, programming, and current issues. May be taught concurrently with LIS 530. Cannot receive credit for both LIS 530 and LIS 630.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 632 Library Resources and Services for Grades 4-8

An introduction to a broad selection of books, audiovisuals, and electronic resources for grades 4-8 and how these can be used to enrich the curriculum. Emphasis will be placed on integration of a variety of resources in both content area studies and "stand alone" information literacy instruction. May be taught concurrently with LIS 532. Cannot receive credit for both LIS 632 and LIS 632.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 3 | 3 | 0 | Upon demand |

LIS 634 Introduction to Storytelling

Introduction to the art of storytelling and development of skills in finding, preparing, and delivering stories to grades K-12; analysis and review of storytellers' resources; exploration of a wide variety of styles and methods of telling to facilitate the planning and presentation of storytelling programs in the school media center or classroom and include traditional storytelling across the curriculum.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1 | 1 | 0 | Summer |

LIS 696 Independent Study

Individual projects under the supervision of members of the library faculty. May be repeated to a total of 6 hours. May be taught concurrently with LIS 596. Cannot receive credit for both LIS 596 and LIS 696.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-6 | | | Upon demand |

LIS 697 Special Topics

Selected topics in substantive areas of librarianship such as automation, collection development and resource sharing, and the politics of librarianship. Offered when resources and demand allows. May be repeated to a total of 6 hours when topic changes. Variable content course.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 1-3 | | | Upon demand |

LIS 698 Action Research in the School Library

Prerequisite: concurrent enrollment in LIS 699.

Survey of action research techniques designed to assess the integration of the school library into building/level curricula and its impact on student achievement. Students will design, conduct, and evaluate an action research project in a school library. May be taught concurrently with LIS 598. Cannot receive credit for both LIS 698 and LIS 598.

| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2 | 2 | 0 | Upon demand |

LIS 699 Library Practicum

Prerequisite: permission of department head.

Supervised practical work experience in an appropriate library designed to cover all aspects of librarianship. Portfolio checkpoint number 3. May be taught concurrently with LIS 599. Cannot receive credit for both LIS 599 and LIS 699.


| Credit hours | Lecture contact hours | Lab contact hours | Typically offered |
|--------------|-----------------------|-------------------|-------------------|
| 2-3 | | | Upon demand |




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