

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](#) 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 College Policies](#)

[Academic Policies](#)

[University Policies](#)

[Colleges and Academic Units](#)

## Publishing schedule

### First edition

**2016-17 Graduate Catalog**

**July 2016 (effective fall 2016)**

### First edition

**July**

*(effective fall through summer)*

Online, PDF

### Second edition

**Late October/early November**

Online

### New in this edition

- **Master of Science, Child life Studies**
- **Special Education Director**
-

**Fees/Cost and Registration**

**Financial Assistance**

# General Information

- [2016-2017 Graduate Calendar](#)
- [University Information and Accreditation](#)
- [University Policies](#)
- [Graduate College](#)
- [Costs/Fees and Registration](#)
- [Financial Assistance](#)

# Graduate Calendar

## Fall 2016

Date	Activity or Event
July 20	Priority deadline for Admission Application. (Some programs may have an earlier submission deadline.)
August 1-19	Fall Intersession (Considered part of the fall semester for admission, registration, grading, and graduation purposes.)
August 15	Graduate Student Orientation
August 22	Classes Begin
August 26	Deadline to Apply for Graduation (Students planning to complete their degree in December 2016) - apply online at My Missouri State, Academics Tab
September 5	Labor Day Holiday (no classes)
November 21 - 25	Thanksgiving Holiday (no classes) - offices closed November 23-25
November 28	Thesis deadline: Last day to submit approved thesis to the Graduate College
November 28	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.)
December 8	Last day of classes
December 8	Deadline for submission of Comprehensive Examination results to the Graduate College
December 9	Study Day (no classes)
December 10-15	Final exams
December 16	Commencement

## Spring 2017

Date	Activity or Event
December 20	Priority deadline for Admission Application. (Some programs may have an earlier submission deadline.)
January 9-13	Winter Intersession (Considered part of the spring semester for admission, registration, grading, and graduation purposes.)
January 14	Graduate Student Orientation
January 16	Martin Luther King, Jr. Holiday (no classes)
January 17	Classes Begin
January 20	Deadline to Apply for Graduation (Students planning to complete their degree in May 2017) - apply online at My Missouri State, Academics Tab
February 20	President's Day (no classes)
March 13-17	Spring Break (no classes)
April 13-14	Spring Holiday (no classes) - offices closed April 14
April 24	Thesis deadline: Last day to submit approved thesis to the Graduate College
April 24	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.)
April 29	Interdisciplinary Forum
May 11	Last day of classes
May 11	Deadline for submission of Comprehensive Examination results to the Graduate College
May 12	Study Day (no classes)
May 13-18	Final exams
May 19	Commencement

## Summer 2017

Date	Activity or Event
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May 20	Priority deadline for Admission Application. (Some programs may have an earlier submission deadline.)
May 22 - June 9	Summer Intersession (Considered part of the summer session for admission, registration, grading, and graduation purposes.)
May 29	Memorial Day Holiday (no intersession classes)
June 12	Classes Begin
June 16	Deadline to Apply for Graduation (Students planning to complete their degree in August 2017) - apply online at My Missouri State, Academics Tab
July 4	Independence Day Holiday (no classes)
July 21	Thesis deadline: Last day to submit approved thesis to the Graduate College
July 21	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.)
Aug 1	Deadline for submission of Comprehensive Examination results to the Graduate College
Aug 2	Last day of classes
Aug 3-4	Final exams
Aug 4	Commencement

# 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 their Teaching Credentials as of July 23, 2013
  - [Faculty and Administrative Staff](#) (PDF)
  - [Emeritus Faculty](#) (PDF)

## 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:

- Bull Shoals Field Station
- Center for Archaeological Research
- Center for Business and Economic Development
  - Management Development Institute
  - Small Business Development Center
- Center for Continuing and Professional Education
- Center for Dispute Resolution



- Center for Economic Research
- Center for Grapevine Biotechnology
- Center for Homeland Security
- Center for Project Innovation and Management Education
- Center for Multidisciplinary Health Education, Research and Services
- Center for Research and Service
- 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
- Institute for School Improvement
- 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
- Small Business and Technology Development Center
- Southwest Missouri Area Health Education Center
- Southwest Regional Professional Development 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 2005-2006 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).

## Contact information

The Higher Learning Commission

230 South LaSalle Street, Suite 7-500

Chicago, Illinois 60604-1413

Phone: 800-621-7400 or (312) 263-0456. Fax: 312-263-7462. Email: [info@hlcommission.org](mailto:info@hlcommission.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 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 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 Accreditation of Nurse Anesthesia Educational Programs: Doctorate of Nurse Anesthesia Practice; Master of Science, Nurse Anesthesia

- 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 Education of the Deaf: Master of Science, Communication Sciences and Disorders, Education of the Deaf and Hard of Hearing
- Council on Education for Public Health (CEPH): Master of Public Health
- Council on Social Work Education - Commission on Accreditation: Master of Social Work
- Missouri Department of Elementary and Secondary Education (DESE); Missouri State Board of Education: Educational Administration, Elementary Education, Literacy, Secondary Education, Special Education; Master of Arts in Teaching, Communication Sciences and Disorders, Counseling; Specialist in Education
- National Association of Schools of Music (NASM): Master of Music
- Network of Schools of Public Policy, Affairs, and Administration - 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 American Association of State Colleges and Universities, the Council of Graduate Schools in the United States, the Midwestern Association of Graduate Schools, and the American Association of Colleges for Teacher Education.

# 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

### Navigation

[Code of Student Rights, Responsibilities, and Conduct](#)

[Email Communication Policy](#)

[Equal Opportunity and Affirmative Action Policy](#)

[Expressive Activity Policy](#)

[Non-Discrimination Policy](#)

[Residency Status \(for Tuition Purposes\)](#)

[Student Disability Accommodation Policy](#)

[Student Rights \(FERPA\)](#)

# Graduate College

## Graduate College

Carrington Hall, Room 306

901 S National

Springfield MO 65897

**Phone:** 417-836-5335

**Toll-free:** 1-866-767-4723

**Fax:** 417-836-6888

**Website:** <http://graduate.missouristate.edu/>

**Email:** [GraduateCollege@missouristate.edu](mailto:GraduateCollege@missouristate.edu)

### **Julie Masterson**

#### **Associate Provost and Dean of the Graduate College**

Carrington Hall, Room 306

[JulieMasterson@missouristate.edu](mailto:JulieMasterson@missouristate.edu)

### **Thomas E. Tomasi**

#### **Associate Dean**

Carrington Hall, Room 306

[TomTomasi@missouristate.edu](mailto:TomTomasi@missouristate.edu)

## **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 six 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 degree 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](#) 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.

**Graduate Interdisciplinary Forum.** Annually, in the spring semester, the Graduate Student Council, in conjunction with the Graduate College, co-hosts the 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 100-140 students present each year. For complete information on the IDF, see [graduate.missouristate.edu](http://graduate.missouristate.edu) (under Interdisciplinary Forum).

Additional information about the Graduate Student Council and the IDF may be obtained online at [graduate.missouristate.edu](http://graduate.missouristate.edu) (under Current Student Resources).

## Graduate Procedures and Policy

### Admission to Graduate Study

Contact for graduate admission information:

Graduate Admissions  
Missouri State University  
Carrington Hall, Room 308  
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 for the foregoing reasons is a matter left solely 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.**

## **Masters and Specialist Admission Requirements**

The minimum standards for admission to graduate study are documented in this section. 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. Meeting the minimum admission criteria does not guarantee admission.

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* an overall grade point average of at least 2.75 on a 4.00 scale overall; *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 verbal and quantitative score of 875 or higher on either the Graduate Record Examination (GRE) General Test\* or 290 or higher on the GRE Revised General test; *OR*
2. a bachelor's degree from a college or university not accredited by an agency recognized by Missouri State University, a grade point average of at least 2.75 on a 4.00 scale overall, *OR* at least a 2.75 GPA on a 4.00 scale for the last 60 hours of academic course work; *AND* a combined verbal and quantitative score of 875 or higher on either the Graduate Record Examination (GRE) General Test\* or 290 or higher on the GRE Revised General test\*; *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.

\*Percentile rank scores on the GMAT, MAT, LSAT, or MCAT that are comparable to the stated GRE level will satisfy the minimum criterion.

## **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. Submission of scores from the GRE or comparable standardized exam for their discipline.
2. A minimum GPA of 3.00 in their most recent degree, either cumulative or for the last 60 credits of that degree, or have demonstrated success in previous graduate work.
3. Strong writing skills to ensure success in the program, as evidenced by submission of a "Statement of Interest/Goals", a prior research/term paper, or other writing example specified by the department.
4. Three (3) letters of recommendation (at least two from academic/professional references).

## **Test Requirements**

The Graduate Record Examination (GRE), Graduate Management Admissions Test (GMAT), and Test of English as a Foreign Language (TOEFL) are primarily administered as computer-based tests. GRE and GMAT scores are acceptable for 5 years. Scores more than 5 years old are accepted only with the recommendation of the program director. The Educational Testing Service (ETS) will not send out TOEFL scores older than 24 months. MSU Graduate College will not accept unofficial scores.

Arrangements for taking the GRE test in Springfield can be made by contacting Sylvan Learning Center at 417-882-0740 or 800-300-0740. In addition, arrangements may be made to take the GMAT by contacting Pearson Professional Centers at 417-881-3069.

Other information can be obtained in the following ways:

**GRE**

**Website:** <http://www.gre.org/>

**Telephone:** 609-771-7670 or 1-866-473-4373

**Mailing Address:**

Educational Testing Service

PO Box 6000

Princeton, NJ 08541-6000

**GMAT**

**Website:** <http://www.gmac.com/gmat.aspx>

**Telephone:** 703-668-9600 or 1-866-505-6559

**Mailing Address:**

Graduate Management Admission Council

11921 Freedom Drive, Suite 300

Reston, VA 20190

**TOEFL**

**Website:** <http://www.toefl.org/>

**Telephone:** 609-771-7100 or 1-877-863-3546

**Mailing Address:**

Educational Testing Service

PO Box 6000

Princeton, NJ 08541-6000

**IELTS**

**Website:** <http://www.ielts.org/>

**Telephone:** 323-255-2771

**Mailing Address:**

IELTS USA

825 Colorado Blvd. Suite 221

Los Angeles, CA 90041

**The Miller Analogy Test (MAT)** is offered on a monthly basis by the MSU Testing Center 417-836-6417. Arrangements for taking the MAT can also be made by contacting:

Pearson

MAT Customer Relations

19500 Bulverde Road

San Antonio, TX 78259

**Telephone:** 210-339-8710 or 1-800-622-3231

**Website:** <http://www.milleranalogies.com/>

## Application Deadlines and Fees

Some graduate programs have specific deadlines that must be met in order to be considered for admission; applications received after those deadlines might not be considered. Check program listings in the Graduate Catalog and with your program to see if your program of interest has a specific deadline.

Missouri State does adhere to semester deadlines to avoid late fees. It is important to note that, in most cases, you should submit your application well before these deadlines, especially if you are considering a graduate assistantship. The "priority" deadlines are as follows:

Semester	Deadline Date
Fall Semester	July 20
Spring Semester	December 20
Summer Semester	May 20

A \$35 non-refundable application fee is required of all first-time applicants applying for admission to the Graduate College. Students applying for readmission (who have completed classes at Missouri State University as a graduate student) are not required to submit a fee.

## Admission Procedures

Graduate students are highly encouraged to apply at least 6 to 8 weeks before the start of the semester.

The application materials required by the Graduate College include (but is not limited to) the Application for Graduate Admission, the application fee, and official transcripts showing course work for the bachelor's degree and any graduate-level work. Academic programs may require additional materials be submitted by the student directly to the program. Please see the Graduate College and program admission requirements in the Graduate Catalog for further information.

## Admissions Checklist

Students desiring admission into a graduate degree program must take the following steps:

### 1. Access the Missouri State University Graduate Catalog

- Review the admission requirements for the Graduate College and the program to which you are applying to in the Graduate Catalog.
- If the program you are applying to requires standardized test scores (e.g. GRE\*, GMAT, or MAT), register to take the standardized test required by the program through the appropriate testing agency. More information on standardized test scores can be found in the Graduate Catalog section Test Requirements.
- After you have taken the standardized test, have an official copy of your test scores sent directly to the Graduate College by the appropriate testing agency.

### 2. Standardized Test Scores

\*School Code for GRE is **6665**.

### 3. Complete the Application for Graduate Admission

- Online at <http://graduate.missouristate.edu/> We highly encourage you to apply for admission online. By applying online, you will help speed up the processing of your application.
- Paper application available on the Graduate College website.
- In person in the Graduate Admissions office located in Carrington Hall, Room 308.

**NOTE:** Some programs require applicants to go through another application process first before completing the Application for Graduate Admission with the Graduate College. Please review the Graduate Catalog to find out if the program you are applying to does this before completing the Application for Graduate Admission. Programs include Audiology, Nurse Anesthesia, Physical Therapy, Physician Assistant Studies and Speech Pathology.

### 4. Application Fee

- If you are a first-time degree-seeking graduate student, pay the \$35 non-refundable graduate application fee. If submitting an application after the priority deadline, the graduate college cannot guarantee the processing of the application before the start of classes.
- Students applying online will be prompted to pay the fee by credit card or electronic check.

- Students applying by paper application must send a check or money order made out to Missouri State University along with their paper application. Students must write their full name and birthdate on the check or money order.
- You are not required to pay the application fee if you have completed classes at Missouri State University as a graduate student.

**NOTE:** Your application will not be processed if the graduate application fee has not been paid.

### *5. Transcripts*

- Submit to the Graduate College one (1) official transcript showing course work for the bachelor's degree and any graduate-level work. At minimum, the bachelor's transcript must show the last 60 hours of course work or the necessary additional undergraduate transcripts are required. Missouri State University transcripts do not need to be requested.

**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 a 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. Additional Materials*

- Check with the program to which you are applying to see if you must submit additional materials such as letters of recommendation, resume, or departmental/program application are required for admission to the program. These materials should be sent directly to the program.

**NOTE:** The Graduate Catalog lists the contact information for each program and what additional application materials the program needs from you.

### *7. Send Graduate Application Materials*

- Please have Graduate College application materials (e.g. application fee, official transcripts, and official standardized test scores) sent to:

Missouri State University  
Graduate College  
901 S. National Ave.  
Springfield, MO 65897

**Phone:** [417-836-5331](tel:417-836-5331)

**Toll-free:** 868-797-4723

**Fax:** 417-836-6200

**Email:** [GraduateAdmissions@MissouriState.edu](mailto:GraduateAdmissions@MissouriState.edu)

Remember to send additional application materials required by the program directly to the program you are applying to.

#### 8. Graduate Application Complete

- As soon as all your graduate application materials have been received, the Graduate Admissions office will evaluate your application materials to determine if you meet the Graduate College's admission requirements as outlined in the Graduate Catalog.

#### 9. Graduate Application Sent to Program/Department

- If you meet the Graduate College's admission requirements, your graduate application materials (Application for Graduate Admission, official transcripts, and standardized test scores if required) will be sent to the program/department you applied to for an admission decision.
- If you **do not** meet the Graduate College's admission requirements, you will be notified by mail and/or email by the Graduate College.
- Once your graduate application materials have been sent to the program/department, contact the program/department to find out where they are at on making an admission decision on your application.

#### 10. Admission Decision

- The program/department will submit an admission decision on your graduate admission application to the Graduate Admissions office after reviewing your graduate application materials and any additional materials required by the program/department.
- The Graduate Admissions office will process the admission decision on your application and you will be notified by mail and/or email of the admission decision.

## 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 2017	Summer 2017 or Fall 2017
Summer 2017	Fall 2017
Fall 2017	Spring 2018
Spring 2018	Summer 2018 or Fall 2018

For example, a student who is scheduled to graduate with his/her bachelor's degree in Fall 2018 should list Spring 2019 on his/her accelerated master's degree application. He/she will be able to receive mixed credit (credit that counts toward a bachelor's degree and a master's degree) during his/her undergraduate semesters by completing a Mixed Credit form, but will not be considered a full-time graduate student until the Spring 2019 semester.

If admitted to an accelerated master's degree program and your bachelor's degree graduation semester should change, please notify the Graduate College 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](mailto: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 the readmit graduate application. No additional application fee will be required.

## 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 non-degree seeking, post-master's student classification. Contact Missouri State Outreach at 417-836-4126 or by email at [Outreach@MissouriState.edu](mailto:Outreach@MissouriState.edu) for information regarding this process.
- Students who wish to pursue an additional graduate degree will need to complete the readmit graduate application and provide any additional materials which are needed by the department/program. No additional application fee will be required.

**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

International students should apply online at: <http://international.missouristate.edu/services/>

For more information, please contact:

International Services

Missouri State University

301 S. Jefferson , Suite 101

Morris Center

Springfield, MO 65806 U.S.A.

**Telephone:** 417-836-6618

**Fax:** 417-836-7656

**Email:** [internationalservices@missouristate.edu](mailto:internationalservices@missouristate.edu)

**Website:** <http://international.missouristate.edu/services/>

Deadlines for applications and all required materials are June 1 for the fall semester courses (beginning in August), October 1 for the spring semester courses (beginning in January), and March 15 for summer semester courses (beginning in June). Also, please check specific program deadlines as programs may have earlier deadlines for application materials.

Missouri State University is authorized under Federal law to enroll non-immigrant alien students. United States Citizenship and Immigration Service *Certificate of Eligibility* (Form I-20 for non-Immigrant Student Status) will be provided upon completion of all admission requirements and receipt of required financial statements.

International students making application to graduate study at Missouri State University are required to submit the following:

1. International Student Application: available online.
2. International Student Application Fee
3. All Graduate College and degree-program admission requirements including grade point average and appropriate test scores.
4. Verification of financial support in an amount determined by the University as stated in the application materials.
5. Complete official academic records including proof of degree attained. The applicant must have completed all requirements that are equivalent to a U.S. baccalaureate degree in an accredited, licensed, or recognized college or university and have appropriate undergraduate training to pursue the graduate degree of the applicant's choice. If your transcripts have previously been evaluated by World Education System (WES), Educational Credential Evaluators, Inc. (ECE), or the American Association of Collegiate Registrars and Admissions Officers (AACRAO), you may choose to include that credential evaluation in your application for consideration and in order to expedite processing of your application.
6. Standardized examination scores. Applicants to certain programs must submit GRE or GMAT scores. Please check the specific program admission requirements.
7. Applicants whose primary language is other than English are required to submit appropriate proof of English proficiency (see table below). Students may be exempt at the discretion of the International Services Offices if they have successfully completed one or more years of university level study in the United States.

Proficiency Method	Minimum Score
iBT TOEFL	79
IELTS	6.0
Missouri State ELI	Level 502

For applicants who do not meet the TOEFL or IELTS requirement, Missouri State University offers a full-time intensive **English Language Institute** on campus. An online application is at

<http://international.missouristate.edu/eli/academic/Apply.htm>. For more information contact:

English Language Institute  
Missouri State University  
Morris Center, Suite 201  
301 South Jefferson Avenue  
Springfield, MO 65806 U.S.A.  
**Telephone:** 417-836-6540  
**Fax:** 417-836-4784  
**Email:** [eli@missouristate.edu](mailto:eli@missouristate.edu)

**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.

## 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](#).

### Non-Degree 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 non-degree 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 non-degree seeking student or a post-baccalaureate student will be counted in the student's graduate GPA. Graduate courses taken as a non-degree 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](#).

**NOTE:** A student may request a change from non-degree 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](#).

## **Postbaccalaureate**

Students admitted into the post-baccalaureate 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 post-baccalaureate student is not required to furnish the application fee or transcripts and there is no minimum grade point average for admission. Enrollment as a post-baccalaureate student does not guarantee future admission into a specific degree program.

Post-baccalaureate students may take either undergraduate or graduate courses. Graduate courses taken as a nondegree-seeking graduate student (post-baccalaureate 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 post-baccalaureate 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 post-baccalaureate classification are not eligible for financial aid. Students who first register in the post-baccalaureate 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 post-baccalaureate student should contact [Missouri State Outreach: Continuing and Distance Education](#) at 417-836-4126 or toll free (877) 678-2005.

## **Post Masters**

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 Academics Tab, Commencement Channel, in [My Missouri State](#).

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

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

1. Complete the minimum number of credit hours required for the graduate program (minimum hours for different programs range from 30 to 83). Keep in mind that courses taken for undergraduate credit may not be used on the Program of Study 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 (applies to all programs except the MBA, MAcc, MHA; Master of Fine Arts in Visual Studies; MS in Applied Behavior Analysis; MS in CIS, MS in Criminology and Criminal Justice; MS in Cybersecurity; MS in PAS and MS in Project Management);
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*

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 on the Program of Study 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, to be directed by a faculty member from their discipline with Graduate Faculty in Research status.
6. In addition, each project will be supervised by a Doctoral Research Committee. Each will consist of at least two (2) additional faculty members with Graduate Faculty status (research, clinical/practitioner, or performance). For doctoral students who are completing a doctoral thesis, their committee will also have a fourth member from outside the department who has Graduate Faculty status in Research.
7. Presentation of the research results (thesis or project) at a forum approved by the department (except in Doctor of Nursing Practice).
8. A minimum cumulative GPA of 3.00 in all course work associated with the degree.
9. Satisfactory completion of a comprehensive exam, as specified by the department (except in Doctor of Nursing Practice).
10. Students must complete all degree requirements within an eight-year period (excluding time spent in the United States Armed Forces).
11. Students must meet all program-specific degree requirements (including research, practicum, comprehensive examination, etc).

### *Op3.19-3 Advisement*

Graduate students are assigned an advisor at the time of admission. The advisor's name and phone number are listed on the Admission Recommendation which notifies a student of acceptance into a program. 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*

The student's degree audit is used to show requirements necessary to complete for a degree. A student can view the audit the first day of classes for 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. 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, or doctoral degree.

#### *Op3.19-5 Research Requirement*

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](http://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](#). 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*

Program requirements that represent the comprehensive examination must be completed no later than two weeks before commencement.

1. Comprehensive Examination Application/Result forms are available at <http://graduate.missouristate.edu/> (under Forms) and should be returned to the student's department upon completion of student information in the top section.
2. The department will forward results of the comprehensive examination to the Graduate College. These results will be entered into the University system (Banner) and will be reflected in the student's degree audit.

A student not passing the comprehensive examination may repeat the exam upon the recommendation of the advisor and the department head and with the approval of the Graduate College. Except for students in the MBA, MAcc, MHA, Master of Fine Arts in Visual Studies, MS in Applied Behavior Analysis, MS in CIS, MS in Criminology and Criminal Justice, MS in Cybersecurity, MS in PAS and MS in Project Management, Doctor in Nursing Practice, a comprehensive examination must be passed by the candidate before a degree will be granted.

### *Op3.19-7 Graduate Transfer Credit*

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*

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](#)).

### *Op3.19-9 Grade Requirements for Degree*

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, or if the student does not meet any additional specific degree retention requirements imposed by a department or program.

### *Op3.19-10 Graduation*

**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 under the Academics Tab, Commencement Channel, in [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). A special permission form is required which includes approval by the student's advisor, department head, and the Graduate College.

## 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](#) 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)
- Applied Anthropology (MS)
- Biology (MS)
- Business Administration (MBA)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Communication (MA)
- Criminology and Criminal Justice (MS)
- Early Childhood and Family Development (MS)
- Educational Technology (MSEd)
- Elementary Education (MSEd)
- Geospatial Sciences in Geography and Geology (MS)
- Global Studies (MGS)
- Health Administration (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Literacy (MSEd)
- Material Science (MS)
- Mathematics (MS)
- Natural and Applied Science (MNAS)
- Nursing, MSN)

## Plant Science (MS)

- Project Management (MS)
- Public Administration (MPA)
- Public Health (MPH)
- Religious Studies (MA)
- Secondary Education - English, 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 at <http://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, Drury University and Southwest Baptist University (SBU) have entered into agreements that provide for undergraduate students at Evangel, Drury or 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 at <http://www.missouristate.edu/registrar/seniorperm.htm> and must be completed and submitted in person to a registration center at the time a student registers.

### **Teacher Certification**

Students in any graduate classification who wish to seek teacher certification should contact the Teacher Certification Office (417-836-8772). This office provides a program evaluation service for initial certificates (evaluation fee required), and advisement and assistance to gain additional certifications and/or additional endorsements. Official transcripts from all previous colleges attended are required for students seeking initial certification.

Those desiring Missouri initial certification in any area authorized by the State Board of Education must:

1. successfully complete Supervised Teaching;
2. satisfy all Missouri teacher certification requirements which are in effect at the time of certification;
3. have a cumulative combined (both Missouri State University and transfer) GPA of 2.75 or higher;
4. receive a departmental recommendation for the certification area(s);
5. successful completion of Missouri Educator Gateway Assessments (MEGA) as established by the Missouri Board of Education;
6. complete professional education courses with a GPA of 3.00 (Missouri State University and transfer combined) and no grade lower than a C;
7. complete certification subject area(s) courses with a GPA 3.00 on Missouri State University and transfer combined on a 4.0 scale.

Students seeking initial certification may be required to complete all required Missouri Educator Gateway (MEGA) assessments.

In some cases, part or all of the Missouri teacher certification requirements can be met with appropriate

graduate courses. Students should inquire about these opportunities in secondary and special education. It may be advantageous to couple those courses meeting certification with a graduate degree program.

**Master of Arts in Teaching:** This a secondary education program that provides a pathway to a masters degree while also obtaining teacher certification. Refer to the description of this degree program for more information.

**Special Education Certification:** Students interested in pursuing initial certification in Special Education may enroll in a combined certification/Masters degree program. Students selecting this pathway will need to apply for admission to the MEd, Special Education, and work with their advisor to develop an appropriate Advisor-Approved Program of Study. Students seeking special education certification will need to choose from the following program options within the MEd in Special Education.

- Special Education, Alternative Certification Track (SEACT). This program allows students to earn initial certification in Mild/Moderate, Cross Categorical Special Education (K-12).
- Blindness and Low Vision Track. This program allows students to earn initial certification in Blind and Partially Sighted (Birth to Grade 12).

### **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 web site](#).

### **Graduate Education Off-Campus**

Selected graduate courses are taught on-site or by Interactive Video (ITV) delivery at several locations in the Missouri State University 24-county service area. Off-campus course locations include the Missouri State University West Plains Campus, Missouri State University Mountain Grove Campus,



Lebanon, Nevada, Neosho, and locations as demand necessitates. The MBA program is delivered via ITV to West Plains, Lebanon, and Nevada. Refer to the [Missouri State Outreach web site](#) for more information.

### **Joplin Graduate Center**

Missouri State University provides graduate education to students in the Joplin region through a variety of courses offered at the Joplin Graduate Center located on the Missouri Southern State University campus. Most courses are offered with the instructor on-site, while others utilize the Interactive Video (ITV) distance learning system. Five degree programs can be completed through work at the Joplin Graduate Center:

- Master of Science in Education, Elementary Education
- Master of Accountancy
- Master of Business Administration
- Master of Social Work
- Master of Arts in Teaching

In addition, selected graduate courses in educational administration, reading, special education, counseling, and several other disciplines are offered each semester. Information on course availability can be obtained through the Graduate Center office in Joplin (417-625-3133) or the [Missouri State Outreach web site](#).

### **Bull Shoals Field Station**

The Missouri State University Bull Shoals Field Station is located on a tract of land overlooking Bull Shoals Lake in Taney County, Southwest Missouri. The nearby terrestrial and aquatic habitats are mostly undisturbed, comprising an ecosystem with considerable biodiversity. The Field Station provides a wide range of opportunities for research endeavors of graduate students in the natural sciences. Certain class activities and service programs utilize the Field Station as an integral component of the educational experience. For further information contact the Field Station Director, Dr. Janice Greene (417-836-5126; [JaniceGreen@missouristate.edu](mailto:JaniceGreen@missouristate.edu)).

### **Inter-University Collaborations**

#### **Missouri State University and Missouri Southern State University Joint Master Of Arts In Teaching**

The two Universities cooperate in offering the Master of Arts in Teaching program in Joplin. This

alternative and innovative masters/certification program is approved by the Missouri Department of Elementary and Secondary Education (DESE) and fully accredited by NCATE. It provides students the opportunity to earn teacher certification in one of 20 different areas of secondary education while also completing a masters degree. Students completing this partnership program in Joplin receive a diploma issued by Missouri State University signifying completion of the cooperative program with MSSU. Refer to the Master of Arts in Teaching section of this catalog (School of Teacher Education) for additional detail (contact person: Scott Fiedler, 417-836-8772).

### **University Of Missouri-Columbia Cooperative Doctorate in Educational Leadership**

Missouri State University collaborates in a cooperative program with the University of Missouri - Columbia (UMC) leading to an Ed.D. in Educational Leadership. Courses for the degree are offered on the Missouri State University Springfield campus and on the UMC campus. The degree is conferred by UMC. (See Department of Counseling, Leadership and Special Education for additional information.)

### **University Of Missouri-Columbia Doctoral Program In Plant Science**

A cooperative doctoral arrangement is in place between the Darr School of Agriculture at Missouri State University and the Plant Sciences Unit at the University of Missouri-Columbia (UMC). Upon completion of the M. S. degree in Plant Sciences at Missouri State University, students can apply for admission to the doctoral program in the Plant Sciences Unit UMC. If admitted, students are eligible to compete for graduate assistantships on the UMC campus. Although enrolled in an UMC degree program, students can continue at Missouri State University and conduct doctoral research programs under the advisement of faculty at Missouri State University who hold adjunct appointments in the Plant Science Unit at UMC. For further information, contact the Agriculture department at 417-836-5638.

### **Inter-University Accelerated Masters Agreements**

Missouri State University has collaborative arrangements with Evangel University, Drury University and Southwest Baptist University (SBU) that provide for qualified students from these institutions to be accepted and take courses in the Accelerated Masters program at Missouri State. This arrangement allows Evangel and Drury students who wish to obtain a masters degree in disciplines where Missouri State has an Accelerated Masters option to start taking courses at Missouri State University before they finish the undergraduate program. Collaboration between SBU and MSU applies to the Accelerated Master of Accountancy only. Enrollment at Missouri State University is simultaneous with students completion of the work at either Evangel, Drury or SBU.

In a similar collaboration, Missouri State University senior students could start the Drury University M. A. in Integrated Marketing Communication.

### **Dual-Degree Plant Science Programs**

**China Agricultural University (CAU):** Missouri State University and CAU in Beijing, People's Republic of China, have an articulation agreement where CAU plant science graduate students can complete a portion of the CAU program and then be selected to enter the MS in Plant Science at Missouri State University. These dual-degree students will subsequently complete both the CAU and Missouri State University masters degrees in plant science. (contact Dr. Wenping Qui, 417-926-4105)

**Northwest Agriculture and Forestry University (NAFU):** Missouri State University and NAFU in Yangling, Shaanxi, China have an articulation agreement whereby masters students in the NAFU plant science program will complete a portion of the NAFU program and then enter the MS in Plant Science at MSU. These dual-degree students will subsequently complete both the NAFU and Missouri State University masters degrees in plant science. (contact Dr. Wenping Qui, 417-926-4105).

### **Alliances Between Missouri State University Academic Departments And Other Regional Universities**

**Chemistry:** A cooperative agreement between the chemistry departments at Missouri State University and the University of Missouri-Columbia (UMC) facilitates the acceptance of masters degree graduates from Missouri State University into the doctorate program in chemistry at UMC. Contact the Chemistry department at 417-836-5506 for details.

**Mathematics:** Post-Masters students may transfer up to 18 credit hours of mathematics and statistics course work taken at Missouri State University to University of Missouri-Rolla (UMR) toward a doctoral program. The course work will focus on the subject matter covered by the UMR Qualifying Examinations in Statistics or Mathematics. For information, contact the Mathematics department at 417-836-5112.

### **International Program Alliances**

**International School for Management Studies:** ISMS, located at Chennai (Madras) in southern India, is a sister institution to the Madras School of Social Work and is under the sponsorship of the Society for Social Education and Research (SSER) in Chennai. The partnership is a twinning agreement that facilitates entrance of graduates of Indian universities into Missouri State University's MBA. The 24-credit hours of MBA foundation courses may be completed at ISMS and the remaining 33 hours of the MBA program will be completed in Springfield.

**Lal Bahadur Shastri Institute of Management:** LBSIM is located in New Delhi, India. The Missouri State-LBSIM agreement facilitates admission into the MBA program similar to the arrangement with ISMS in Chennai. The provisions of this twinning arrangement also provide opportunities for the exchange of business students and faculty at the graduate level, development of a joint-MBA in International Business with students from both institutions participating in course work at the two campuses, and other mutually beneficial programs.

**Institutions in South America:** Missouri State University has entered into twinning programs with the Instituto Brasileiro de Mercado de Capitais (IBMEC), Rio de Janeiro, Brazil and Universidad de Las Americas (UDLA) - SYLVANIA® International Universities, Santiago, Chile that offer excellent opportunities for faculty as well as graduate and undergraduate students with Portuguese (Brazil) and Spanish (Chile) language competencies to take part in faculty/student exchanges.

**Beijing University of Technology:** Missouri State University and Beijing Tech have an agreement that facilitates joint research projects for graduate students and faculty. A particular focus is in materials science, and this relationship enhances the opportunity for students from both universities to do their thesis research in the environment and laboratory facilities of the other university.

**National Sun Yat-sen University (NSYSU):** Missouri State University's Department of Political Science and the Graduate Institute of Political Science at NSYSU in Kaohsiung, Taiwan, have a student exchange agreement. This relationship facilitates Missouri State University students taking courses at the Graduate Institute of Political Science of NSYSU, and likewise NSYSU students are aided in the opportunity for graduate studies at Missouri State.

### **Strategic Research and Educational Partnerships with China Universities**

Missouri State University has a number of strategic partnerships with universities and institutions in China. The primary partnership universities include: China Agricultural University, Liaoning Normal University, Qingdao University, Northwest Agricultural and Forestry University, and Henan University of Finance and Economics. In addition, MSU has a research partnership with the Ningxia Forestry Institute in Yinchuan which operates the State Key Laboratory of Seedling Bioengineering. Students from the strategic partner universities qualify for the International Partners Scholarship.

# Graduate Degree Requirements

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

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

1. Complete the minimum number of credit hours required for the graduate program (minimum hours for different programs range from 30 to 83). Keep in mind that courses taken for undergraduate credit may not be used on the Program of Study 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 (applies to all programs except the MBA, MAcc, MHA; Master of Fine Arts in Visual Studies; MS in Applied Behavior Analysis; MS in CIS, MS in Criminology and Criminal Justice; MS in Cybersecurity; MS in PAS and MS in Project Management);
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*

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 on the Program of Study 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, to be directed by a faculty member from their discipline with Graduate Faculty in Research status.
6. In addition, each project will be supervised by a Doctoral Research Committee. Each will consist of at least two (2) additional faculty members with Graduate Faculty status (research, clinical/practitioner, or performance). For doctoral students who are completing a doctoral thesis, their committee will also have a fourth member from outside the department who has Graduate Faculty status in Research.
7. Presentation of the research results (thesis or project) at a forum approved by the department (except in Doctor of Nursing Practice).
8. A minimum cumulative GPA of 3.00 in all course work associated with the degree.
9. Satisfactory completion of a comprehensive exam, as specified by the department (except in Doctor of Nursing Practice).
10. Students must complete all degree requirements within an eight-year period (excluding time spent in the United States Armed Forces).
11. Students must meet all program-specific degree requirements (including research, practicum, comprehensive examination, etc).

### *Op3.19-3 Advisement*

Graduate students are assigned an advisor at the time of admission. The advisor's name and phone

number are listed on the Admission Recommendation which notifies a student of acceptance into a program. 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*

The student's degree audit is used to show requirements necessary to complete for a degree. A student can view the audit the first day of classes for 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. 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, or doctoral degree.

#### *Op3.19-5 Research Requirement*

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](http://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](#). 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*

Program requirements that represent the comprehensive examination must be completed no later than two weeks before commencement.

1. Comprehensive Examination Application/Result forms are available at <http://graduate.missouristate.edu/> (under Forms) and should be returned to the student's department upon completion of student information in the top section.
2. The department will forward results of the comprehensive examination to the Graduate College. These results will be entered into the University system (Banner) and will be reflected in the student's degree audit.

A student not passing the comprehensive examination may repeat the exam upon the recommendation of the advisor and the department head and with the approval of the Graduate College. Except for students in the MBA, MAcc, MHA, Master of Fine Arts in Visual Studies, MS in Applied Behavior Analysis, MS in CIS, MS in Criminology and Criminal Justice, MS in Cybersecurity, MS in PAS and MS in Project Management, Doctor in Nursing Practice, a comprehensive examination must be passed by the candidate before a degree will be granted.

### *Op3.19-7 Graduate Transfer Credit*

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*

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](#)).

### *Op3.19-9 Grade Requirements for Degree*

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, or if the student does not meet any additional specific degree retention requirements imposed by a department or program.

### *Op3.19-10 Graduation*

**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 under the Academics Tab, Commencement Channel, in [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). A special permission form is required which includes approval by the student's advisor, department head, and the Graduate College.

# Graduate College Admission Requirements

## *Op5.01-4 Graduate Students Admission Policy*

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 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.

# 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: 1   Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

# 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](#). Also refer to the [Refund Policy](#) 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](#).

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](#). 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, CIS, COU, PAS, PSY, and Nurse Anesthesia programs. Refer to the [Graduate Student Admissions website](#) 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](#)" 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.

# Graduate Assistantships

## 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. Often, the assistantship assignment is related to the student's program of study. Some openings are posted on the Graduate College website <http://graduate.missouristate.edu> (under Financing Graduate School). 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 assistantships 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 verbal 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.

The complete CGS resolution can be found at [http://www.cgsnet.org/portals/0/pdf/CGS\\_Resolution.pdf](http://www.cgsnet.org/portals/0/pdf/CGS_Resolution.pdf)

**Stipends:** The graduate assistantship is generally 20 hours per week and provides a minimum stipend of \$8,772 for the 2016-17 academic year (nine months), and in some disciplines, stipends of \$10,672 will be awarded. A graduate assistant must complete a minimum of 6 hours of graduate course work (600-level or above) during each semester of appointment on an assistantship. Some departments or administrative units may require graduate assistants to be enrolled for more than 6 hours of course work in a semester. Graduate Assistants in their final semester can be enrolled in as few as 3 hours if they are completing the course work on their Program of Study. In rare cases, an assistantship may be



awarded at quarter-time (10 hours per week) and would pay half the normal stipend.

A limited number of graduate assistantships are available during the summer session. A graduate assistant appointed for the 2017 summer session will receive a stipend of either \$2,193 or \$2,668. Summer graduate assistants must complete a minimum of 3 hours of graduate course work (600-level or above) during the summer session.

Students who apply for graduate assistantships are also eligible to receive a limited fee-waiver scholarship (see Fee-waiver Scholarships section). Note that graduate assistant paperwork must be received in the Graduate College by September 15 (for Fall semester) and February 15 (for Spring semester) for the student to be eligible for the fee-waiver scholarship.

**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.

**Eligibility:** 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. Eligibility ends once the Advisor Approved Program of Study is completed. A minimum GPA of 3.00 on the undergraduate cumulative or last 60 hours for first time graduate students, or graduate cumulative (minimum of 9 hours) for current graduate students is required. A student in a master's degree program may hold an assistantship for a maximum of two years (including fall, spring and summer) and a student admitted to a graduate certificate program may hold an assistantship for two semesters. A student is eligible for a third year of an assistantship support if he/she has completed all requirements for a master's degree and is admitted to a second master's degree or graduate certificate program. Also, students in a doctoral program or the MFA are eligible for a third year of assistantship support. **Students with 20 hours per week graduate assistantships are not eligible for other University employment with exceptions as noted in the Human Resources Payroll calendar.** With **pre-approval** only from the Graduate College, a half (10 hour per week) assistant may possibly be allowed to hold other University employment on a very limited basis. Assistants must maintain a 3.00 GPA to maintain eligibility.

**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 graduate assistantships with teaching assignments:

- Successful completion of at least one semester of enrollment at a public institution of higher education in the state of Missouri. (Note: Exceptions may be granted in special cases upon approval of the chief academic and executive officers of the institution). During this semester, students will obtain a cultural orientation to prepare them for a teaching appointment.
- In the weeks prior to this semester, attendance at the new-student orientations sponsored by International Services and the Graduate College.
- Passing of a Missouri State University juried examination in which the candidate must demonstrate his/her ability to interpret written English passages and to communicate orally in English in a classroom setting. Juried examinations are to be approved by the Graduate College. Membership of the jury will include one member of the applicant's major department (appointed by that department's head), one member from the Department of Communication, and one other faculty representative (the latter two members to be approved by the Graduate College).

### **Graduate 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. These sessions are designed to provide students with information relevant to their academic role: i) graduate assistantship responsibilities; ii) legal issues related to teaching; and iii) effective teaching strategies. Students having assistantship responsibilities that include direct or indirect teaching must participate in this pre-semester orientation.

**Departments:** In most cases where Graduate Assistants have instructional responsibilities, the academic department provides formal orientation and training sessions for the specific teaching assignments.

### **Scholarships**

#### **Fee-waiver Scholarships**

Students who receive graduate assistantships are also eligible for a **limited** fee waiver scholarship if appointed by September 15 (fall semester or academic year GA) or February 15 (spring semester GA). Fee waivers are intended to cover graduate courses required on the Advisor Approved Program of Study. The maximum cumulative graduate credits allowable with fee waiver scholarship assistance will not exceed ten percent beyond the minimum credit hour requirements of the degree program. Upon review, courses which do not meet this guideline will result in loss of the fee waiver benefit for such courses or possible future eligibility. For fee-waiver purposes, credit hours taken in the intersession prior to the semester are part of the allowable fee-waiver limits of that semester (i.e., 15 hours limit in fall, 15

hours limit in spring and 6 hours in summer). **Fee-waiver scholarships are for up to 15 hours of course work consistent with the student's program of study for each of the fall and spring semesters (limited to 6 hours for quarter-time assistantships). Those receiving summer term fee-waiver scholarships have fee coverage for up to 6 hours of course work (limited to 3 hours for quarter-time assistants).**

Students appointed on a graduate assistantship during the Spring semester are eligible for a fee waiver scholarship during the following Summer term as long as minimum eligibility is maintained. This eligibility does not depend on having a Summer graduate assistantship.

Please note: The G.A. fee waiver scholarship covers **only** the standard \$258 for Missouri Residents or \$518 for Non-Resident (per credit hour) of Basic Fees for any regular-instruction graduate-level course, or up to \$285 (per credit hour) for any internet-based graduate-level course, plus the Student Services Fee. The G.A. fee waiver scholarship does not pay for differential fees assessed for some courses in the College of Health & Human Services (CHHS)-regular or internet based instruction as specified in the 2016-2017 Detailed Costs and Fees schedule; Other or Supplemental Course fees assessed on any course, and does not pay for Student health insurance, books or other miscellaneous fees. The complete Required Student Fees schedule is available at:

<http://www.missouristate.edu/registrar/costs.htm>

### **Missouri Outreach Graduate Opportunity (MOGO) Scholarship**

The Missouri Outreach Graduate Opportunity (MOGO) Scholarship provides a partial remission of out-of-state fees 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 fees for 9 credit hours (5 credits hours in the summer). For the 2011-2012 academic year the value would have been \$1,533 for fall and spring semester. The scholarship amount will be adjusted annually when the Missouri State University Board of Governors approves changes to the student fee schedule.

No application is required. Once a student meets the eligibility criteria, the scholarship will automatically be offered. The MOGO Scholarship cannot be combined with other forms of University aid, including scholarships, graduate assistantships, or fee waivers.

**MOGO Eligibility Requirements:** To be eligible, a student must be considered a non-resident of Missouri for fee purposes, have an undergraduate GPA of at least 3.25, have official scores from the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), or Miller Analogies Test (MAT) on file with the Missouri State University Graduate College, be a first-time, degree-seeking graduate student admitted into an eligible program (see below) and be enrolled as a full-time graduate student, taking at least 9 graduate credit hours during the fall and during the spring semester or 5 graduate credit hours during the summer. Out-of-state undergraduate students in Missouri State University accelerated master's programs may qualify for the scholarship after they have

completed their bachelor's degree and are given full graduate status.

**Eligible Programs include:**

- Accountancy (MAcc)
- Applied Anthropology (MS)
- Audiology (AuD)
- Biology (MS)
- Cell and Molecular Biology (MS)
- Chemistry (MS)
- Communication (MA)
- Communication Sciences and Disorders (MS)
- Counseling (MS)
- Criminology and Criminal Justice (MS)
- Early Childhood and Family Studies (MS)
- Educational Administration (MSEd)
- Elementary Education (MSEd)
- Educational Administration (EdS)
- English (MA)
- Geospatial Sciences in Geography and Geology (MS)
- Health Administration (MHA)
- Health Promotion and Wellness Management (MS)
- History (MA)
- Educational Technology (MSEd)
- Master of Global Studies (MGS)

- Master of Arts in Teaching (MAT)
- Mathematics (MS)
- Materials Science (MS)
- Music (MM)
- Natural and Applied Science (MNAS)
- Nursing (MSN)
- Plant Science (MS)
- Psychology (MS)
- Project Management (MS)
- Public Administration (MPA)
- Public Health (MPH)
- Reading (MSEd)
- Religious Studies (MA)
- Secondary Education (MSEd)
- Social Work (MSW)
- Special Education (MSEd)
- Student Affairs (MS)
- Theatre (MA)
- Writing (MA)
- Dietetics Internship (Graduate Certificate)

**Programs not eligible for MOGO are:**

- Administrative Studies (MSAS)
- Business Administration (MBA)

- Computer Information Systems (MS)
- Defense and Strategic Studies (MS)
- Educational Leadership – Cooperative Program with the University of Missouri-Columbia (Ed.D)
- Nurse Anesthesia (MS)
- Physical Therapy (DPT)
- Physician Assistant Studies (MS)

**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 which can only be granted by the Graduate College. Enrollment in the MOGO program during the summer semester is optional. 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. If an exception is granted, the scholarship award will be reduced proportional to the number of credit-hour enrollment.

### **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 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](#) web site.

### **Federal Financial Assistance**

For a complete listing of all federal financial aid available, eligibility, and procedures, refer to the [Financial Aid Office](#) web site.

### **Veterans Benefits and Services**

Missouri State University is approved for certification of students eligible to receive educational assistance (G.I. Bill) from the U.S. Department of Veterans Affairs (DVA). For more information, refer to the [Veterans Student Services](#) web site.

### **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](#) web site.

# Programs Offered

## Master's programs

✚Includes accelerated master's option

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 \(MAcc\)](#)✚

[Administrative Studies: Applied Communication Option](#) (MS)

[Administrative Studies: Criminal Justice Option](#) (MS)

[Administrative Studies: Environmental Management Option](#) (MS)

[Administrative Studies: Homeland Security and Defense Option](#) (MS)

[Administrative Studies: Individualized Option](#) (MS)

[Administrative Studies: Producing and Screenwriting Option](#) (MS)

[Administrative Studies: Sports Management Option](#) (MS)

[Applied Anthropology](#) (MS)✚

[Applied Behavior Analysis](#) (MS)

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

[Athletic Training](#) (MS)

### B

[Biology](#) (MS)✚

[Business Administration](#) (MBA)✚

### C

[Cell and Molecular Biology](#) (MS)✚

[Chemistry](#) (MS)✚

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

[Computer Information Systems](#) (MS)



**Child Life Studies** (MS)**Communication** (MA)✚**Communication Sciences and Disorders:  
Education of the Deaf and Hard of Hearing  
option** (MS)**Counseling** (MS)**Criminology and Criminal Justice** (MS)✚**Cybersecurity** (MS)**D****Defense and Strategic Studies** (MS)**E****Early Childhood and Family Development** (MS)✚**Elementary Education** (MSEd)✚**Educational Administration** (MSEd)**English** (MA)**Educational Technology** (MSEd)✚**F****Fine Arts, Visual Studies** (MFA)**G****Geospatial Sciences in Geography, Geology and  
Planning** (MS)✚**Global Studies** (MGS)✚**H****Health Administration** (MHA)✚**Health Promotion and Wellness Management**  
(MS)✚**History** (MA)✚**I****Interdisciplinary Studies** (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 Geography, Geology, and Planning \(MNAS\)](#)✚

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

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

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

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

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

[Nurse Anesthesia \(MS\)](#)

[Nursing \(MSN\)](#)✚

**O**

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

**P**

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

[Psychology \(MS\)](#)

[Plant Science \(MS\)](#)✚

[Public Administration \(MPA\)](#)✚

[Project Management \(MS\)](#)✚

[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: Business 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)

[Secondary Education: Speech and Theatre 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

[Counseling and Assessment](#) (EdS)

[Teacher Leadership](#) (EdS)

[Educational Administration](#) (EdS)

## Doctoral programs

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

[Nursing Practice, Doctor of](#) (DNP)

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

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

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

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

## Certificates

### A

[Administrative Studies](#) (Certificate)

[Autism Spectrum Disorders](#) (Certificate)

### C

[Community Corrections](#) (Certificate)

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

[Computer Information Systems](#) (Certificate)

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

[Cybersecurity](#) (Certificate)

[Conservation Education](#) (Certificate)

### D

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

[Dietetics Internship](#) (Certificate)

### E

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

[Elementary Mathematics Specialist](#) (Certificate)

Educational Technology (Certificate)

Entrepreneurship (Certificate)

## F

Finance (Certificate)

Forensic Accounting (Certificate)

Financial Analysis (Certificate)

Forensic Child Psychology (Certificate)

## G

Geospatial Information Science (Certificate)

## H

Health Administration (Certificate)

Homeland Security and Defense (Certificate)

History for Teachers (Certificate)

## I

Individualized (Certificate)

International Business (Certificate)

## L

Leadership (Certificate)

Literacy (Certificate)

## M

Management (Certificate)

Marketing (Certificate)

## O

Orientation and Mobility (Certificate)

Ozarks Studies (Certificate)

## P

Post-Master's Nurse Educator (Certificate)

Public Health and Homeland Security

Project Management (Certificate)

Public Health Administration (Certificate)

(Certificate)

Public Health Core (Certificate)

Public Management (Certificate)

## R

Religious Studies for the Professions

(Certificate)

## S

Screenwriting for Television and Film  
(Certificate)

Special Education Director (Certificate)

Sports Management (Certificate)

## T

Tax Accounting (Certificate)

Teacher Leadership (Certificate)

Teaching and Learning (Certificate)

Teaching English to Speakers of Other  
Languages (TESOL) (Certificate)

# Academic Policies

## Policies

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# Academic Integrity

*Op3.01 Academic Integrity Policies and Procedures (Students)*

To view this policy in its entirety, see [Academic Integrity Policies and Procedures](#).

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

# Accelerated Masters Program (Mixed Credit)

## *Op3.04-51 Undergraduate Students Taking Graduate Credit*

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.

# Address

## *Op3.04-5 Address*

Students shall verify that their addresses are correct at the time of registration either online or by reporting address changes to the Office of the Registrar.

The local address is generally used to contact students when classes are in session. The permanent address is used on billings, refunds and other items sent while classes may not be in session. The local and permanent address may be the same. Students are required to have a street address/PO Box number, city, state, and ZIP on the local and permanent addresses.

Change of a permanent address does not affect a student's residency status for fee purposes. If a change of residency is appropriate, the proper forms must be completed in the Office of Admissions, Carrington Hall 204.

# Attendance Policy

## *Op3.04-7 Attendance Policy*

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)<sup>1</sup> 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.

<sup>1</sup>The 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.**

# Auditing a Course

## *Op3.04-8 Auditing a Course*

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.



# Certificate

## *Op3.04-21 Diploma/University Certificate*

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 name printed on the diploma/certificate is the name provided by the student on the Application to Graduate form in accordance with the [Name Change policy](#).

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.

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.

# Change of Schedule (Drop/Add)

*Op3.04-10 Change of Schedule (Add/Drop)*

## 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](#) 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 (first five days of fall or spring semesters; first two days of summer session). 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](#) 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, this deadline shall be set at the three-fourths mark of that class. A “W” grade indicates the student withdrew from 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](#).

**Students who have a hold which prevents using the web registration system can drop the class or classes by contacting the Office of the Registrar in person, faxing a signed [registration form](#) to 417-836-6334, or sending an email to [registrar@missouristate.edu](mailto:registrar@missouristate.edu) from their University email account.**

Students are expected to complete the courses for which they register. Failure to properly drop from

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

A section change is considered a drop and an add, and is treated as such in determining the refund or credit to be granted.

## 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 which significantly interferes with their ability to meet their academic commitments (e.g., personal medical condition, catastrophic loss). 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 full semester classes as specified on the academic calendar.

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 all their dropped courses and will be considered 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.

# Class Disruption

## *Op3.04-11 Class Disruption*

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](#) policy.

# Commencement

## *Op3.04-13 Commencement*

Students who wish to participate in commencement ceremonies must do so in their semester of graduation. Students who cannot do this may apply through the Office of the Registrar, Carrington Hall 320, to participate in a subsequent commencement ceremony. 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 our web site at [www.missouristate.edu/commencement](http://www.missouristate.edu/commencement).

# Credit Hours and the Semester System

## *Op3.04-16 Credit Hours and Semester System*

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, and an 8 week summer session. Additional instructional periods such as intersession, blocks, sessions, short, and extended class periods are offered. The amount of credit hours awarded for courses is based upon the instructional time and the type (lecture or lab) of course. Lecture courses meet the equivalent of 50 minutes (in addition to two hours of out-of-class student work time) per week for 15 weeks (or 750 minutes total) for one semester hour of credit. Laboratory and studio courses meet for the equivalent of 100 minutes (in addition to one hour of out-of-class student work time) per week for 15 weeks (or 1500 minutes total) for one semester hour of credit. Courses which include both lecture and laboratory type meetings will utilize the appropriate combination of the above guidelines; as will all courses taken for credit, regardless of length.

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. Laboratory sessions and activity-type courses which are primarily characterized by hands-on, experimental, and skill-building activities shall be in session 30 clock hours for each hour of credit. Workshop courses may vary, depending on the situation. Some workshops fall into the hands-on, activity-type category while others are structured primarily as lecture classes taught in a more intensive, abbreviated format.

Some courses include "clinical" contact hours which 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 number of contact hours is determined by agreement between instructor and student.

# Diploma

## *Op3.04-21 Diploma/University Certificate*

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 name printed on the diploma/certificate is the name provided by the student on the Application to Graduate form in accordance with the [Name Change policy](#).

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.

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.



# Enrollment Status

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

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.

# Final Examination Period

## *Op3.04-25 Final Examination Period*

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) in advance of 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.

# Grade Appeals and Academic Grievances

## *Op3.04-28 Grade Appeal and Academic Grievances*

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."

# Grade Requirements

## *Op3.19-9 Grade Requirements for Degree*

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, or if the student does not meet any additional specific degree retention requirements imposed by a department or program.

# Grade Point Average

## *Op3.04-29 Grade Point Average*

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" and "Scholastic Honors" 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" and "Repeat Policy" sections for more details on grade point average calculation. The grade point average of graduate and postbaccalaureate 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.



# Graduation

## *Op3.19-10 Graduation*

**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 under the Academics Tab, Commencement Channel, in [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). A special permission form is required which includes approval by the student's advisor, department head, and the Graduate College.

# Hold

## *Op3.04-23 Holds*

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.

# Incomplete Grade

## *Op3.04-33 Incomplete Grade*

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 as of the end of the semester for which they have applied to graduate must remove 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.

# Instructor Drop

## *Op3.04-34 Instructor Drop*

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.

# Name Change

## *Op3.04-35 Name Change*

Students are required to provide their official legal name at the time of application and to process official name changes while enrolled, as appropriate. Name change requests for applicants, current, and former students must be submitted in writing to the Office of the Registrar and will require documentation of the change. Requests may be made in person, via fax, or by mail. Mailed requests should be sent to: the Office of the Registrar, Room 320 Carrington Hall, Missouri State University, 901 S. National, Springfield, MO 65897.

Documentation generally consists of new driver's license, official state ID card, Social Security card, certified copy of marriage license, court order, dissolution decree, current passport or official proof of identity certified by U.S. embassy abroad or by the appropriate foreign embassy in the United States. Other forms of documentation may be considered on a case-by-case basis. When academic records are maintained on microfilm, the student's name cannot be updated on the microfilm. Students who attended Missouri State University before 1985 have microfilm records. A [change of student information form](#) is available online.

## **Student name on diploma and university certificates**

The student name listed on a diploma or certificate must match the official name on file at the University, with the following exceptions:

- option of first name or initial;
- option of middle name or initial;
- inclusion of former or maiden name(s); and
- inclusion of proper capitalization and accentuation of name.

Students indicate the desired diploma name on the Intent to Graduate form (undergraduate students) or Application for Graduation form (graduates students); and the certificate name on the Notification of Completion form. If you have any questions regarding changing your name, please contact the Office of the Registrar at 417-836-5520 or send an email to [registrar@missouristate.edu](mailto:registrar@missouristate.edu).

# Overload Permission

## *Op3.04-36 Overload Permission*

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, Postbaccalaureate 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

# Pass/Not Pass Grading Option

## *Op3.04-37 Pass/Not Pass Grading Option*

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 125 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.

# 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*

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 \[Add/Drop\]](#)). 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](#) apply to military students/dependents as they do for any other student.**

# Prerequisites

## *Op3.04-38 Prerequisites*

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.

# Registration

## *Op3.04-39 Registration*

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](#). New students are informed of registration opportunities with admission materials. Evening, online and non-degree seeking students may seek additional registration assistance through [Missouri State Outreach](#).

Undergraduate students who have less than 75 earned undergraduate credit hours are required to obtain advisor release prior to registration. Graduate students must also obtain advisor release prior to registration each semester.

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 on academic probation will be required to have advisement prior to enrolling. 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.

Students are not permitted to attend classes unless they are officially enrolled in those classes. Students whose names do not appear on the instructor's official class list should contact the Office of the Registrar.

**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 \(and Withdrawing\)](#)" section.**

# Repeat Policy

## *Op3.04-40 Repeat Policy*

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.

# Senior Permission for Graduate Credit

## *Op3.04-51 Undergraduate Students Taking Graduate Credit*

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.

# Transfer Credit Policy

## *Op3.19-7 Graduate Transfer Credit*

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.

# Colleges and Academic Units

## Colleges and Academic Units

### Colleges

Missouri State has six academic colleges, one School of Agriculture and One Graduate College. These units comprise the overall structure of the University's academic programs

[College of Arts and Letters](#)

[College of Natural and Applied Sciences](#)

[College of Business](#)

[Interdisciplinary Graduate Programs](#)

[College of Education](#)

[Department of Library Science](#)

[College of Health and Human Services](#)

[William H. Darr School of Agriculture](#)

[College of Humanities and Public Affairs](#)

### Departments

#### A

[Art and Design Department](#)

[Accountancy, School of](#)

#### B

[Biomedical Sciences Department](#)

[Biology Department](#)

#### C

[Chemistry Department](#)

[Computer Information Systems Department](#)

[Childhood Education and Family Studies  
Department](#)

[Computer Science Department](#)

[Communication Department](#)

[Counseling, Leadership, and Special Education  
Department](#)



[Communication Sciences and Disorders  
Department](#)

[Criminology and Criminal Justice Department](#)

## **D**

[Defense and Strategic Studies Department](#)

## **E**

[Economics Department](#)

[English Department](#)

## **F**

[Fashion and Interior Design Department](#)

[Finance and General Business Department](#)

## **G**

[Geography, Geology, and Planning Department](#)

## **H**

[History Department](#)

[Hospitality Leadership Department](#)

## **K**

[Kinesiology Department](#)

## **M**

[Management Department](#)

[Media, Journalism and Film Department](#)

[Marketing Department](#)

[Modern and Classical Languages Department](#)

[Mathematics Department](#)

[Music Department](#)

## **N**

[Nursing, School of](#)

**O**

[Occupational Therapy Department](#)

**P**

[Philosophy Department](#)

[Physical Therapy Department](#)

[Physician Assistant Studies Department](#)

[Physics, Astronomy, and Materials Science  
Department](#)

[Political Science Department](#)

[Psychology Department](#)

**R**

[Reading, Foundations, and Technology  
Department](#)

[Religious Studies Department](#)

**S**

[Social Work, School of](#)

[Sociology and Anthropology Department](#)

[Sports Medicine and Athletic Training  
Department](#)

**T**

[Technology and Construction Management  
Department](#)

[Theatre and Dance Department](#)

# College of Arts and Letters

## Programs

✚Includes accelerated master's option

### Master's programs

[Administrative Studies: Applied Communication Option](#) (MSAS)

[Administrative Studies: Producing and Screenwriting Option](#) (MSAS)

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

[Communication](#) (MA)✚

[English](#) (MA)

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

[Music](#) (MM)

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

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

[Secondary Education: Speech and Theatre Area of Emphasis](#) (MSEd)

[Writing](#) (MA)✚

### Certificates

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

[Ozarks Studies](#) (Certificate)

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

[Teaching English to Speakers of Other Languages \(TESOL\)](#) (Certificate)

Centers for Research and Service

Contact

## Center for Dispute Resolution

The [Center for Dispute Resolution](#) 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.

## Missouri Fine Arts Academy

The [Missouri Fine Arts Academy](#) 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.

## Ozarks Studies Institute

The [Ozarks Studies Institute](#) 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.

## 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.

### Dean

[Gloria Galanes](#)

### Associate deans

[Madeleine Hooper](#)

[Mark Biggs](#)

### Office

Craig Hall, Room 106 C

### Phone

417-836-5247

### Fax

417-836-6940

### Email

[CollegeofArtsandLetters@missouristate.edu](mailto:CollegeofArtsandLetters@missouristate.edu)

### Website

<http://coal.missouristate.edu/>

# Department of Art and Design

## Programs

✚ Includes accelerated master's option

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## 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

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 MSEd, 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

## Contact

### Department head

Vonda Yarberry

### Office

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101

### Phone

417-837-2330

### Fax

417-836-6055

### Email

[ArtandDesign](#)

[@MissouriState.edu](mailto:MissouriState.edu)**Website**[art.missouristate.edu](http://art.missouristate.edu)

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.

# Art and Design Graduate Faculty

## Professors

[Keith A. Ekstam](#)

[Billie J.A. Follensbee](#)

[Sharon Harper](#)

[Catherine Jolivette](#)

[Sarah Perkins](#)

[Eric Pervukhin](#)

[Bruce J. West](#)

[Steve C. Willis](#)

[Vonda Yarberry](#)

## Associate professor

[Jacek Fraczak](#)

[Marcus Howell](#)

[Mitzi Kirkland-Ives](#)

[Sean Lyman](#)

## Assistant professor

[Deidre Argyle](#)

[Cole Closser](#)

[Bryan Colby Jennings](#)

[Sarah Williams](#)

## Emeritus professors

[Carolyn Cardenas](#)

[Dwaine Crigger](#)

[Judith Fowler](#)

Rodney S. Frew

Wade Thompson



# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

### ART 701 Directed Graduate Studio I

*Prerequisite: admission to the MFA in Visual Studies program and permission of instructor.*

Graduate studio research in visual art/design in preparation for thesis development. Course content to be determined by the student under the supervision of a graduate faculty member.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### ART 702 Directed Graduate Studio II

*Prerequisite: ART 701 and permission of instructor.*

Continuation of ART 701. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### ART 703 Directed Graduate Studio III

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

*Prerequisite: ART 702 and permission of instructor.*

Continuation of ART 702. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ART 704 Directed Graduate Studio IV**

*Prerequisite: ART 703 and permission of instructor.*

Continuation of ART 703. Graduate studio research in visual art/design. Course content to be determined by student under the supervision of a graduate faculty member.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**ART 688 Basic Conservation of Art and**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3 Lecture contact hours: 2**

**Lab contact hours: 3**

**Artifacts**

*Prerequisite: 3 hours of art history at the undergraduate upper level or graduate level and permission of instructor.*

This course combines advanced art historical study and research of art and artifacts with a hands-on introduction to basic conservation techniques. May be taught concurrently with ART 488 and/or MST 488. Cannot receive credit for both ART 688 and ART 488 and/or MST 488.

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 total of 6 hours. May be taught concurrently with ART 590. Cannot receive credit for both ART 590 and ART 690.

**Credit hours: 2-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ART 692 Art and Theory**

*Prerequisite: 3 hours of art history at the undergraduate upper division level or graduate level and permission of instructor.*

**Typically offered:** Fall

[Projected offerings](#)

### **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 total of 9 hours.

**Credit hours: 3    Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ART 794 Independent Study in Art History**

*Prerequisite: permission of instructor.*

Individual projects and special problems in Art History. Permission granted only in special circumstances. May be repeated to a total of 9 hours.

**Credit hours: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ART 795 Graduate Internship in Art History**

*Prerequisite: permission of instructor.*

Student will complete various duties as assigned with art history-related organizations. These

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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. May be repeated to a total of 6 hours. Variable content course. May be taught concurrently with ART 598. Cannot receive credit for both ART 598 and ART 698. Supplemental course fee.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer  
[Projected offerings](#)

### **ART 699 Graduate Studio**

*Prerequisite: permission of instructor.*

Individual graduate studio research in visual art/design. May be repeated for credit.

**Credit hours:** 3 **Lecture contact hours:** 0

include local museums, galleries, and/or various resource-media collections. May be repeated to a total of 6 hours.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Fall  
[Projected offerings](#)

**Lab contact hours:** 6

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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 for a total of 6 hours.

**Credit hours:** 1 **Lecture contact hours:** 0

**Lab contact hours:** 2

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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 for credit.

**Credit hours:** 6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

# Fine Arts, Visual Studies

## Graduate programs

### Master of Fine Arts, Visual Studies

Sarah Williams, 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 Application for Graduate Admission; and
3. The following materials must be received in the Art and Design Department (see the department website for specific details):

portfolio documentation in an appropriate digital format;

- 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.

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**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>ART 692</u></a>	Art and Theory	3 hrs
<a href="#"><u>ART 699</u></a>	Graduate Studio	15-21 hrs
<a href="#"><u>ART 701</u></a>	Directed Graduate Studio I	3 hrs
<a href="#"><u>ART 702</u></a>	Directed Graduate Studio II	3 hrs
<a href="#"><u>ART 703</u></a>	Directed Graduate Studio III	3 hrs
<a href="#"><u>ART 704</u></a>	Directed Graduate Studio IV	3 hrs
<a href="#"><u>ART 710</u></a>	Professional Practices	3 hrs
<a href="#"><u>ART 798</u></a>	Graduate Studio Seminar	6 hrs
<a href="#"><u>ART 799</u></a>	Graduate Studio Thesis	12 hrs



<a href="#"><u>ART 797</u></a>	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:

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>ART 672</u></a>	Medieval Art	3 hrs
<a href="#"><u>ART 675</u></a>	Art of the Renaissance	3 hrs
<a href="#"><u>ART 678</u></a>	Baroque Art	3 hrs
<a href="#"><u>ART 680</u></a>	Modern Art	3 hrs
<a href="#"><u>ART 684</u></a>	Contemporary Art	3 hrs
<a href="#"><u>ART 685</u></a>	Art of Mesoamerica	3 hrs
<a href="#"><u>ART 688</u></a>	Basic Conservation of Art and Artifacts	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.

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>LIS 604</u></a>	Reference	3 hrs

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<a href="#"><u>LIS 634</u></a>	Introduction to Storytelling	3 hrs
<a href="#"><u>MED 661</u></a>	Sound Mixing	3 hrs
<a href="#"><u>MED 662</u></a>	Digital Filmmaking and/or	3 hrs
<a href="#"><u>MED 697</u></a>	Advanced Studies in Media	
<a href="#"><u>LIS 602</u></a>	History of Books and Libraries	3 hrs
<a href="#"><u>MED 681</u></a>	Issues in Media Ethics	3 hrs
<a href="#"><u>MED 670</u></a>	Film Theory and/or	3 hrs
<a href="#"><u>MED 680</u></a>	Media in Politics	

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### **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.

# Secondary Education: Art Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Art Area of Emphasis

Contact area of emphasis advisor Steve Willis.

See program requirements for the [MSEd, Secondary Education](#).

### 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
<a href="#">ART 700</a>	Historical Perspectives in Art Education	3 hrs
<a href="#">ART 760</a>	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
	<b>Total</b>	<b>15-21 hrs</b>

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.

# School of Communication Studies: Department of Communication

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Communication](#) (MA) ✚

[Administrative Studies: Applied Communication Option](#)

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## Certificates

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

## Mission statement

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](#)

## Contact

### Department head

Shawn T. Wahl

### Office

Craig Hall, Room 375

### Phone

417-836-4423

### Fax

program 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.

417-836-4774

**Email**[Shawnwahl@MissouriState.edu](mailto:Shawnwahl@MissouriState.edu)**Website**[communication.missouristate.edu](http://communication.missouristate.edu)

# Communications Graduate Faculty

## Professors

[Charlene A. Berquist](#)

[John S. Bourhis](#)

[Randy K. Dillon](#)

[Gloria J. Galanes](#)

[Shawn T. Wahl](#)

[Kelly S. Wood](#)

[Isabelle Bauman](#)

[LeAnn Brazeal](#)

[Elizabeth Dudash-Buskirk](#)

[Samuel C. Dyer](#)

[Eric Morris](#)

## Associate professors

## Assistant professors

[Daniel Jake Simmons](#)

## Emeritus professors

[Herbert W. Jackson](#)

[Russell M. Keeling](#)

[Janis L. King](#)

John I Sisco

[Ralph R. Smith](#)

Holt V. Spicer

[Donal J. Stanton](#)



# Communication

## Graduate programs

### Master of Arts, Communication

**Randy Dillon, Graduate Director**

Craig Hall, Room 375, Phone 417-836-4423

[RandyDillon@missouristate.edu](mailto:RandyDillon@missouristate.edu)

### Entrance requirements

1. The student 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 submit scores for either the General Record Examination (GRE) OR the Millers Analogy Test (MAT) prior to the beginning of their second semester of course work. For information on these tests, please see the "Admission to Graduate Study" section of the Missouri State University Graduate Catalog.
4. The student must have attained a GPA of at least 3.00 on a 4.00 scale for the last 60 credit hours of academic work or at least a GPA of 2.75 on a 4.00 scale for the last 60 credits of academic work **and** a score of 153 or above on the verbal section of the Graduate Record Examination (GRE) and a score of 140 or above on the quantitative section of the GRE or a score on the MAT in the 50th percentile or higher.
5. 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 Director. Probationary students will not be eligible for graduate and/or teaching assistantships.

6. 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 32 hrs)

1. **Theory.** Must complete 7 hours in Theory as follows:

Course Code	Course Title	Credit Hours
<a href="#"><u>COM 701</u></a>	Introduction to Graduate Studies	1 hr
<a href="#"><u>COM 702</u></a>	Theory and Research in Communication	3 hrs
<a href="#"><u>COM 706</u></a>	Rhetorical Theory	3 hrs

2. **Methodology.** Must select two courses, 6 hours, in the Methodology of Inquiry:

Course Code	Course Title	Credit Hours
<a href="#"><u>COM 712</u></a>	Quantitative Analysis in Communication Research	3 hrs
<a href="#"><u>COM 714</u></a>	Qualitative Analysis in Communication Research	3 hrs
<a href="#"><u>COM 716</u></a>	Rhetorical Analysis in Communication Research	3 hrs
<a href="#"><u>COM 718</u></a>	Applied Communication Research Methods	3 hrs

3. **Additional course work.** Students are required to complete a minimum of 19 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 19 credits in the Department of Communication.

4. **Teaching Assistants.** In addition to the above listed requirements, 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. Thesis credit shall be no more than six semester hours of the minimum required for a master's degree.

*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.

1. **Comprehensive Examination.** A comprehensive examination must be passed by the candidate before a degree will be granted.
2. **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 32 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 10 credit hours at the 600-700 level that apply to both their undergraduate and graduate degree programs. Students **MUST** enroll in [COM 701](#) 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. Junior standing with a cumulative GPA of 3.25.

2. 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. A letter of recommendation by a graduate faculty member in the School of Communication Studies or an equivalent department at another institution.
4. A personal statement of no more than 2 pages addressing the applicant's qualifications for the Accelerated program and the role the program plays in the applicant's personal and professional goals.
5. A sample of academic writing of no less than 3 pages.
6. Admission by the Graduate Faculty in the Department of Communication.
7. Submission of GRE or MAT scores prior to the beginning of the second semester of course work. For information on these tests, please see the "Admission to Graduate Study" section of the Missouri State University Graduate Catalog.

Date for first consideration for applications: February 1.

# Administrative Studies: Applied Communication Option

## Graduate programs

### Master of Science, Administrative Studies - Applied Communication Option

The Department of Communication participates in the Master of Science, Administrative Studies (MSAS) degree. The MSAS 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 [MSAS Program](#) for more information.

### Applied Communication Option required courses (choose any four from list below):

Course Code	Course Title	Credit Hours
<a href="#">COM 611</a>	Conflict and Communication	3 hrs
<a href="#">COM 617</a>	Communication and Diversity in the Workplace	3 hrs
<a href="#">COM 619</a>	Ethical Issues in Communication	3 hrs
<a href="#">COM 732</a>	Theories and Concepts of Small Group Communication	3 hrs
<a href="#">COM 713</a>	Media Resources for Organizations	3 hrs

# Conflict and Dispute Resolution

## 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 a 16 hour graduate-level experience for 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 three required components: a theory/research component, a law/policy/ethics 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 apply and be admitted to the Graduate College. 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 Director. Admission to the certificate program does not constitute admission to any other Missouri State University graduate program.

### Required courses - 16 hours total

#### Theory/Research Core

Course Code	Course Title	Credit Hours
<a href="#">COM 611</a>	Conflict and Communication	3 hrs
<a href="#">COM 621</a>	Communication, Mediation and Negotiation	3 hrs

Both [COM 611](#) and [COM 621](#) contribute to the mission of the certificate by providing essential background on theory and research on conflict, mediation, and negotiation.

### Application Core

Course Code	Course Title	Credit Hours
<a href="#">COM 600</a>	Service Learning in Communication Graduate Study	1 hr

Contributes to the mission of the certificate by providing hands-on experience in conflict and/or mediation.

### Law/Policy/Ethics Core

One of the following courses:

Course Code	Course Title	Credit Hours
<a href="#">LAW 600</a>	Legal Environment for Business Managers	3 hrs
<a href="#">EAD 785</a>	Legal and Ethical Contexts of Schooling	3 hrs
<a href="#">PHI 613</a>	Bioethics	3 hrs
<a href="#">PSY 761</a>	Ethical and Professional Issues	3 hrs

Each class in the Law/Policy/Ethics Core contributes to the mission by helping students examine necessary professional standards for mediation/conflict professionals in their specific field.

### Electives - 6 hrs

Select 6 hours of electives from the following courses:

Course code	Course Title	Credit Hours
<a href="#">COM 607</a>	Family Communication	3 hrs

<u>COM 617</u>	Communication and Diversity in the Workplace	3 hrs
<u>COM 722</u>	Argumentation as Communication	3 hrs
<u>COM 724</u>	Theories of Interpersonal Communication	3 hrs
<u>COM 732</u>	Theories and Concepts of Small Group Communication <b>OR</b> <u>PSY 778</u> Group Processes	3 hrs
<u>EAD 784</u>	Human Relations and Collaborative Processes	3 hrs
<u>EAD 861</u>	Human Relations	3 hrs
<u>PSY 718</u>	Organizational Psychology <b>OR</b> <u>COM 736</u> Concepts and Analysis of Communication in Organizations	3 hrs
<u>PSY 780</u>	Social Psychology	3 hrs
<u>LAW 631</u>	Labor Law and Employment Discrimination	3 hrs
SWK 641	Family Health and Family Violence	3 hrs

The electives contribute to the mission of the certificate by allowing students to focus on conflict processes that are specific to their professional area. These courses allow a more discipline specific focus than is found in the theory/research core classes.

### Completion requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.



# School of Communication Studies: Department of Media, Journalism and Film

## Programs

✚ Includes accelerated master's option

### Master's programs

[Administrative Studies: Producing and](#)

[Screenwriting Option](#) (MSAS)

### Certificates

[Screenwriting for Television and Film](#)

(Certificate)

## General information

### 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

## Contact

### Department head

Mary Jane Pardue

### Office

Craig Hall, Room 377

### Phone

417-836-5218

### Fax

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.

417-836-4637

**Email**[mjpardue@missouristate.edu](mailto:mjpardue@missouristate.edu)**Website**[mjf.missouristate.edu](http://mjf.missouristate.edu)

# Media, Journalism and Film Graduate Faculty

## Professors

[Mary Jane Pardue](#)

[Mark Paxton](#)

## Associate professors

[Mark M. Biggs](#)

[Andrew R. Cline](#)

[Timothy R. White](#)

## Assistant professors

[Richard Amberg](#)

[Emanuelle Wessels](#)

## Emeritus professors

[Arlen E. Diamond](#)

[Thomas V. Dickson](#)

# Media, Journalism, and Film Courses

## Journalism (JRN) courses

### 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### 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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## Media (MED) courses

### 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.

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 1**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MED 667 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 draft of a short film or the first act of a full-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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

### **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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **MED 704 Theory and Research in Mass Communication**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 1**

**Typically offered:** Spring

[Projected offerings](#)

Survey of theories, models and research in mass communication. Topics include propaganda, attitude change, agenda setting and media effects research.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**



**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Administrative Studies: Producing and Screenwriting Option

## Graduate programs

### Master of Science, Administrative Studies: Producing and Screenwriting Option

The Department of Media, Journalism and Film participates in the Master of Science, Administrative Studies (MSAS) degree. The MSAS 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 [MSAS Program](#) for more information.

### Producing and Screenwriting Option required courses:

Select four courses (12 hours from the following):

Course Code	Course Title	Credit Hours
<a href="#">MED 660</a>	Beginning Screenwriting	3 hrs
<a href="#">MED 667</a>	Screenwriting	3 hrs
<a href="#">MED 668</a>	Writing for Television	3 hrs
<a href="#">MED 669</a>	Rewriting Film and Television Scripts	3 hrs
<a href="#">MED 671</a>	Writing the Web Series	3 hrs

# Screenwriting for Television and Film

## 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 Writing for Television and Film provides a 15-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 15 hours total

Course Code	Course Title	Credit Hours
<a href="#">MED 660</a>	Beginning Screenwriting	3 hrs
<a href="#">MED 667</a>	Screenwriting	3 hrs
<a href="#">MED 668</a>	Writing for Television	3 hrs
<a href="#">MED 669</a>	Rewriting Film and TV Scripts	3 hrs
<a href="#">MED 672</a>	Advanced Screenwriting	3 hrs

#### Completion Requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.

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<u>MED</u> <u>672</u>	Advanced Screenwriting	3 hrs
<u>MED</u> <u>762</u>	TV/Film Producing and Marketing	3 hrs
<u>MED</u> <u>792</u>	Independent Study (with permission of Director & Coordinator)	3 hrs

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# Department of English

## Programs

✚ Includes accelerated master's option

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## 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

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## Certificates

[Ozarks Studies \(Certificate\)](#)

[Teaching English to Speakers of Other Languages \(Certificate\)](#)

## Mission statement

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.

## Contact

### Department head

W. D. Blackmon

### Office

Siceluff Hall, Room 215

### Phone

417-836-5107

**Fax**

417-836-4226

**Email**

[English@MissouriState.edu](mailto:English@MissouriState.edu)

**Website**

[www.missouristate.edu/English](http://www.missouristate.edu/English)

# English Graduate Faculty

## Distinguished professors

[James S. Baumlin](#)

[Joel D. Chaston](#)

## Professors

[W. D. Blackmon](#)

[Lanette Cadle](#)

[Marcus Cafagna](#)

[Keri Franklin](#)

[Judith A. John](#)

[Etta M. Madden](#)

[Linda Trinh Moser](#)

[Yili Shi](#)

[Margaret E. Weaver](#)

[Shannon R. Wooden](#)

## Associate professors

[Matthew Calihman](#)

[Lyn F. Gattis](#)

[Rachel Gholson](#)

[Kenneth M. Gillam](#)

[Marianthe Karanikas](#)

[Michael Czyzniejewski](#)

[Catherine English](#)

[Danielle Lillge](#)

## Senior instructors

[Sara Burge](#)

[Jennifer Murvin](#)

[Michael A. Stowe](#)

[John R. Turner](#)

## Emeritus professors

[Mary F. Baumlin](#)

[Robert D. Beckett](#)

[Christina M. Biava](#)

[Phyllis Bixler](#)

[Clark J. Closser](#)

[Carter M. Cramer](#)

[Michael Ellis](#)

[Donald R. Holliday](#)

[Richard Neumann](#)

[Mark Trevor Smith](#)

[Jean Stringam](#)



Lanya Lamouria

Kristene S. Sutliff

Myron L. Taylor

## **Assistant professors**

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### ENG 605 Methods in Teaching English to Speakers of Other Languages (TESOL)

Contemporary approaches to teaching grammar,

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### ENG 687 History of Literary Criticism

A survey of the theories of literary critics, such as Sidney, Pope, Coleridge, Eliot, Brooks, Barthes, Eagleton, Kristeva, and Derrida. May be taught concurrently with ENG 585. Cannot receive credit for both ENG 585 and ENG 687.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

credit for both ENG 590 and ENG 690.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

Projected offerings

**Typically offered:** Upon demand

Projected offerings

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

Projected offerings

**ENG 616 Mark Twain**

Twain's life and work (selected novels, short pieces, travelogues, autobiography, and criticism) studied as pivotal between an old and new America. May be taught concurrently with ENG 516. Cannot receive credit for both ENG 516 and ENG 616.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

Projected offerings

**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.

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

Projected offerings

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

Projected offerings

**ENG 697 Practicum in Teaching English to Speakers of Other Languages (TESOL)**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ENG 623 Writing Center Theory and Practice**

Collaborative workshop designed to prepare

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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **ENG 700 Introduction to Research Methods in English**

Provides an introduction to research methods and writing within the broadly defined discipline of

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

[Projected offerings](#)**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**ENG 633 Studies in Children's Literature**

A study of significant themes (such as gender, ethnicity, or childhood) or genres (such as

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: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer, Spring (odd-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ENG 710 Seminar: Fiction**

Significant genres, authors, and developments in

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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.

prose fiction. May be repeated to a total of 9 hours if topic is different.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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

Cannot receive credit for both ENG 544 and ENG 642.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **ENG 646 Victorian Literature**

undergraduates.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **ENG 722 Literacy Theory and Composition**

An introduction to literacy theory and its application to the teaching of composition.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

**Typically offered:** Spring, Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **ENG 732 Seminar: Issues and Trends in English Education**

Study of some aspects of English Education not ordinarily in the curriculum. Students read,

taught concurrently with ENG 551. Cannot receive credit for both ENG 651 and ENG 551.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ENG 659 Modern American Literature**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ENG 748 Seminar: English Literature After**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 literacy 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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ENG 771 Professional Writing**

Theory and practice of writing and analyzing documents in business, science, and industry.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Lab contact hours:****Typically offered:** Fall, Spring, Summer[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall, Spring[Projected offerings](#)**ENG 775 Designing Technical Documents**

Producing, analyzing, and adapting technical documents to meet the needs of diverse clients. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**ENG 777 Scientific and Technical Editing**

Current practices in editing and electronic publishing. 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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)



**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**ENG 682 Gender Issues in Language and Literature**

Consideration of gender issues from the

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**ENG 781 Rhetorical Criticism**

Study of rhetorical and metalinguistic approaches to analyzing literature, with applications of theory to particular works.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **ENG 792 Linguistics in Rhetoric and Composition**

Applications of linguistic models to rhetorical theory and/or the teaching of composition.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**ENG 799 Thesis**

*Prerequisite: permission of the Director of Graduate Studies in English.*

Independent research and study connected with preparation of thesis.

**Credit hours: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

# Applied Second Language Acquisition

## Graduate programs

### Master of Applied Second Language Acquisition

#### Jason Jolley, Program Director

Siceluff Hall, Room 223

Phone 417-836-5122

[jasonjolley@missouristate.edu](mailto:jasonjolley@missouristate.edu)

#### Program description

The Master of Applied Second Language Acquisition (MASLA) is a flexible degree program offered jointly by the Department of Modern and Classical Languages and the Department of English. The program 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 TESL, 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 coursework 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 coursework;
3. Provide Graduate Record Examination (GRE) general scores (verbal, quantitative, and analytical sections);
4. Submit a completed Missouri State University Application for Graduate Admission;
5. Candidates wishing to pursue the TESOL track must submit the following to the English Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in TESOL);
- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- d. A writing sample (a 10-12 page academic paper written in English).

6. Candidates wishing to pursue the French track must submit the following to the Modern and Classical Languages Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in French);
- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- d. Evidence of written proficiency in French consistent with the ACTFL Advanced Level (an official ACTFL Writing Proficiency Test score dates within the past three years or a 5-10 page academic paper written in French);
- e. An official ACTFL Oral Proficiency Interview score of at least Advanced Low dates within the past three years.

7. Candidates wishing to pursue the Spanish track must submit the following to the Modern and Classical Languages Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in Spanish);

- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
  
- d. Evidence of written proficiency in Spanish consistent with the ACTFL Advanced Level (an official ACTFL Writing Proficiency Test score dates within the past three years or a 5-10 page academic paper written in Spanish);
  
- e. An official ACTFL Oral Proficiency Interview score of at least Advanced Low dates within the past three years.

Applicants will be notified once their application is complete. Students who do not meet 2 and 3 above but 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 coursework 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 Coursework**

TESOL track MASLA student may double count toward the MASLA all 15 hours of coursework taken as part of the Graduate Certificate in TESOL. Up to nine hours of coursework 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 a TESOL endorsement to an existing certification should speak with an advisor in the Department of English or in the Department of Modern and Classical Languages. They should also contact the Teacher Certification Office for additional information on certification options for post-baccalaureate students.

### **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 15-hour language tracks, for a total of 30 hours of coursework. The course associated with the research requirement brings the total hours for the program to 33.

## Second Language Acquisition Core

All candidates must complete the following 18-hour core:

Course Code	Course Title	Credit Hours
<a href="#"><u>ENG 691</u></a>	Linguistics Theory	3 hrs
<a href="#"><u>ENG 695</u></a>	Principles of Second Language Acquisition	3 hrs
<a href="#"><u>ENG 700</u></a> OR <a href="#"><u>MCL 710</u></a> *	Introduction to Research Methods in English OR Research Methods in Second Language Acquisition	3 hrs
<a href="#"><u>ENG 696</u></a> OR <a href="#"><u>MCL 696</u></a> *	Materials and Assessment in TESOL OR Materials and Assessment in Foreign Language Teaching	3 hrs
<a href="#"><u>ENG 605</u></a> OR <a href="#"><u>MCL 700</u></a> *	Methods in TESOL OR Advanced Teaching Methods and Technology	3 hrs
<a href="#"><u>MCL 798</u></a>	Degree Papers	3 hrs

\*Candidates pursuing the TESOL track are encouraged to enroll in the ENG classes to fulfill requirements 3-5, whereas those pursuing tracks in French or Spanish should enroll in the MCL classes. However, with advisor approval, candidates may take either ENG or MCL classes to fulfill requirements 3-5, regardless of track.

## Language Track

All candidates must complete one of the following 15-hours language tracks:

### A. Teaching English to Speakers of Other Languages (TESOL)

Course Code	Course Title	Credit Hours
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Complete the following 9 hours:

<a href="#"><u>ENG 688</u></a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#"><u>ENG 690</u></a>	Grammatical Analysis	3 hrs
<a href="#"><u>ENG 793</u></a>	Seminar in Linguistics	3 hrs

Complete 6 hours in electives from the following:

<a href="#"><u>ENG 793</u></a>	Seminar in Linguistics (if topic is different from ENG 793 above)	3 hrs
<a href="#"><u>ENG 792</u></a>	Linguistics in Rhetoric and Composition	3 hrs
<a href="#"><u>ENG 689</u></a>	Studies in Linguistics	3 hrs
700-level ENG course	700-level English course in literature, composition, or rhetoric (approved by advisor)	3 hrs

## B. French

Course Code	Course Title	Credit Hours
Complete the following 9 hours:		
<a href="#"><u>MCL 724</u></a>	Seminar in Linguistics for Foreign Languages	3 hrs
<a href="#"><u>FRN 725</u></a>	Seminar in Francophone Literature and Culture	3 hrs
<a href="#"><u>FRN 735</u></a>	Advanced French Proficiency	3 hrs
Complete 6 hours in electives from the following:		
<a href="#"><u>ENG 688</u></a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#"><u>MCL 650</u></a>	Advanced Study Abroad	3-6 hrs



<a href="#">MCL 697</a>	Topics for Teachers of Foreign Languages	1-6 hrs
<a href="#">MCL 701</a>	Applied Foreign Language Practicum	1-3 hrs
<a href="#">RDG 660</a>	Diversity Issues in Literacy and Content Area Instruction	2 hrs

### C. Spanish

Course Code	Course Title	Credit Hours
Complete the following 9 hours:		
<a href="#">MCL 724</a>	Seminar in Linguistics for Foreign Languages	3 hrs
<a href="#">SPN 725</a>	Seminar in Hispanic Literature and Culture	3 hrs
<a href="#">SPN 735</a>	Advanced Spanish Proficiency	3 hrs
Complete 6 hours in electives from the following:		
<a href="#">ENG 688</a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#">LLT 696</a>	Hispanic Literature in Translation	3 hrs
<a href="#">MCL 650</a>	Advanced Study Abroad	3-6 hrs
<a href="#">MCL 697</a>	Topics for Teachers of Foreign Languages	1-6 hrs
<a href="#">MCL 701</a>	Applied Foreign Language Practicum	1-3 hrs
<a href="#">RDG 660</a>	Diversity Issues in Literacy and Content Area Instruction	2 hrs
<a href="#">SPN 610</a>	Advanced Translation	

### Research Requirement

Candidates must enroll in three hours of [MCL 798](#) and complete two degree papers. Under the

supervision of a faculty advisor, candidates will revise and expand two papers or other projects previously submitted in conjunction with two different courses in the program. Candidates can enroll in MCL 798 only upon completion of 18 hours of MASLA coursework.

### **Examination Requirement**

During the last semester of coursework or later, all candidates will take two written examinations, one focused on issues related to second language acquisition theory and practices and another relating to their chosen language track.

### **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. As noted in the Admission Requirements section above, French and Spanish track candidates must demonstrate speaking and writing proficiency consistent with the Advanced level on the ACTFL scale. If such proficiency is not clearly evidenced, additional proficiency assessments may be administered at the discretion of program faculty.

# English

## Graduate programs

### Master of Arts, English

**Matthew Calihman, Graduate Director**

Siceluff Hall, Room 305

05, Phone 836-4266

[MatthewCalihman@missouristate.edu](mailto:MatthewCalihman@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: 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. Graduate Record Examination General scores (verbal, quantitative, analytical);
4. A completed Missouri State University Application for Graduate Admission; and
5. The following materials must be received in the English Department:

- 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 writing sample (a 10-15 page critical paper in English or portfolio of writing samples);
- Graduate Assistantship Application if the prospective student would like to be considered for this award.

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 make up deficiencies (including weaknesses in writing) or they may have other requirements stipulated.

\*For students interested in the TESOL track, course work in language and linguistics will be considered in lieu of literature courses).

### **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](#))
- 3 hours - Seminar ([ENG 710](#), [711](#), [712](#), [720](#), [721](#), [725](#), [735](#), [744](#), [748](#), [757](#), [758](#), [780](#), [785](#), [786](#), [793](#))
- 6 hours - Theory Component ([ENG 627](#), [628](#), [687](#), [688](#), [689](#), [690](#), [691](#), [695](#), [720](#), [721](#), [725](#), [781](#), [785](#), [786](#), [792](#), [793](#))
- **18 hours - Total**

### **Additional degree requirements (minimum of 14 hours)**

1. **Track Options & Requirements.** The different tracks described below outline a minimum of 14 additional hours of graduate-level course work. Students should choose electives with an awareness that at least half the credit hours applied toward the 32-hour minimum must be in courses numbered 700 or above. The student must choose a program track before filing a

## Program of Study.

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 de above. Any M.A., English student whose native language is not English will be considered to have met the language requirement.

3. **Research Requirement.** The MA English research requirement varies by track:

- a Literature Track student satisfies the requirement by submitting either a thesis or a degree paper.
- a TESOL Track student satisfies the requirement by submitting a degree paper.
- a Creative Writing Track student typically satisfies the requirement by submitting a thesis. (To satisfy the requirement by instead submitting a degree paper, a Creative Writing Track student must obtain written approval from the Creative Writing Track Coordinator.)

*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 32 hours required for the degree

*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

### **Literature track**

In addition to the core and degree requirements listed above, students choosing the graduate track in literature must complete the following courses:

- 8-9 Hours - Electives in literature, linguistics, theory, writing
- 6 Hours - [ENG 799](#) Thesis (or alternative 700-level course work and two degree papers)

### **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](#). 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 696](#)
  - [ENG 792](#)
  - 1 from [ENG 605](#) or [ENG 690](#) or [ENG 689](#)
- 6 Hours - [ENG 799](#) Thesis (or alternative 700-level course work and two degree papers)

For detailed descriptions of the TESOL program and the Missouri State TESOL certification requirements, see "Opportunities in TESOL" later under the Department of English information. Students may also consult with the Coordinator of the TESOL program, Dr. Christina Biava.

# Secondary Education: English Area of Emphasis

## Graduate programs

### **Master of Science in Education, Secondary Education: English Area of Emphasis**

Contact area of emphasis advisor Danielle Lillge.

See program requirements for the [MSEd, Secondary Education](#).

### **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 MSEd, 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 - MSEd., 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: [ENG 613](#) (3 hrs); [ENG 631](#) (3 hrs); [ENG 629](#) (3 hrs); [ENG 636](#) (3 hrs); [ENG 665](#) (3 hrs); [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.

# Writing

## Graduate programs

### Master of Arts, Writing

**Matthew Calihman, Graduate Director**

Siceluff Hall, Room 305

Phone 836-4266

[MatthewCalihman@missouristate.edu](mailto:MatthewCalihman@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. Graduate Record Examination (General test) scores, quantitative, analytical);
4. A completed Missouri State University Application for Graduate Admission; and

# Ozark Studies

## Graduate programs

### Certificate in Ozarks Studies

#### Brooks Blevins, Certificate Advisor

Strong Hall, Room 435; Phone 417-836-5914

[BRBlevins@MissouriState.edu](mailto:BRBlevins@MissouriState.edu)

#### Program description

The interdisciplinary certificate in Ozarks Studies provides a 15-hour graduate-level experience in the diverse social, environmental, and cultural features of the Ozarks region. The certificate is designed to meet the needs of individuals who wish to advance their careers or to continue a life of learning about the region.

#### Admission criteria

A student must be admitted to the Graduate College and have all course work approved by the Program Director.

#### Required courses (15 hours total)

Note: All courses taken for the Certificate in Ozarks Studies require work focusing on the Ozarks.

Course Code	Course Title	Credit Hours
<a href="#">HST 796</a>	Readings in History	1-3 hrs
<a href="#">GRY 697</a>	Special Topics in Geography	1-5 hrs
<a href="#">ENG 683</a>	Themes in Folkloristics	3 hrs

Plus a minimum of 3 hours taken from:

Course Code	Course Title	Credit
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		<b>Hours</b>
<a href="#"><u>GRY 696</u></a>	Topical Issues in Education	1-5 hrs
<a href="#"><u>GRY 610</u></a>	Applications in Sustainability Geotourism	3 hrs
<a href="#"><u>PLN 674</u></a>	Open Space Planning	3 hrs

Plus a minimum of 3 hours taken from:

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>ANT 795</u></a>	Directed Readings in Anthropology	1-3 hrs
<a href="#"><u>SOC 697</u></a>	Directed Readings in Sociology	1-3 hrs

### **Completion requirements**

During the semester preceding completion of the certificate, student must submit for review a portfolio containing 2 (two) copies of all Ozarks focused assignments completed for the certificate. Portfolios will be given a “pass,” “request for further information”, or “fail” by the Ozarks Studies Committee. Courses must be completed with a 3.00 GPA.

5. The following materials must be received in the English Department:
- 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.

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](#) Scientific and Technical 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)



# Teaching English to Speaker (TESOL)

## Graduate programs

### Graduate Certificate in Teaching English to Speakers of Other Languages (TESOL)

**Andrea Hellman, 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 theoretical linguistics as well as in pedagogical concerns. (The certificate is not to be confused with the Missouri teaching certificate in TESOL, K-12. For information about that program, see the TESOL Certification Option below or contact the certificate advisor).

#### 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 apply and be admitted to the Graduate College; 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
<a href="#">ENG 691*</a>	Linguistic Theory	3 hrs
<a href="#">ENG 688</a>	Sociolinguistics for Language Teaching	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.

2 courses from:

Course Code	Course Title	Credit Hours
<u>ENG 605</u>	Methods in Teaching English to Speakers of Other Languages (TESOL)	3 hrs
<u>ENG 690</u>	Grammatical Analysis	3 hrs
<u>ENG 696</u>	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.

### Opportunities in TESOL

Specialists in TESOL (Teaching English to Speakers of Other Languages) teach English (speaking, listening, reading, writing) to people who do not speak English as their first language. They may teach children of immigrants or refugees or non-permanent residents, or children who speak different

languages (such as Spanish, Vietnamese, Navaho) at home or in the community. They may also teach adults in universities, community colleges, or various literacy programs. Some may teach overseas in schools, businesses, or other settings such as the Peace Corps. A TESOL specialist has an interest in foreign languages, in language structure, in teaching, and in working with people from other cultures.

Graduate students in English may emphasize TESOL course work in their MA program without necessarily seeking certification; some may seek Missouri state K-12 TESOL certification as described below.

## TESOL certification option

A student can be certified in TESOL by meeting the following requirements:

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): [RDG 474](#) or [RDG 710](#); and [SPE 310](#), [SPE 340](#) or [SPE 710](#);
4. Completing the TESOL certification 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.

## Certification requirements (21 hours)

Course Code	Course Title	Credit Hours
<a href="#">ENG 691</a>	Linguistic Theory	3 hrs
<a href="#">ENG 688</a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#">ENG 695</a>	Principles of Second Language Acquisition	3 hrs
<a href="#">ENG 696</a>	Materials and Assessment in Teaching English to Speakers of Other Languages (TESOL)	3 hrs
<a href="#">ENG 605</a>	Methods in Teaching English to Speakers of Other Languages (TESOL)	3 hrs

<u>ENG</u> <u>697</u>	Practicum in Teaching English to Speakers of Other Languages (TESOL)	3 hrs
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	Electives in English, education, or other cognate areas	3 hrs
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NOTE: Students must earn a "C" or higher in all courses counting toward state certification.

# Department of Modern and Classical Languages

## Programs

✚ Includes accelerated master's option

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

## General Information

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [French](#) (FRN) courses
- [German](#) (GRM) courses
- [Greek](#) (GRK) courses
- [Language and Literature](#) (LLT) courses
- [Latin](#) (LTM) courses
- [Modern and Classical Languages](#) (MCL) courses
- [Spanish](#) (SPN) courses

## Contact

### Department head

Jason Jolley

### Office

Siceluff Hall, Room 223

### Phone

417-836-5122

### Fax

417-836-7626

### Email

[jasonjolley@missouristate.edu](mailto:jasonjolley@missouristate.edu)

### Website

[www.missouristate.edu/mcl](http://www.missouristate.edu/mcl)

# Modern and Classical Languages Graduate Faculty

## Professors

Edwin Carawan

Joseph J. Hughes

Judith E. Martin

## Associate professor

Pedro Koo

Jason R. Jolley

## Assistant professor

Vanessa Rodriguez De La Vega

Tonia Tinsley

## Emeritus professor

Mary C. Harges

# Modern and Classical Languages Courses

## French (FRN) courses

### 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### FRN 735 Advanced French Proficiency

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

**Credit hours:** 3-12 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## German (GRM) courses

## Greek (GRK) courses

### GRK 603 Advanced Greek Translation

Advanced training in the skills of translating and explicating texts in classical and koine Greek. May be repeated to 9 hours if topic varies. Variable content course. May be taught concurrently with GRK 503. Cannot receive credit for both GRK 503 and GRK 603.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

## Language and Literature (LLT) courses

**LLT 645 Seminar in Roman Culture**

Selected topics in Roman culture or daily life such as Roman law, rhetoric, religion, historiography, family life, politics, etc. May be repeated once with changed content. Variable content course. May be taught concurrently with LLT 545. Cannot receive credit for both LLT 545 and LLT 645.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**LLT 695 Special Topics in Classics**

Selected topics in Classical Studies such as topography of Rome and Athens, Advanced Mythology, genre studies. May be repeated up to 6 hours with changed content. Variable content course. May be taught concurrently with LLT 595. Cannot receive credit for both LLT 595 and LLT 695.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**LLT 696 Seminar in Hispanic Literature in Translation**

Designed to acquaint the student with major authors and works in Hispanic literature offered in English translation. Topics may include special themes, historical and political developments, and cultural aspects of the works. Variable content course. May be repeated once with changed content. May be taught concurrently with LLT 596. Cannot receive credit for both LLT 596 and LLT 696.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Latin (LTN) courses****LTN 625 Seminar in Latin Literature**

**Credit hours: 3 Lecture contact hours: 3**



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.

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

## 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:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)

### 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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Projected offerings****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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

**MCL 696 Materials and Assessment in Foreign Language Teaching**

Practical and theoretical perspectives in specific areas in foreign language teaching and learning, including speaking, grammar, composition, and critical reading. Consideration of materials design and student assessment with an emphasis on

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

literacy and proficiency development.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

## **Spanish (SPN) courses**

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**SPN 735 Advanced Spanish Proficiency**

After an assessment of global language proficiency, students receive personalized guidance and selected periodic assessments to help them to strengthen their interpretive, interpersonal, and presentational skills in the target language. This course designation may also be used to grant credit for prior learning on the basis of established proficiency assessments.

**Credit hours: 3-12 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Applied Second Language Acquisition

## Graduate programs

### Master of Applied Second Language Acquisition

#### Jason Jolley, Program Director

Siceluff Hall, Room 223

Phone 417-836-5122

[jasonjolley@missouristate.edu](mailto:jasonjolley@missouristate.edu)

#### Program description

The Master of Applied Second Language Acquisition (MASLA) is a flexible degree program offered jointly by the Department of Modern and Classical Languages and the Department of English. The program 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 TESL, 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 coursework 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 coursework;
3. Provide Graduate Record Examination (GRE) general scores (verbal, quantitative, and analytical sections);
4. Submit a completed Missouri State University Application for Graduate Admission;
5. Candidates wishing to pursue the TESOL track must submit the following to the English Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in TESOL);
- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- d. A writing sample (a 10-12 page academic paper written in English).

6. Candidates wishing to pursue the French track must submit the following to the Modern and Classical Languages Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in French);
- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- d. Evidence of written proficiency in French consistent with the ACTFL Advanced Level (an official ACTFL Writing Proficiency Test score dates within the past three years or a 5-10 page academic paper written in French);
- e. An official ACTFL Oral Proficiency Interview score of at least Advanced Low dates within the past three years.

7. Candidates wishing to pursue the Spanish track must submit the following to the Modern and Classical Languages Department:

- a. Submit a Graduate Assistantship Application if the prospective student would like to be considered for this award;
- b. A person statement (a 200- to 250-word description of the reasons and goals behind the applicant's interest in graduate studies in Spanish);

- c. At least two letters of recommendation from individuals able to speak of the applicant's academic achievements and potential;
- d. Evidence of written proficiency in Spanish consistent with the ACTFL Advanced Level (an official ACTFL Writing Proficiency Test score dates within the past three years or a 5-10 page academic paper written in Spanish);
- e. An official ACTFL Oral Proficiency Interview score of at least Advanced Low dates within the past three years.

Applicants will be notified once their application is complete. Students who do not meet 2 and 3 above but 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 coursework 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 Coursework**

TESOL track MASLA student may double count toward the MASLA all 15 hours of coursework taken as part of the Graduate Certificate in TESOL. Up to nine hours of coursework 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 a TESOL endorsement to an existing certification should speak with an advisor in the Department of English or in the Department of Modern and Classical Languages. They should also contact the Teacher Certification Office for additional information on certification options for post-baccalaureate students.

### **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 15-hour language tracks, for a total of 30 hours of coursework. The course associated with the research requirement brings the total hours for the program to 33.

## Second Language Acquisition Core

All candidates must complete the following 18-hour core:

Course Code	Course Title	Credit Hours
<a href="#"><u>ENG 691</u></a>	Linguistics Theory	3 hrs
<a href="#"><u>ENG 695</u></a>	Principles of Second Language Acquisition	3 hrs
<a href="#"><u>ENG 700</u></a> OR <a href="#"><u>MCL 710</u></a> *	Introduction to Research Methods in English OR Research Methods in Second Language Acquisition	3 hrs
<a href="#"><u>ENG 696</u></a> OR <a href="#"><u>MCL 696</u></a> *	Materials and Assessment in TESOL OR Materials and Assessment in Foreign Language Teaching	3 hrs
<a href="#"><u>ENG 605</u></a> OR <a href="#"><u>MCL 700</u></a> *	Methods in TESOL OR Advanced Teaching Methods and Technology	3 hrs
<a href="#"><u>MCL 798</u></a>	Degree Papers	3 hrs

\*Candidates pursuing the TESOL track are encouraged to enroll in the ENG classes to fulfill requirements 3-5, whereas those pursuing tracks in French or Spanish should enroll in the MCL classes. However, with advisor approval, candidates may take either ENG or MCL classes to fulfill requirements 3-5, regardless of track.

## Language Track

All candidates must complete one of the following 15-hours language tracks:

### A. Teaching English to Speakers of Other Languages (TESOL)

Course Code	Course Title	Credit Hours
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Complete the following 9 hours:

<a href="#"><u>ENG 688</u></a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#"><u>ENG 690</u></a>	Grammatical Analysis	3 hrs
<a href="#"><u>ENG 793</u></a>	Seminar in Linguistics	3 hrs

Complete 6 hours in electives from the following:

<a href="#"><u>ENG 793</u></a>	Seminar in Linguistics (if topic is different from ENG 793 above)	3 hrs
<a href="#"><u>ENG 792</u></a>	Linguistics in Rhetoric and Composition	3 hrs
<a href="#"><u>ENG 689</u></a>	Studies in Linguistics	3 hrs
700-level ENG course	700-level English course in literature, composition, or rhetoric (approved by advisor)	3 hrs

## B. French

Course Code	Course Title	Credit Hours
Complete the following 9 hours:		
<a href="#"><u>MCL 724</u></a>	Seminar in Linguistics for Foreign Languages	3 hrs
<a href="#"><u>FRN 725</u></a>	Seminar in Francophone Literature and Culture	3 hrs
<a href="#"><u>FRN 735</u></a>	Advanced French Proficiency	3 hrs
Complete 6 hours in electives from the following:		
<a href="#"><u>ENG 688</u></a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#"><u>MCL 650</u></a>	Advanced Study Abroad	3-6 hrs

<a href="#">MCL 697</a>	Topics for Teachers of Foreign Languages	1-6 hrs
<a href="#">MCL 701</a>	Applied Foreign Language Practicum	1-3 hrs
<a href="#">RDG 660</a>	Diversity Issues in Literacy and Content Area Instruction	2 hrs

### C. Spanish

Course Code	Course Title	Credit Hours
Complete the following 9 hours:		
<a href="#">MCL 724</a>	Seminar in Linguistics for Foreign Languages	3 hrs
<a href="#">SPN 725</a>	Seminar in Hispanic Literature and Culture	3 hrs
<a href="#">SPN 735</a>	Advanced Spanish Proficiency	3 hrs
Complete 6 hours in electives from the following:		
<a href="#">ENG 688</a>	Sociolinguistics for Language Teaching	3 hrs
<a href="#">LLT 696</a>	Hispanic Literature in Translation	3 hrs
<a href="#">MCL 650</a>	Advanced Study Abroad	3-6 hrs
<a href="#">MCL 697</a>	Topics for Teachers of Foreign Languages	1-6 hrs
<a href="#">MCL 701</a>	Applied Foreign Language Practicum	1-3 hrs
<a href="#">RDG 660</a>	Diversity Issues in Literacy and Content Area Instruction	2 hrs
<a href="#">SPN 610</a>	Advanced Translation	

### Research Requirement

Candidates must enroll in three hours of [MCL 798](#) and complete two degree papers. Under the

supervision of a faculty advisor, candidates will revise and expand two papers or other projects previously submitted in conjunction with two different courses in the program. Candidates can enroll in MCL 798 only upon completion of 18 hours of MASLA coursework.

### **Examination Requirement**

During the last semester of coursework or later, all candidates will take two written examinations, one focused on issues related to second language acquisition theory and practices and another relating to their chosen language track.

### **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. As noted in the Admission Requirements section above, French and Spanish track candidates must demonstrate speaking and writing proficiency consistent with the Advanced level on the ACTFL scale. If such proficiency is not clearly evidenced, additional proficiency assessments may be administered at the discretion of program faculty.

# Department of Music

## Programs

✚ Includes accelerated master's option

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## Master's programs

Music (MM)

## 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)
- Council for the Accreditation of Educator Preparation – Music Education (BME), and Secondary Education/Music (MSEd)

## Contact

### Department head

Julie Combs

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### Email

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### Website

[missouristate.edu/music/](http://missouristate.edu/music/)

# Music Graduate Faculty

## Professors

[Lisa Casey](#)

[Jeremy A. Chesman](#)

[Peter F. Collins](#)

[Julia C. Combs](#)

[Randall Hamm](#)

[David R. Hays](#)

[Jill Heyboer](#)

[Cynthia Green Libby](#)

[Amy F. Muchnick](#)

[Michael A. Murray](#)

[Michael F. Murray](#)

[James Parsons](#)

[Richard Todd Payne](#)

[Grant S. Peters](#)

[John S. Prescott](#)

[Allison M. Storochuk](#)

[Wei-Han Su](#)

[Chris Thompson](#)

## Associate professors

[James S. Cameron](#)

[Daniel Hellman](#)

[Hye-Jung Hong](#)

[Paula Patterson](#)

## Assistant professors

[Carol Chapman](#)

[Ann Marie Wilcox-Daehn](#)

[Andrew Homburg](#)

[Christopher Kelts](#)

[Cameron LaBarr](#)

## Per course instructor

[Laurine Grace St Pierre](#)

## Emeritus professors

[Michael R. Casey](#)

[Wynne Harrell](#)

[Mollie R. Molnar](#)

[Rose Mary Owens](#)

[Belva W. Prather](#)

# 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall (even-numbered years)

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 701 Music Education Curriculum**

An examination of trends in elementary, middle,

**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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

[Projected offerings](#)

**MUS 612 Electronic Music**

*Prerequisite: permission of instructor.*

Exploration of theories and techniques of sound synthesis, sequencing, and digital audio through composition. Variable content course. May be repeated to a total of 6 hours when topic varies. May be taught concurrently with MUS 512. Cannot receive credit for both MUS 512 and MUS 612.

**Credit hours:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

**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.

and secondary music education; evaluation of selected materials and techniques; and special projects in planning for change in music education curriculum.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**MUS 702 Elementary Music Education**

Study of problems in planning a music program to encourage children's aesthetic enjoyment of music; teaching principles and methods for guided learning through creative discovery; use of instructional media for providing such experiences.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**MUS 708 Contemporary Music Education**



**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2-4 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 2-4 Lecture contact hours:**

**Lab contact hours:**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 2-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

[Projected offerings](#)

### **MUS 725 History and Philosophy of Music Education**

History of educational philosophies and objectives.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

individual student. May be repeated. May be taught concurrently with MUS 521. Cannot receive credit for both MUS 521 and MUS 621.

**Credit hours:** 2-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Spring, Summer

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Fall

[Projected offerings](#)

### **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.

**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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**MUS 630 Vocal Pedagogy and Materials**

Understanding the basic principles of voice

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Spring

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**MUS 746 Seminar: Symphonic Literature**

A survey of the repertoire for orchestras of varying

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

### **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: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 651 Piano**

*Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours: 1-2 Lecture contact hours:**

sizes and ability levels. May be repeated for credit for a total of 6 hours when topic varies. Variable content course.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MUS 747 Seminar: Wind Literature**

A survey of the repertoire for wind groups of various sizes and ability levels. May be repeated to a total of 6 hours when topic varies. Variable content course.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 total of 6 hours when topic varies.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MUS 749 String (Instrument)**

*Prerequisite: permission of instructor.*

**Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 652 Organ***Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 653 Voice***Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 655 Woodwind***Prerequisite: permission of instructor.*

Applied instruction in flute, oboe, clarinet, bassoon, and saxophone. May be repeated for credit.

Applied instruction available in violin, viola, violoncello, and bass viola. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 751 Piano***Prerequisite: permission of instructor.*

Applied instruction in piano. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 752 Organ***Prerequisite: permission of instructor.*

Applied instruction in organ. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**MUS 753 Voice**

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 656 Brass**

*Prerequisite: permission of instructor.*

Applied instruction in trumpet, horn, trombone, euphonium and tuba. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 657 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction on percussion instruments. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

*Prerequisite: permission of instructor.*

Applied instruction in voice. May be repeated for credit.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **MUS 660 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

[Projected offerings](#)

### **MUS 757 Percussion**

*Prerequisite: permission of instructor.*

Applied instruction on percussion instruments. May be repeated for credit.

**Credit hours: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 760 Carillon**

*Prerequisite: permission of instructor.*

Applied instruction in carillon. May be repeated for credit.

**Credit hours: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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



**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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**MUS 670 Instrumental Conducting**

A study of conducting techniques and problems in rehearsal and performance. Baton technique and repertoire development. May be taught concurrently with MUS 580. Cannot receive credit

audition.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

for both MUS 580 and MUS 670.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Summer

[Projected offerings](#)

### **MUS 671 Choral Conducting**

A study of conducting techniques and problems in rehearsal and performance. Conducting technique and repertoire development. May be taught concurrently with MUS 581. Cannot receive credit for both MUS 581 and MUS 671.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Summer

[Projected offerings](#)

### **MUS 674 Jazz Ensemble**

A Laboratory course in instrumentation, materials, arranging, and organization of the jazz ensemble. May be repeated for credit.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 675 Band**

The band performs as a marching unit during the football season and as an indoor ensemble throughout the school year. Formal concerts and public performances are given by the ensemble

### **MUS 773 String Orchestra Workshop**

Study and performance of the literature and style of music for string ensembles of all sizes, A conducted group. May be repeated for credit.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 774 Stage Band**

A laboratory course in instrumentation, materials, arranging, and organization of the stage band. May be repeated for credit.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 775 Band**

The band performs as a marching unit during the football season and as an indoor ensemble throughout the school year. Formal concerts and public performances are given by the ensemble each year. Auditions for placement are required. May be repeated for credit.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 776 University Symphony**

each year. Auditions for placement are required.  
May be repeated for credit.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MUS 683 Music of the Renaissance**

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: 1 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MUS 792 Accompanying**

*Prerequisite: permission of instructor.*

Development of skills in accompanying for pianists.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**MUS 798 Graduate Recital**

Fulfills half of the final project requirement for concentrations in performance, pedagogy, and conducting.

**Credit hours: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

# Music

## Graduate programs

### Master of Music

#### John Prescott, Graduate Director

Hammons Hall for the Performing Arts, Room 309

Phone 417-836-5748

[JohnPrescott@missouristate.edu](mailto:JohnPrescott@missouristate.edu)

### 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;
3. audition in a major performance area.

### **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 a with a completed major equivalent to certification by a state agency to teach music (K-12);
2. intensive interview with a faculty member in the music education area;
3. submission of tapes/cassettes and programs of choral and/or instrumental performances OR classroom visit by faculty for the purpose of observing and evaluating the student in his or her teaching situation;
4. audition in a major performance area.

### **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 satisfactorily meet the following conditions:

1. applicants interested in composition must submit at least three compositions to the composition faculty for their approval as a prerequisite for admission;
2. audition in a major performance area.

### **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
<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</u>	Final Project: Public performance and research document	*4 hrs
	<b>Total</b>	<b>13 hrs</b>

\*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
<a href="#">MUS 670</a> , <a href="#">671</a> , <a href="#">780</a>	Conducting	6 hrs
<a href="#">MUS 781</a>	Score Reading and Analysis	3 hrs
<a href="#">MUS 746</a> , <a href="#">747</a> , <a href="#">748</a>	Repertoire Course (Choose Wind, Orchestral, Choral)	3 hrs
<a href="#">MUS 675</a> , <a href="#">678</a> , <a href="#">762</a> , <a href="#">768</a> , <a href="#">775</a> , <a href="#">776</a> , <a href="#">778</a>	Ensembles	2 hrs
	Music Electives (some applied study recommended)	5 hrs
	<b>Total</b>	<b>19 hrs</b>

## Music Education curriculum outline

### Required Core

Course Code	Course Title	Credit Hours
<a href="#">MUS 700</a>	Introduction to Graduate Study in Music	3 hrs
	Advanced Courses in Music Theory and Composition or Music History	6 hrs
<a href="#">MUS 790</a> , <a href="#">799</a>	Final Project: Research Document	4 hrs
	<b>Total</b>	<b>13 hrs</b>

### Music Education Concentration

Course Code	Course Title	Credit Hours
<a href="#">MUS 725</a>	History and Philosophy of Music Education	3 hrs
<a href="#">MUS 707</a>	Psychology of Music	3 hrs
	Music Education Electives (some ensemble and applied recommended)	13 hrs

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**Total** **19 hrs**

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## Pedagogy 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</u>	Final Project: Public performance and research document	4 hrs
	<b>Total</b>	<b>13 hrs</b>

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### 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
	<b>Total</b>	<b>19 hrs</b>

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### 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
	<b>Total</b>	<b>13 hrs</b>

**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
<u>MUS 715</u>	Advanced Composition	9 hrs
	Music Elective	4 hrs
	<b>Total</b>	<b>19 hrs</b>

**Performance curriculum outline****Required Core**

Course Code	Course Title	Credit Hours
<u>MUS 700</u>	Intro to Graduate Study in Music	3 hrs
	Advanced courses in Music Theory and Composition or Music History	6 hrs
<u>MUS 790, 798</u>	Final Project: Public performance and research document	4 hrs
	<b>Total</b>	<b>13 hrs</b>

## Performance Concentration

Course Code	Course Title	Credit Hours
<u>MUS 749, 751, 753, 755, 756, 757, 760</u>	Advanced Applied Music	8 hrs
MUS <u>661, 663, 762, 768, 772, 773, 774, 775, 776, 778, 792, 793</u>	Ensembles	4 hrs
<u>MUS 630, 658</u>	Pedagogy	2 hrs
	Music Electives	5 hrs
	<b>Total</b>	<b>19 hrs</b>

\* Voice majors are expected to be proficient in German, French and Italian diction.

# Department of Theatre and Dance

## Programs

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### Master's programs

Secondary Education:Speech and Theatre Area of Emphasis (MSEd)

## Accreditation

- National Association of Schools of Theatre – Musical Theatre (BFA), Speech and Theatre Education (BSEd), and Theatre (BA, BFA)
- Missouri Department of Elementary and Secondary Education – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)
- Council for the Accreditation of Educator Preparation – Speech and Theatre (BSEd), and Secondary Education/Speech and Theatre (MSEd)

## General information

### Dance

Dance concerts are presented annually as part of the cultural attractions available to the community. A faculty choreographed

## Contact

### Department head

Jeremy Chesman

### Office

Craig Hall, Room 355

### Phone

417-836-4400

### Fax

417-836-4234

### Email

[TheatreandDance@missouristat.edu](mailto:TheatreandDance@missouristat.edu)

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.

**Website**

[theatreanddance.missouristate.edu](http://theatreanddance.missouristate.edu)

## **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 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 Coger 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.

# Theatre and Dance Graduate Faculty

## Professors

[Ruth Barnes](#)

[Kurt G. Heinlein](#)

[Christopher J. Herr](#)

[Robert W. Little](#)

[Carol J. Maples](#)

[Cynthia Winstead](#)

## Associate professors

[Telory Arendell](#)

[Sara J. Brummel](#)

[Mark Putman](#)

## Emeritus professors

Byrne D. Blackwood

Robert H. Bradley

Katherine M. Brown

[Rhythm L. McCarthy](#)

John S. McElhaney



# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### THE 611 Scripting and Performing

Theoretical and practical knowledge in developing

### 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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand  
[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### THE 672 History of Costume and Decor II

Survey of styles of dress, interior design and

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 one and three camera formats including commercials, television comedy, television drama, industrials, film, and developing digital mediums.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **THE 710 Seminar: Performance**

Studies in rhetorical, cultural, social and aesthetic dimensions of performance.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3-9 Lecture contact hours:**

**Lab contact hours:**

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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,

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall (even-numbered years)

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **THE 652 Scene Design II**

Advanced designs of selected plays including floor plans, front elevations, white and finished models and renderings.

**Credit hours:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

### **THE 655 Lighting Design II**

Advanced principles and techniques of lighting for

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:** 3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Secondary Education: Speech and Theatre Area of Emphasis

## Graduate programs

### **Master of Science in Education, Secondary Education: Speech and Theatre Area of Emphasis**

Contact area of emphasis advisor Dr. Christopher Herr.

See program requirements for the [MSEd, Secondary Education](#).

### **Prerequisite Speech and Theatre requirements**

The prerequisites for a speech and theatre emphasis require an undergraduate major in speech and theatre, or a minimum of 15 hours in speech and theatre to demonstrate an adequate background for graduate work.

### **Speech and Theatre requirements**

Speech and theatre courses from both the theatre- interpretation and communication areas to total 15 hours. A minimum of 3 hours of course work must be in speech and theatre courses numbered 700 or above.

# College of Business

## Programs

✚Includes accelerated master's option

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### Master's programs

[Accountancy](#) (MAcc)✚

[Health Administration](#) (MHA)✚

[Business Administration](#) (MBA)✚

[Project Management](#) (MS)✚

[Computer Information Systems](#) (MS)

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

[Cybersecurity](#) (MS)

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### Certificates

[Computer Information Systems](#) (Certificate)

[International Business](#) (Certificate)

[Cybersecurity](#) (Certificate)

[Leadership](#) (Certificate)

[Entrepreneurship](#) (Certificate)

[Management](#) (Certificate)

[Finance](#) (Certificate)

[Marketing](#) (Certificate)

[Financial Analysis](#) (Certificate)

[Project Management](#) (Certificate)

[Forensic Accounting](#) (Certificate)

[Tax Accounting](#) (Certificate)

[Health Administration](#) (Certificate)



## Vision

The College of Business at Missouri State University is one of the leading business schools in the Midwest.

## Mission

The Missouri State University College of Business is committed to effectively developing educated persons in the business disciplines at the undergraduate and master's level to prepare them for successful careers as managers and professionals. We will be accomplish this mission by providing students with a broad understanding of public affairs, and with knowledge, skills and values to succeed and adapt in a global economy. Essential to achieving this mission is providing high quality undergraduate and graduate degree programs delivered through excellent teaching and student engagement, and producing quality intellectual contributions that advance knowledge of business and management theory, practice, and/or learning pedagogy. We also seek to build effective partnerships with global institutions, industry, the public, and our colleagues.

## Shared Values and Guiding Principles

- **We value ethical behavior and integrity.** We believe in consistently practicing honesty, integrity, and professional ethics in all aspects of the work we do. We believe it is important to promote ethical behavior and integrity in our students, faculty, administrators and staff.
- **We value personal interaction with students and a student-centered learning environment.** We believe in providing a high quality, high-touch, personalized educational environment that facilitates learning through students' interactions with faculty, staff and administrators. We believe it is important to instill a commitment to lifelong learning in our students.
- **We value our faculty, staff and administrators.** We believe in nurturing and supporting a collegial environment for faculty, staff and administrators that is supportive of our individual and collective educational efforts. We recognize, support and

## Dean

[Stephanie M. Bryant](#)

## Associate Deans

[Dave B. Meinert](#)

[Elizabeth Rozell](#)

## Office

Glass Hall, Room 400

## Phone

417-836-5646

## Fax

417-836-4407

applaud differing viewpoints and we strive to maintain a decision-making process that considers alternative views before decisions are made. We embrace the university's Long Range Plan sentiment that "What makes Missouri State special is the people."

- **We value diversity of all types.** We believe that diversity and inclusiveness enrich the educational experience for our students, prompt personal growth, strengthen the community and workplace, and promote cultural competence.
- **We value scholarship and the production of intellectual contributions that contribute knowledge and understanding to the broader business and academic communities.** We believe our scholarship should be directed at discovery of new ideas and applying knowledge to support improvement in business, community well-being and educational processes.
- **We value our community and our region.** We believe in developing programs that support our community and region. As the largest College of Business in the region and as a state-supported institution, we strive to provide organizations with serious, well-prepared students and to make available various support functions to help businesses to be more successful in their dynamic environments.
- **We value continuous improvement.** We believe in individual and collective efforts that support the College mission; we will strive for continuous improvement. By committing to continuous improvement over time, we will take areas that need attention and ultimately make them strengths, and take existing strengths and further increase the College's points of differential advantage.

# Business Administration

## Graduate programs

### Master of Business Administration

**Director: Elizabeth Rozell**

Glass Hall, Room 223, Phone: 417-836-5616

Email: [mbaprogram@missouristate.edu](mailto:mbaprogram@missouristate.edu)

Website: <http://mba.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 ([view admission requirements](#))

\*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\*\*:

- 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 visit <http://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). Visit <http://international.missouristate.edu/services/70308.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>.

## 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
<a href="#"><u>ACC 600</u></a>	Accounting Concepts for Managers	3 hrs
<a href="#"><u>ECO 600</u></a>	Fundamentals of Economics	3 hrs
<a href="#"><u>FIN 600</u></a>	Managerial Finance	3 hrs
<a href="#"><u>MGT 600</u></a>	Administrative, Organizational, and Operations Concepts for	3 hrs

## Managers

<u>QBA 600</u>	Statistical Methods in Business Research	3 hrs
<u>LAW 600</u>	Legal Environment for Business Managers	3 hrs
<b>Total</b>		<b>18 hrs</b>

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
<b>Total</b>	<b>33 hours</b>

### 1. Core requirements - 24 hours

Course Code	Course Title	Credit Hours
<u>*ACC 711</u>	Managerial Accounting**	3 hrs
<u>*CIS 761</u>	Management Information Systems	3 hrs
<u>*FIN 780</u>	Advanced Financial Management	3 hrs
<u>*MGT 764</u>	Organizational Behavior	3 hrs

<u>MGT 767</u>	Organization Strategy and Policy	3 hrs
<u>*MKT 772</u>	Marketing Management	3 hrs
<u>*QBA 775</u>	Quantitative Methods in Business Decision Making	3 hrs
	Select one course from <u>FIN 682</u> ***, <u>MGT 747</u> ***, <u>MKT 774</u> , or <u>FIN 686</u>	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 CIS 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 Entrepreneurship
- Graduate Certificate in Finance
- Graduate Certificate in Financial Analysis
- Graduate Certificate in International Business
- Graduate Certificate in Leadership
- Graduate Certificate in Management



## Graduate Certificate in Marketing

\*\* 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.

# School of Accountancy

## Programs

✚Includes accelerated master's option

## Master's programs

[Accountancy](#) (MAcc)✚

[Business Administration](#) (MBA)✚Administered by the College of Business

## Certificates

[Forensic Accounting](#) (Certificate)

[Tax Accounting](#) (Certificate)

## Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business – all programs

## 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

## Contact

### Director

John R. Williams

### Office

Glass Hall, Room 439

### Phone

417-836-5414

### Fax

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

417-836-5164

**Email**[Accountancy@missouristate.edu](mailto:Accountancy@missouristate.edu)**Website**[missouristate.edu/SOA](http://missouristate.edu/SOA)

# Accountancy Graduate Faculty

## Professors

[David B. Byrd](#)

[Sandra D. Byrd](#)

[Lester E. Heitger](#)

[Debra H. Oden](#)

[Stevan K. Olson](#)

[George Schmelzle](#)

## Associate professors

[Paul A. Ashcroft](#)

[Phillip D. Harsha](#)

[Carl E. Keller, Jr.](#)

[Geanie W. Margavio](#)

[John R. Williams](#)

## Senior instructor

[Michael Hammond](#)

## Emeritus professors

[Ronald R. Bottin](#)

Kenneth W. Brown

[Michael J. Cerullo](#)

Margaret Virginia Cerullo

Kurt E. Chaloupecky

[Sidney R. Ewer](#)

[Olen Greer](#)

[Anthony C. Keller](#)

Jon R. Nance

# 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 MS in Administrative 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. Will not be counted in the hours required for a College of Business graduate degree.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### 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. May be taught concurrently with ACC 504. Cannot receive credit for both ACC 504 and ACC 604. Research assignments are required.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### ACC 721 Advanced Tax Accounting

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. May be taught concurrently with ACC 506. Cannot receive credit for both ACC 506 and ACC 606. Research assignments are required.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Spring

[Projected offerings](#)

### **ACC 723 Tax Considerations for Decision Makers**

*Prerequisite: grade of "C" or better in ACC 624 or*

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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. May be taught concurrently with ACC 524. Cannot receive credit for both ACC 524 and ACC 624. Research assignments are required.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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 US tax policy. May be taught concurrently with ACC 525. Cannot receive credit for both ACC 525 and ACC 625.

**Credit hours:** 3 **Lecture contact hours:** 1

*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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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



**Lab contact hours:** 4

**Typically offered:** Spring

[Projected offerings](#)

### **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. May be taught concurrently with ACC 532. Cannot receive credit for both ACC 532 and ACC 632. Research assignments are required.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. May be taught concurrently with ACC 553. Cannot receive credit for both ACC 553 and ACC 653. Research

governmental and health care organizations, although other non-profit organizations are also studied.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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

assignments are required.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

auditing professionals.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring, Summer

[Projected offerings](#)

### **ACC 695 Research Issues and Problems: Accounting**

*Prerequisite: permission of the School of Accountancy Director; and admitted to the MAcc Program.*

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

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 total of 3 hours. May be taught concurrently with ACC 596. Cannot receive credit for both ACC 596 and ACC 695.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **ACC 796 Independent Study-Accounting**

*Prerequisite: permission of instructor; and*

accountants.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

*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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 total of 9 hours.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ACC 799 Thesis**

*Prerequisite: permission of instructor; and admitted to the MAcc program.*

Independent research and study connected with preparation of thesis.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Accountancy

## Graduate programs

### Master of Accountancy

**Phil Harsha, MAcc Program Director**

Glass Hall, Room 444 Phone 417-836-5678

[PhilHarsha@missouristate.edu](mailto:PhilHarsha@missouristate.edu)

### Mission

The School of Accountancy (SOA) cultivates a comprehensive, high quality accounting 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, the faculty encourages interaction with students in the classroom, during office visits and through other school, college and university programs. Faculty members are also engaged in productive scholarship and meaningful service and interaction with the accounting profession, the University, and the larger community. The SOA acknowledges that the 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.

### 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 dishonestly) 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**

1. The student must have received an undergraduate degree from a regionally accredited college or university.
2. The student must have attained a GPA of at least 3.20 for the last 60 hours of academic work and must have attained a GPA of at least 3.20 in upper-division accounting courses.
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. The applicant must achieve a minimum composite score of 500 on the Graduate Management Admissions Test (GMAT), and a minimum score of at least the 30th percentile for both the verbal and quantitative components of the GMAT. No other test may be substituted for the GMAT.
6. Applicants who do not meet the normal admission requirements, but who show an indication of high promise, will be considered for probationary admission.
7. All other University and Graduate College requirements for admission to a degree program will also apply.

### **Admission - Accelerated MAcc**

1. Completion of [ACC 301](#), [ACC 302](#), [ACC 311](#), [ACC 321](#) and [ACC 341](#) with a GPA of 3.20 or better.
2. An overall GPA of 3.20 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. The applicant must achieve a minimum composite score of 500 on the Graduate Management Admissions Test (GMAT), and a minimum score of at least the 30th percentile for both the verbal and the quantitative components of the GMAT. No other Test may be substituted for the GMAT. Applicants who have completed [ACC 301](#), [ACC 302](#), [ACC 311](#), [ACC 321](#) and [ACC 341](#) with a GPA of 3.4 or better 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 33 hrs

The Master of Accountancy degree requires a minimum of 33 hours of graduate credit. At least 24 of the 33 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 - 15 hrs

With advisor approval, elect five (5) accounting courses. Note: No more than a total of 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.

# Forensic Accounting

## Graduate programs

### Forensic Accounting Graduate Certificate Program

#### 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
<a href="#">ACC 754</a>	Forensic Accounting: Litigation Support and Expert Witnessing	3 hrs
<a href="#">ACC 752</a>	Fraud Examination	3 hrs
<a href="#">ACC 751</a>	Information Systems Auditing	3 hrs
Select one of the following:		
<a href="#">ACC 741</a>	Advanced Accounting and Management Information Systems	3 hrs
<a href="#">ACC 750</a>	Advanced Auditing	3 hrs
<a href="#">ACC 794</a>	Internship (Forensic Accounting related)	3 hrs
<a href="#">ACC 796</a>	Independent Study (Forensic Accounting related)	3 hrs

## **GPA requirement**

Students must have a B or better grade in each course.

# Tax Accounting

## Graduate programs

### Graduate Certificate in Tax Accounting

#### 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.

#### 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
<a href="#"><u>ACC 721</u></a>	Advanced Tax Accounting	3 hrs
<a href="#"><u>ACC 722</u></a>	Public Service Tax Accounting	3 hrs
<a href="#"><u>ACC 723</u></a>	Tax Considerations for Decision Makers	3 hrs
Select one of the following:		
<a href="#"><u>ACC 625</u></a>	Individual Income Tax Assistance	3 hrs
<a href="#"><u>FIN 638</u></a>	Introduction to Estate Planning	3 hrs
<a href="#"><u>ACC 794</u></a>	Internship (Tax Accounting related)	3 hrs
<a href="#"><u>ACC 796</u></a>	Independent Study (Tax Accounting related)	3 hrs

## **GPA requirement**

Students must have a B or better grade in each course.

# Department of Computer Information Systems

## Programs

✚Includes accelerated master's option

### Master's programs

[Cybersecurity](#) (MS)

[Secondary Education with an option in Business](#)  
(MSEd)

[Computer Information Systems](#) (MS) - not  
currently accepting applications

[Business Administration](#) (MBA) ✚Administered by  
the College of Business

### Certificates

[Computer Information Systems](#) (Certificate)

[Cybersecurity](#) (Certificate)

## Accreditation

The MS in CIS 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

## Contact

### Department head

Joshua Davis

### Office

Glass Hall, Room 359

### Phone

417-836-4131



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 CIS program are assessed at a higher rate than other graduate programs. The current rate is \$420 per credit hour

**Fax**

417-836-6907

**Email**[CIS@MissouriState.edu](mailto:CIS@MissouriState.edu)**Website**[cis.missouristate.edu](http://cis.missouristate.edu)

# Computer Information Systems Graduate Faculty

## Professors

[Tonya B. Barrier](#)

[S. Berlin Brahnam](#)

[Ronald Dattero](#)

[Michael A. Hignite](#)

[Richard A. Johnson](#)

[Rajeev Kaula](#)

[Thomas M. Margavio](#)

[David B. Meinert](#)

[Dane K. Peterson](#)

[Randall S. Sexton](#)

## Associate professor

[Duane R. Moses](#)

## Adjunct faculty

[Rick L. Brattin](#)

[Brian G. Burton](#)

[Martin D. Crossland](#)

[Kirk Garten](#)

[Robert S. Hornberger](#)

Steven F. Schmidt

## Emeritus professors

James T. Brown

[Jerry M. Chin](#)

E. Reed Doke

[Chung S. Kim](#)

[Heidi Perreault](#)

[Jean C. Swanson](#)

# Computer Information Systems Courses

## Business Education (BSE) courses

### BSE 603 Teaching of Business

*Prerequisite: EDC 350; and ACC 211 or ACC 206; and Teacher Certification students must be admitted to teacher education program; and approved major in business; or permission of department head.*

Development of a philosophy for and about business education; study of relevant legislation; study of methods of teaching selected business subjects including use of research-based readings, observation, and microteaching. A grade of "C" or better is required in this course in order to take BSE 493 or BSE 494. May be taught concurrently with BSE 503. Cannot receive credit for both BSE 503 and BSE 603.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### BSE 609 Business Education Workshop

Development and promotion of desirable programs in business education. Each workshop emphasizes a single topic. May be repeated for a maximum of 5 hours when topic varies. May be taught concurrently with BSE 509. Cannot receive credit for both BSE 509 and BSE 609.

**Credit hours: 1-5 Lecture contact hours:**

### BSE 626 Coordination of Cooperative Education

*Prerequisite: teacher certification student.*

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 and SEC 626. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 526. Cannot receive credit for both BSE 526 and BSE 626.

**Credit hours: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### BSE 628 Measurement and Evaluation of Vocational Education Programs

*Prerequisite: teacher certification student.*

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 and SEC 628. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 528. Cannot receive credit

**Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**BSE 620 Occupational Analysis***Prerequisite: teacher certification student.*

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. Identical with AGV 620. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with BSE 520. Cannot receive credit for both BSE 520 and BSE 620.

**Credit hours:** 1-2 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**BSE 622 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Meets Missouri Vocational Education certification requirements. Identical with AGV 622 and SEC 622. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 522. Cannot receive credit for both BSE 522 and BSE 622.

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

for BSE 528 and BSE 628.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**BSE 640 Curriculum Development for Business Education***Prerequisite: teacher certification student must be admitted to Teacher Education Program.*

Major emphasis given to curriculum development in business courses. Selected topics include teaching basic business courses; developing course objectives, content, and evaluative strategies; sponsoring youth organizations; selecting equipment. May be taught concurrently with BSE 540. Cannot receive credit for both BSE 540 and BSE 640.

**Credit hours:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Spring[Projected offerings](#)**BSE 696 Problems in Business Education***Prerequisite: permission of department head.*

Technical or professional problems growing from particular needs that may require additional depth or breadth of study. Outline of study must be approved prior to enrolling. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 596. Cannot receive credit

**Projected offerings****BSE 623 Guidance for Vocational Development***Prerequisite: teacher certification student.*

Materials, procedures, and problems in guidance of individuals in the selection of, preparation for, and advancement in a vocation. Identical with AGV 623. May be repeated to a total of 3 hours when topic varies. May be taught concurrently with BSE 523. Cannot receive credit for both BSE 523 and BSE 623.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**BSE 624 Implementing Vocational Business****Education Programs***Prerequisite: teacher certification student.*

Problems; procedures; and local, state and federal relationships in the implementation and administration of vocational business education in the contemporary school. May be taught concurrently with BSE 524. Cannot receive credit for both BSE 524 and BSE 624.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)

for both BSE 596 and BSE 696.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**BSE 705 Curriculum Construction in Business Education**

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. Identical with SEC 705. May be repeated to a total of 3 hours when topic varies.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**BSE 710 Improvement of Instruction in Business Education**

Current developments and trends in teaching business subjects; new developments in resources, methods, and techniques. May be repeated to a total of 3 hours when topic varies.

**Credit hours:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)

**BSE 730 Research Seminar in Business****Education**

Critical interpretation and evaluations of research in business education. Individualized assistance provided in the development of an extensive research paper to satisfy the requirement for Research Option II.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Computer Information Systems (CIS) courses****CIS 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**CIS 628 Database Application Development with Oracle**

*Prerequisite: CIS 465 or CIS 475 or permission of*

**CIS 746 Data Management**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**CIS 747 IT Legal Issues**

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 CIS 528. Cannot receive credit for both CIS 628 and CIS 528.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **CIS 630 Training for End User Computing**

An analysis of the training function and its application to end user computing. Emphasis on selecting appropriate methods and media. May be taught concurrently with CIS 530. Cannot receive credit for both CIS 530 and CIS 630.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CIS 635 Machine Learning**

An introduction to machine learning, data mining, and statistical pattern recognition. The course will also cover recent applications of machine learning, such as speech recognition, bankruptcy, credit

*Prerequisite: admission to the MS in Computer Information Systems 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 E-mail, 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 748 Principles of Information Security**

*Prerequisite: admission to the MS in Computer Information Systems 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

fraud, customer churn, cancer predictions, and facial recognition. Software will be provided for hands-on experience using a feed-forward neural network optimized with a genetic algorithm for business analytics. May be taught concurrently with CIS 535. Cannot receive credit for both CIS 535 and CIS 635.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 660 Fundamentals of Cybersecurity**

*Prerequisite: MGT 340 and 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. May be taught concurrently with CIS 560. Cannot receive credit for both CIS 560 and CIS 660.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 664 Hacker Techniques and Incident Response**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

post-incident procedures, technical and managerial responses and an overview of the information security planning functions.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 750 Sourcing and Procurement**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 752 Behavior and Leadership in IT**

*Prerequisite: admission to the MS in Computer Information Systems program.*



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.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 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. May be taught concurrently with CIS 581. Cannot receive credit for both CIS 681 and CIS 581.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **CIS 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

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 754 Organizational Transformation**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 756 Special Topics in Information Systems**

*Prerequisite: admission to the MS in Computer*

processes of an organization. May be taught concurrently with CIS 582. Cannot receive credit for both CIS 682 and CIS 582.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **CIS 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 CIS 583. Cannot receive credit for both CIS 683 and CIS 583.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CIS 696 Problems in Business: Computer Information Systems**

*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 total of 3 hours. May be taught concurrently with

*Information Systems 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. The course may be repeated for a total of six hours.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 761 Management Information Systems**

*Prerequisite: admission to the MBA program or permission from the MBA Program Director; and CIS 429 or CIS 600 or equivalent.*

A macro application to the concept, design and implementation of management information systems. This course is designed to be useful to MBA students interested in management information systems development as well as those who plan to be involved in managing MIS projects. Cannot receive credit for both CIS 461 and CIS 761.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CIS 762 Legal Issues in Cybersecurity**

*Prerequisite: CIS 660 or concurrent enrollment; and admission to the Cybersecurity program or permission.*

CIS 596. Cannot receive credit for both CIS 596 and CIS 696.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 732 Strategic IT Planning**

*Prerequisite: admission to the MS in Computer Information Systems 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

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 763 Telecommunications and Network Security**

*Prerequisite: CIS 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.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 734 Staffing the Information Systems**

#### **Function**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 736 Data Communications and Information**

### **CIS 765 Computer Forensics**

*Prerequisite: CIS 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.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 766 Web Application Security**

*Prerequisite: CIS 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.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 738 Information System Project Management**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 740 Comparative Systems Development Methodology**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 794 Internship: Computer Information Systems**

*Prerequisite: permission of the director of the appropriate graduate program and department head.*

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 742 Management of End User Computing**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 744 Information Systems Management**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **CIS 796 Independent Study-Computer Information Systems**

*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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **CIS 797 Special Topics**

*Prerequisite: permission.*

Study of topics in Computer Information Systems/Business Education. May be repeated to a total of 6 hours when topic varies.

**Credit hours: 1-3 Lecture contact hours:**

*Prerequisite: admission to the MS in Computer Information Systems 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CIS 799 Thesis**

*Prerequisite: permission of instructor.*

Independent research and study connected with the preparation of a thesis.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)



# Cybersecurity

## Master of Science, Cybersecurity

### Joshua Davis, Graduate Director

Glass Hall, Room 359;

Phone 417-836-4131

[Cybersecurity@missouristate.edu](mailto:Cybersecurity@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. Candidates for the Cybersecurity Master's Degree program must be admitted to the University as a graduate student.
2. The candidate should have a Bachelor's degree from a regionally accredited college or university.
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. 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).
5. 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:
  - Reading: 15
  - Listening: 15
  - Speaking: 18

- Writing: 17

Applicants are further considered on the basis of demonstrated potential for success in graduate study as indicated by a combination of prior academic achievement, GMAT scores, personal statement, resume (optional), and references (optional).

### Degree requirements (minimum 30 hrs)

Course Code	Course Title
<a href="#"><u>CIS 660</u></a>	Fundamentals of Cybersecurity
<a href="#"><u>CIS 664</u></a>	Hacker Techniques and Incident Response
<a href="#"><u>CIS 683</u></a>	Cloud Computing
<a href="#"><u>CIS 762</u></a>	I.T. Legal Issues in Cybersecurity
<a href="#"><u>CIS 763</u></a>	Telecommunications and Network Security
<a href="#"><u>CIS 766</u></a>	Web Application Security
<a href="#"><u>CIS 770</u></a>	Seminar course in Cybersecurity
<a href="#"><u>CIS 765</u></a>	Computer Forensics
<a href="#"><u>MGT 764</u></a>	Organizational Behavior
<a href="#"><u>TCM 710</u></a>	Project Leadership

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

Students must have a B or better grade in each course.

# Computer Information Systems

## Graduate programs

### Master of Science in Computer Information Systems

#### NOT CURRENTLY ACCEPTING APPLICATIONS

#### Joshua Davis, Department Head

Glass Hall, Room 359; Phone 417-836-4131

[mscis@missouristate.edu](mailto:mscis@missouristate.edu)

#### 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 CIS program are assessed at a higher rate than other graduate programs. The current rate is \$410 per credit hour.

The MS in CIS program is accredited by AACSB International - The Association to Advance Collegiate Schools of Business.

#### Entrance requirements

The Master of Science in Computer Information Systems is open to persons with the following qualifications.

1. At least three years of information systems work experience.
2. At least one course from an institution of higher learning in each of the areas of database, systems

analysis and design, and programming.

3. A GPA of at least 2.75 for the last 60 hours of academic work. In addition, students must have attained a score of at least 450 on the Graduate Management Admissions Test (GMAT) or a comparable percentage rank score on the Graduate Record Examination (GRE).
4. A background in business administration including exposure to accounting, finance, management, marketing, and economics. These business requirements will be waived if the student has an undergraduate or graduate degree in business administration or courses equivalent to at least nine credits in three different areas of business. The Graduate Director will determine if the student has the necessary background.

Applicants who do not meet the normal admission requirements, but who show an indication of high promise, will be considered by the Program Director for probationary admission on a case-by-case basis.

Program course work is offered in a lock-step sequence in which each cohort (20-25 students) completes the program together. Students may start their program any semester in which a new cohort begins.

### **Degree requirements (minimum 36 hrs)**

The Master of Science in Computer Information Systems is a 36 credit-hour program. Course loads are nine hours per semester for four semesters. Students must complete a minimum of ten courses (30 credit hours) in the MS in CIS degree program as part of the residence requirement. Up to 6 semester hours of graduate work can be transferred from another accredited graduate school and applied to the MS in CIS degree requirements. All transfer credit must be approved by the Program Director. Typical course sequence and course loads are as follows:

MS CIS course offerings up to 36 credit hours:

<b>Course Code</b>	<b>Course Title</b>
<a href="#"><u>CIS 660</u></a>	Fundamentals of Cybersecurity
<a href="#"><u>CIS 732</u></a>	Strategic IT Planning
<a href="#"><u>CIS 734</u></a>	Staffing the Information Systems Function
<a href="#"><u>CIS 738</u></a>	Information System Project Management
<a href="#"><u>CIS 744</u></a>	Information System Management
<a href="#"><u>CIS 742</u></a>	Management of End User Computing

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<a href="#"><u>CIS 740</u></a>	Comparative Systems Development Methodology
<a href="#"><u>CIS 746</u></a>	Data Management
<a href="#"><u>CIS 747</u></a>	IT Legal Issues
<a href="#"><u>CIS 748</u></a>	Principles of Information Security
<a href="#"><u>CIS 750</u></a>	IT Sourcing and Procurement
<a href="#"><u>CIS 752</u></a>	Behavioral and Leadership in IT
<a href="#"><u>CIS 754</u></a>	Organizational Transformation
<a href="#"><u>CIS 756</u></a>	Special Topics in Information Systems
<a href="#"><u>CIS 765</u></a>	Computer Forensics

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## Research

Research projects with oral or written reports may be required in any graduate CIS course. Significant professional research components are included in many courses.

# Secondary Education: Business Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Business Area of Emphasis

ADMISSION TO THIS EMPHASIS AREA HAS BEEN SUSPENDED

See program requirements for the [MSEd, Secondary Education](#).

Contact area of emphasis advisor Dr. Glenna Vanderhoof, CIS department.

### College of Business Requirements

Students must have undergraduate preparation in, or the equivalent of, the following core requirements.

Course Title	Credit Hours
Basic Statistics	3 hrs
Principles of Accounting	6 hrs
Basic Business Law	4 hrs
Principles of Finance	3 hrs
Principles of Economics	6 hrs
Management Theory	3 hrs
Principles of Marketing	3 hrs
Computer Information Systems	3 hrs
Word Processing	3 hrs
<b>Total</b>	<b>34 hrs</b>

### Business Requirements

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<u>BSE 696</u>	Problems in Business Education	3 hrs
<u>BSE 705</u>	Curriculum Construction in Business Education	3 hrs
<u>MGT 706</u>	Organizational Communication	3 hrs
<u>BSE 710</u>	Improvement of Instruction in Business Education	3 hrs
	Additional College of Business course work	3 hrs
	<b>Total</b>	<b>15 hrs</b>

# Certificate in Computer Information Systems

## Graduate Certificate in Computer Information Systems

### Program description

The Computer Information Systems 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 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
<a href="#">CIS 790</a>	Seminar in Management Information Systems	3 hrs
<a href="#">CIS 626</a>	Computer Security	3 hrs
Select two courses from the following:		
<a href="#">CIS 681</a>	Foundations of Information Technology Service Management (ITSM)	3 hrs
<a href="#">CIS 720</a>	Project Management in Information Systems	3 hrs
<a href="#">CIS 725</a>	Neural Networks	3 hrs

### GPA requirement

Students must have a B or better grade in each course.



# Certificate in Cybersecurity

## Graduate programs

### Graduate Certificate in Cybersecurity

**Joshua Davis, Graduate Director**

Glass Hall, Room 359; Phone 417-836-4131

[Cybersecurity@missouristate.edu](mailto:Cybersecurity@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 MBA Program Director.

#### Required courses (12 hrs)

Course Code	Course Title	Credit Hours
<a href="#">CIS 626</a>	Fundamentals of Cybersecurity	3 hrs
Choose any 3 of the following 4:		
<a href="#">CIS 764</a>	Hacker Techniques and Incident Response	3 hrs
<a href="#">CIS 766</a>	Web Application Security	3 hrs
<a href="#">CIS 765</a>	Computer Forensics	3 hrs
* <a href="#">CIS 762</a>	I.T. Legal Issues in Cybersecurity	3 hrs

\* Students enrolled in the MS CIS program may substitute CIS 747 for CIS 762

### **GPA requirement**

Students must have a B or better grade in each course.

# Department of Merchandising and Fashion Design

## Programs

✚ Includes accelerated master's option

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## 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 courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Fashion Merchandising and Design](#) (FMD) courses

## Contact

### Interim department head

Ronald Coulter

### Office

Park Central Office Building,  
Suite 300

### Phone

417-836-5136

### Fax

417-836-4341

### Email

[FID@missouristate.edu](mailto:FID@missouristate.edu)

### Website

[missouristate.edu/fid/](http://missouristate.edu/fid/)

# Merchandising and Fashion Design Courses

## Fashion Merchandising and Design (MFD) courses

### MFD 660 Entrepreneurship

Developing a fashion business plan from concept to store opening including: target market, location, merchandising classification, human resources, cash flow sheets, profit and loss, store design, assortment planning, marketing strategies and funding. Completed business plan is critiqued by a financial industry professional. A grade of C or better is required for graduation. May be taught concurrently with FMD 560. Cannot receive credit for both FMD 660 and FMD 560.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### MFD 670 Senior Collection

Complete a fashion collection to be critiqued and juried by fashion industry professionals for the spring fashion show. A grade of "C" or better is required for graduation. Supplemental course fee. May be taught concurrently with MFD 570. Cannot receive credit for both MFD 670 and MFD 570.

**Credit hours: 3    Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Spring  
[Projected offerings](#)

### 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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

# Department of Finance and General Business

## Programs

✦Includes accelerated master's option

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## Master's programs

[Business Administration](#) (MBA) ✦Administered by the College of Business

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## Certificates

[Finance](#) (Certificate)

[Financial Analysis](#) (Certificate)

# Finance and General Business Graduate Faculty

## Distinguished professor

[Carol J. Miller](#)

## Professors

[Wayne L. Anderson](#)

[C. Edward Chang](#)

[Susan J. Crain](#)

[Stanley A. Leasure](#)

[Kent P. Ragan](#)

## Associate professors

[K. Stephen Haggard](#)

[Walt A. Nelson](#)

[James Philpot](#)

[H. Douglas Witte](#)

[Y. Jenny Zhang](#)

## Assistant professor

[Jeffrey Jones](#)

[James R. Scott](#)

## Emeritus professors

[Vencil J. Bixler](#)

[John S. Bowdidge](#)

[Kee S. Kim](#)

John K. Litvan

[Robert W. Owens](#)

John E. Patton

[James B. Pettijohn](#)

[George S. Swales, Jr.](#)

# Finance and General Business Courses

## Business (BUS) courses

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## 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.

### **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



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **FIN 638 Introduction to Estate Planning**

*Prerequisite: LAW 231 or LAW 600.*

Estate planning process; fundamentals of intestate distribution, 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 INS 638. May be taught concurrently with FIN 538. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **FIN 681 Professional Financial Planning**

*Prerequisite: ACC 321 and FIN 381 and FIN 485 and INS 211 and LAW 231; and INS 314 or concurrent enrollment; and FIN/INS 538/638 or ACC 524/624 or concurrent enrollment.*

A case-oriented study of comprehensive financial planning for client families. This course integrates

FIN 596. Cannot receive credit for more than 6 hours of FIN 596 and FIN 697 combined.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

Cannot receive credit for both FIN 699 and FIN 599.

**Credit hours: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring  
[Projected offerings](#)

### **FIN 780 Advanced 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 ACC 711; and a grade of B- or better in FIN 600.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### **FIN 785 Investment Management**

*Prerequisite: FIN 780.*

A study of investment theory and practice. Topics

Projected offerings**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

Projected offerings

**FIN 689 Management of Financial Institutions**

*Prerequisite: grade of B- or better in FIN 380; and either FIN 384 or ECO 305.*

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

include portfolio theory, equilibrium in capital markets, equity and fixed income security analysis, derivatives (options, futures, swaps), portfolio management and strategies.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

Projected offerings

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

Projected offerings

**FIN 788 Healthcare Financial Management**

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.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **FIN 695 Financial Markets Study Tour**

*Prerequisite: a graduate GPA (Missouri State and transfer) of 3.50 or higher; recommendation of a finance faculty member; permission of department head.*

The course consists of three parts; 1. Background research and discussion of selected companies and institutions of one or more major financial center(s) (e.g. New York, Chicago, and/or London) 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. May be taught concurrently with FIN 595. Cannot receive credit for both FIN 695 and FIN 595.

**Credit hours: 3 Lecture contact hours: 3**

Topics covered include: tax status, third-party payers, payment methodologies, Medicare and Medicaid, cost accounting and analysis, rate setting, working capital, accounts receivable, budgeting, and financial analysis.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## **Insurance (INS) courses**

### **INS 638 Introduction to Estate Planning**

*Prerequisite: LAW 231 or LAW 600.*

Estate planning process; fundamentals of intestate distribution, 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 INS 538. Cannot receive credit for more than one of FIN 538, FIN 638, INS 538, or INS 638.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring (even-numbered years)  
[Projected offerings](#)

## **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

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (odd-numbered years)  
[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

## **LAW 650 Negotiation, Mediation, and Arbitration in Business**

union contracts. May be taught concurrently with LAW 531. Cannot receive credit for both LAW 631 and LAW 531.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)



# Certificate in Finance

## Certificate in Finance

### 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
<b><u>FIN</u></b> <b><u>785</u></b>	Investment Management	3 hrs
<b><u>FIN</u></b> <b><u>787</u></b>	Seminar in Derivatives	3 hrs
OR		
<b><u>FIN</u></b> <b><u>790</u></b>	Seminar in Finance	
<b><u>FIN</u></b> <b><u>682</u></b>	International Financial Management	3 hrs
OR	OR	
<b><u>FIN</u></b>	International Financial	

<b><u>686</u></b>	<b>Statement Analysis</b>	
	<b>Complete one <sup>1</sup> additional course from the following</b>	
<b><u>FIN 638</u></b>	<b>Introduction to Estate Planning</b>	<b>3 hrs</b>
<b><u>FIN 681</u></b>	<b>Professional Financial Planning</b>	<b>3 hrs</b>
<b><u>FIN 682</u></b>	<b>International Financial Management</b>	<b>3 hrs</b>
<b><u>FIN 686</u></b>	<b>International Financial Statement Analysis</b>	<b>3 hrs</b>
<b><u>FIN 689</u></b>	<b>Management of Financial Institutions</b>	<b>3 hrs</b>
<b><u>FIN 695</u></b>	<b>Financial Markets Study Tour</b>	<b>3 hrs</b>
<b><u>FIN 699</u></b>	<b>Directed Study for CFA Level I Exam</b>	<b>3 hrs</b>
<b><u>FIN 785</u></b>	<b>Investment Management</b>	<b>3 hr</b>
<b><u>FIN 787</u></b>	<b>Seminar in Derivatives</b>	<b>3 hrs</b>
<b><u>FIN 790</u></b>	<b>Seminar in Finance</b>	<b>3 hrs</b>

No more than six hours of 600-level coursework may be used toward the Graduate Certificate in Finance

<sup>1</sup> 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.

# Financial Analysis Graduate Certificate

## Graduate programs

### Financial Analysis Graduate Certificate

#### Jeff Jones, Program Director

Glass Hall, Room 300; Phone (417) 836-6174

[JeffSJones@missouristate.edu](mailto:JeffSJones@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:  $(\text{Undergraduate GPA} \times 200) + \text{GMAT} \geq 1200$
  - b. Achieve an average APG 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 \$35 non-refundable graduate application fee.

- b. Students applying online will be prompted to pay the fee by credit card or electronic check.
- c. Applicants are not required to pay the application fee if they have completed classes at Missouri State University as a graduate student.

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.

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
<a href="#"><u>FIN 780</u></a> <sup>1</sup>	Advanced Financial Management	3 hrs
<a href="#"><u>FIN 785</u></a>	Investment Management	3 hrs
<a href="#"><u>FIN 787</u></a>	Seminar in Derivatives	3 hrs
<a href="#"><u>FIN 682</u></a> <sup>2</sup>	International Financial Management	0-3 hrs
<a href="#"><u>FIN 686</u></a> <sup>3</sup>	International Financial Statement Analysis	0-3 hrs
<a href="#"><u>FIN 699</u></a> <sup>4</sup>	Directed Study for CFA Level I Exam	3 hrs

<sup>1</sup> If the student has already taken [FIN 390](#) and [FIN 480](#), [QBA 775](#) must be taken in place of [FIN 780](#).

<sup>2</sup> Can be waived if the student achieved a grade of B- or higher in [FIN 582](#).

<sup>3</sup> Can be waived if the student has a grade of B- or higher in [FIN 586](#) or [ACC 504/604](#).

<sup>4</sup> If the student has already taken [FIN 599](#), then they must substitute [FIN 796](#) in place of [FIN 699](#). [FIN 796](#) must include completion of an independent study project in consultation with the Graduate Certificate in Financial Analysis Program Director.

## GPA requirement

a 3.0 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.

# Department of Management

## Programs

✚Includes accelerated master's option

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## Master's programs

[Business Administration](#) (MBA) ✚Administered by [Health Administration](#) (MHA) ✚  
the College of Business

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## 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

Jeffrey S. Jones

### Office

Glass Hall, Room 414

### Phone

417-836-5415

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417-836-3004

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[JeffSJones@missouristate.edu](mailto:JeffSJones@missouristate.edu)

**Website**

[mgt.missouristate.edu](http://mgt.missouristate.edu)



# Management Graduate Faculty

## Professors

[Elizabeth J. Rozell](#)

[Wesley A. Scroggins](#)

[Steven L. Thomas](#)

[Barry L. Wisdom](#)

## Associate professors

[Vinay K. Garg](#)

[Dana L. Haggard](#)

## Assistant professors

[Jason DeBode](#)

[Michael Merrigan](#)

## Senior instructor

[Glenn Pace](#)

## Adjunct instructor

[Brad Bodenhausen](#)

## Emeritus professors

[Yohannan T. Abraham](#)

[Mona J. Casady](#)

[Mary K. Coulter](#)

[D. Keith Denton](#)

[Patricia Feltes](#)

J. Kenneth Horn

Thomas H. Inman

[Robert O. Lunn](#)

Arnola C. Ownby

Peter Richardson

[Robert L. Trewatha](#)

[Lynn E. Wasson](#)

# Management Courses

## 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MGT 643 New Venture Management**

Students conduct extensive research and in-depth analysis in starting or expanding their own business venture. Major topics include new venture strategy, sources of capital, and growth management. Emphasis is placed on student preparation and presentation of a complete business plan. May be taught concurrently with MGT 543. Cannot receive credit for both MGT 543 and MGT 643.

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **MGT 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 are referred through the Small Business Development Center. May be taught concurrently with MGT 561. Cannot receive credit for both MGT 561 and MGT 671.

**Typically offered:** Fall

[Projected offerings](#)

### **MGT 711 Measurement and Management of Quality in Health Care**

*Prerequisite: MGT 600 and QBA 600.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **MGT 675 Advanced OM: 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 MGT 565. Cannot receive credit for both MGT 565 and MGT 675.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **MGT 677 Practicum in Operations**

*Prerequisite: MGT 600.*

Real-life experience in applying operational techniques to business and non-profit organizations. Students interests are matched to needs of local organizations to create hands-on projects. May be taught concurrently with MGT 567. Cannot receive credit for both MGT 567 and MGT 677.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MGT 762 Problems in Human Resources Management and Industrial Relations**

*Prerequisite: MGT 600 or equivalent.*

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MGT 701 Health Services Organization**

Introduction to the health services delivery system.

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MGT 702 Managing Healthcare Organizations**

*Prerequisite: MGT 701 or permission of instructor.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

flows, structure, size, power, objectives, managerial philosophies, and effectiveness.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**MGT 704 Human Resources in Healthcare Organizations**

*Prerequisite: MGT 600 or equivalent.*

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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

considerations. Particular consideration for HR concepts related to clinical professionals and physicians.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

### **MGT 799 Thesis**

*Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)



# Health Administration

## 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. For information on the GMAT or GRE, please contact the Graduate College (836-5335) or the Missouri State University Counseling and Testing Center (836-5116).

Applicants from foreign countries whose native language is not English are required to submit scores on the TOEFL. Normally, TOEFL scores of 550 on the paper-based or a comparable score of 213 on the computer-based are required for admission.

### Core requirements - 30 hours

Course Code	Course Title	Credit Hours
<a href="#"><u>ACC 688</u></a>	Healthcare Accounting Concepts	3 hrs
<a href="#"><u>FIN 788</u></a>	Healthcare Financial Management	3 hrs
<a href="#"><u>MGT 701</u></a>	Health Services Organization	3 hrs
<a href="#"><u>MGT 702</u></a>	Managing Healthcare Organizations*	3 hrs
<a href="#"><u>MGT 703</u></a>	Health Law and Ethics*	3 hrs
<a href="#"><u>MGT 704</u></a>	Human Resources in Healthcare Organizations*	3 hrs
<a href="#"><u>MGT 705</u></a>	Strategic Management of Healthcare Organizations*	3 hrs
<a href="#"><u>MGT 711</u></a>	Measurement and Management of Quality in Healthcare*	3 hrs
<a href="#"><u>MGT 764</u></a>	Organizational Behavior	
<a href="#"><u>MGT 770</u></a>	Leadership Development	3 hrs
	<b>Core Total:</b>	<b>30 hrs</b>

\*Course prerequisites may be required.

### Electives - 6 hours

Course Code	Course Title	Credit Hours
<a href="#"><u>ACC 711</u></a>	Managerial Accounting	3 hrs
<a href="#"><u>CIS 761</u></a>	Management Information Systemes*	3 hrs
<a href="#"><u>ECO 604</u></a>	Health Care Economics*	3 hrs

<a href="#">FIN 780</a>	Advanced Financial Management	3 hrs
<a href="#">MKT 772</a>	Marketing Management	3 hrs
<a href="#">MGT 790</a>	Seminar in Management	3 hrs
<a href="#">PBH 720</a>	Epidemiology	3 hrs
<a href="#">PBH 740</a>	Health Behaviors	3 hrs
<a href="#">PBH 756</a>	Introduction to Public Health	
<a href="#">PBH 783</a>	International Health and Infectious Disease	3 hrs
<a href="#">PLS 754</a>	Seminar in Health Policy	3 hrs
<b>Elective Total:</b>		<b>6 hrs</b>

\*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)

When offered to a select group of students, typically a cohort, with significant professional experience, the MHA Program may be presented in a format referred to as the Executive MHA Option or the EMHA. From a curricular viewpoint, the EMHA is structured in the same way as the traditional MHA, however, the sequencing presentation format and mix of core and elective courses will be designed in such a way as to maximize the benefit 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**

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](#) - 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.

### **Degree requirements**

The program requires a minimum **36 hours** of graduate credit plus any necessary prerequisite courses.

# Certificate in Entrepreneurship

## Graduate programs

### Graduate Certificate in Entrepreneurship

#### 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
<a href="#"><u>MGT 643</u></a>	New Venture Management	3 hrs
<a href="#"><u>MGT 790</u></a>	Seminar in Management	3 hrs
<a href="#"><u>MGT 671</u></a>	Practicum in Small Business Operations	3 hrs
Select one of the following:		
<a href="#"><u>MGT 760</u></a>	Selected Topics in Management	3 hrs
<a href="#"><u>MGT 770</u></a>	Leadership Development	3 hrs
<a href="#"><u>MGT 796</u></a>	Independent Study	3 hrs
<a href="#"><u>MKT 790</u></a>	Seminar in Marketing	3 hrs

**FIN 790**

Seminar in Finance

3 hrs

**CIS 790**

Seminar in Computer Information Systems

3 hrs

**GPA requirement**

Students must have a B or better grade in each course.



# Certificate in International Business

## Graduate programs

### Graduate Certificate in International Business

#### 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
<a href="#"><u>MGT 747</u></a>	International Management	3 hrs
Select three of the following:		
<a href="#"><u>MKT 764</u></a>	International Logistics and Global Supply Chain Management	3 hrs
<a href="#"><u>FIN 686</u></a>	International Financial Statement Analysis	3 hrs
<a href="#"><u>MGT 790</u></a>	Seminar in Management	3 hrs
<a href="#"><u>MGT 796</u></a>	Independent Study	3 hrs
<a href="#"><u>MKT 774</u></a>	International Marketing	3 hrs
<a href="#"><u>FIN 682</u></a>	International Financial Management	3 hrs

## **GPA requirement**

Students must have a B or better grade in each course.

# Health Administration Certificate

## Health Administration Certificate Program

**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 post-baccalaureate 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.

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: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
<a href="#"><u>MGT 701</u></a>	Health Services Organization	3 hrs
<a href="#"><u>MGT 770</u></a>	Leadership	3 hrs

<a href="#"><u>PLS 754</u></a>	Healthcare Policy	3 hrs
<a href="#"><u>MGT 705</u></a>	Strategic Management in Healthcare Organizations	3 hrs

**Management track:**

Course Code	Course Title	Credit Hours
<a href="#"><u>MGT 701</u></a>	Health Services Organization	3 hrs
<a href="#"><u>FIN 788</u></a>	Healthcare Finance	3 hrs
<a href="#"><u>MGT 704</u></a>	Human Resources in Healthcare Organizations	3 hrs
<a href="#"><u>MGT 702</u></a>	Managing Healthcare Organizations	3 hrs

**Healthcare quality and population health track:**

Course Code	Course Title	Credit Hours
<a href="#"><u>MGT 701</u></a>	Health Services Organization	3 hrs
<a href="#"><u>MGT 711</u></a>	Measurement and Management of Healthcare Quality	3 hrs
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>PBH 740</u></a>	Health Behaviors	3 hrs

# Certificate in Leadership

## Graduate programs

### Graduate Certificate in Leadership

#### 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
<a href="#"><u>MGT 764</u></a>	Organizational Behavior	3 hrs
<a href="#"><u>MGT 770</u></a>	Leadership Development	3 hrs
<a href="#"><u>MGT 767</u></a>	Organization Strategy and Policy	3 hrs
Select one of the following:		
<a href="#"><u>MGT 796</u></a>	Independent Study	3 hrs
<a href="#"><u>LAW 632</u></a>	Legal Environment of Business Organizations for Professionals	3 hrs
<a href="#"><u>LAW 650</u></a>	Negotiation, Mediation, and Arbitration in Business	3 hrs

#### GPA requirement

Students must have a B or better grade in each course.

# Certificate in Management

## Graduate programs

### Graduate Certificate in Management

#### 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
<a href="#"><u>MGT 747</u></a>	International Management	3 hrs
<a href="#"><u>MGT 764</u></a>	Organizational Behavior	3 hrs
<a href="#"><u>MGT 767</u></a>	Organization Strategy and Policy	3 hrs
Select one of the following:		
<a href="#"><u>MGT 643</u></a>	New Venture Management	3 hrs
<a href="#"><u>MGT 646</u></a>	Direct Compensation Systems Management	3 hrs
<a href="#"><u>MGT 671</u></a>	Practicum in Small Business Operations	3 hrs
<a href="#"><u>MGT 675</u></a>	Advanced OM: Business Process Management	3 hrs
<a href="#"><u>MGT 701</u></a>	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

### **GPA requirement**

Students must have a B or better grade in each course.



# Department of Marketing

## Programs

✦Includes accelerated master's option

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## Master's programs

[Business Administration](#) (MBA) ✦Administered by the College of Business

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## Certificates

[Marketing](#) (Certificate)

## Accreditation

AACSB International – The Association to Advance Collegiate  
Schools of Business – all programs

## Contact

### Department head

Ronald L. Coulter

### Office

Glass Hall, Room 238

### Phone

417-836-5413

### Fax

417-836-4466

**Email**

[Marketing@missouristate.edu](mailto:Marketing@missouristate.edu)

**Website**

[missouristate.edu/mkt/](http://missouristate.edu/mkt/)

# Marketing Graduate Faculty

## Professors

[Melissa Burnett](#)

[Ronald L. Coulter](#)

[Charles M. Hermans](#)

[Corinne M. Karuppan](#)

[Allen D. Schaefer](#)

[Christina Simmers](#)

## Associate professors

[Ronald A. Clark](#)

[Barry Cobb](#)

[G. Alex Hamwi](#)

## Instructor

[Patrick R. Sells](#)

## Emeritus faculty

[Thomas S. Brown](#)

[Nancy K. Keith](#)

[Robert H. Luke](#)

[R. Steven Parker](#)

[Charles E. Pettijohn](#)

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **MKT 770 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,

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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 marketing. Topics covered include advertising ethics, appropriate research applications, and promotional planning and execution. Guerilla marketing tactics, fostering brand interaction through social media and other non-traditional advertising techniques will be explored. Case studies and contemporary readings will replace the traditional marketing textbook. May be taught concurrently with MKT 515. Cannot receive credit for both MKT 615 and MKT 515.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

appropriate tests of information, and interpretation of findings, including implications for further study.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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 lifestyles, and society in general. Students are required to complete a research project in the course area.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MKT 796 Independent Study: Marketing**

*Prerequisite: MKT 770 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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MKT 799 Thesis**

*Prerequisite: permission of department head.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)



# Certificate in Marketing

## Graduate programs

### Graduate Certificate in Marketing

#### 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
<a href="#"><u>MKT 615</u></a>	Contemporary Issues in Advertising/Promotions	3 hrs
<a href="#"><u>MKT 774</u></a>	International Marketing	3 hrs
<a href="#"><u>MKT 790</u></a>	Seminar in Marketing	3 hrs
<a href="#"><u>MKT 770</u></a>	Seminar in Marketing Research	3 hrs

#### GPA requirement

Students must have a B or better grade in each course.

# Department of Technology and Construction Management

## Programs

✚Includes accelerated master's option

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## Master's programs

[Project Management](#) (MS) ✚

In addition to the MS, Project Management degree, courses are offered toward the [Administrative Studies](#) program, Project Management option (MS)

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## Certificates

[Project Management](#) (Certificate)

## 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

## Contact

### Department head

R. Neal Callahan

### Office

Glass Hall, Room 200

### Phone

417-836-5121

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.

The Master of Science in Project Management is accredited by the PMI (Project Management Institute) Global Accreditation Center for Project Management Education.

**Fax**

417-836-8556

**Email**[TCM@missouristate.edu](mailto:TCM@missouristate.edu)**Website**[build.missouristate.edu](http://build.missouristate.edu)

# Certificate in International Business

## Graduate programs

### Graduate Certificate in International Business

#### 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
<a href="#"><u>MGT 747</u></a>	International Management	3 hrs
Select three of the following:		
<a href="#"><u>MKT 764</u></a>	International Logistics and Global Supply Chain Management	3 hrs
<a href="#"><u>FIN 686</u></a>	International Financial Statement Analysis	3 hrs
<a href="#"><u>MGT 790</u></a>	Seminar in Management	3 hrs
<a href="#"><u>MGT 796</u></a>	Independent Study	3 hrs
<a href="#"><u>MKT 774</u></a>	International Marketing	3 hrs
<a href="#"><u>FIN 682</u></a>	International Financial Management	3 hrs

## **GPA requirement**

Students must have a B or better grade in each course.

# Technology and Construction Management Graduate Faculty

## Professors

[R. Neal Callahan](#)

## Associate professors

[Amir Behzadan](#)

[Nebil Buyurgan](#)

[Richard J. Gebken, II](#)

[Martin P. Jones](#)

## Assistant professors

[Kevin Hubbard](#)

## Per course faculty

[E. Deanice Jones](#)

[Lane Parker](#)

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### TCM 603 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. May be taught concurrently with TCM 503. Cannot receive credit for both TCM 603 and TCM 503.

**Credit hours: 3 Lecture contact hours: 3**

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### TCM 710 Project Leadership

*Prerequisite: acceptance in the Project Management MS or Graduate Certificate program, or MS in Cybersecurity, or permission of the Project Management MS program director.*

A practical and relevant course that focuses on

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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,

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **TCM 740 Management of Innovation and Technology**

*Prerequisite: acceptance in the Project*



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **TCM 655 Statistical Quality Control and Design of Experiments**

Topics include the practice of statistical techniques widely used in industry to improve quality, reduce

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Project Management

## Graduate programs

### Master of Science in Project Management

**Nebil Buyurgan, Program Director**

Glass Hall, Room 202; Phone 417-836-

[NebilBuyurgan@missouristate.edu](mailto:NebilBuyurgan@missouristate.edu)

#### 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.

The Master of Science in Project Management is accredited by the PMI (Project Management Institute) Global Accreditation Center for Project Management Education.

#### Admission requirements

Persons with the following qualifications will be considered for the Master of Science in Project Management program:

1. The student must have received a Bachelor's or Master's degree from a regionally accredited college or university.
2. A GPA of at least 2.75 for the last 60 hours of academic work. In addition, students must have attained a score of at least 400 on the Graduate Management Admissions Test (GMAT) or a comparable percentage rank score on the Graduate Record Examination (GRE).

3. A background in project management including industry experience. These requirements will be waived if the student has an undergraduate or graduate degree in business administration, engineering, or similar curricula. The Graduate Director will determine if the student has the necessary background.
4. All of 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 the GMAT or GRE, please contact the Graduate College (836-5335) or the Missouri State University Counseling and Testing Center (836-5116).

Students who do not meet the normal admission requirements, but who possess high promise (usually based upon a successful record of managerial performance at increasing levels of responsibility) will be considered for probationary admission.

### **Computer application competency**

Students entering the MPM program are expected to be proficient in the use of word processing, database, and spreadsheet software. No course work is required to fulfill this criteria. 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.

### **Degree requirements (minimum of 33 hours)**

The project management program requires 18 hours of Core Courses. The Core Courses are comprised of six graduate-level courses which are designed to provide accelerated coverage of the project management body of knowledge.

With Core courses met, the degree Thesis Option requires 33 semester hours of total graduate credit while the Seminar Option requires 36 semester hours of total graduate credit. No more than 50% of the coursework completed for the program may be at the 600-level.

<b>Thesis Option</b>	<b>33 hrs</b>
Core Courses	18 hrs
Free Electives	9 hrs
Research/Thesis	6 hrs
<b>Seminar Option</b>	<b>36 hrs</b>

Core Courses	18 hrs
Free Electives	15 hrs
Seminar	3 hrs

The requirements are composed of the following:

1. **Advisor/Advisory Committee.** Initially, each student will be advised by the graduate studies Program Coordinator. As soon as possible, the student will select a graduate faculty member from the Technology and Construction Management Department to serve as their program advisor. Students electing to pursue the thesis option must also select two other faculty members to serve on their graduate advisory committee. The student's program advisor will chair the graduate advisory committee which must minimally consist of two additional faculty members including a faculty member from the student's secondary emphasis area and a faculty member from outside the Technology and Construction Management department. This committee will supervise the remainder of the student's program.

## 2. Course Requirement

### a. Core Courses

**18 hrs**

Course Code	Course Title	Credit Hours
<a href="#"><u>TCM 701</u></a>	Project Management	3 hrs
<a href="#"><u>TCM 710</u></a>	Project Leadership	3 hrs
<a href="#"><u>TCM 645</u></a>	Project Control Systems	3 hrs
<a href="#"><u>TCM 651</u></a>	Cost Analysis for Project Management	3 hrs
<a href="#"><u>TCM 740</u></a>	Management of Innovation and Technology	3 hrs
<a href="#"><u>TCM 750</u></a>	Advanced Project Management	3 hrs

All of the Core Courses are now available at least 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.

### b. Cognate Electives

**9-15 hrs**

Approved cognate courses include both on-campus and online courses. All cognate coursework must be approved by the student's advisor prior to completion of the coursework. Cognate coursework should be selected which supports the degree program and the student's career goals.

### 3. Research

For the thesis option, the student is required to give a final oral presentation of his/her work.

Thesis Option.

**6 hrs**

Completion of a satisfactory thesis in the candidate's discipline is required. The thesis is a complete document that describes the student's work on a research topic. [TCM 798](#) – Research, is completed prior to the semester of graduation and in any semester the student is working on research. A minimum of 3 hours of [TCM 798](#) must be completed. Students must register for [TCM 799](#) in their final semester and may not count more than a total of 6 semester hours combined, [TCM 798](#) and [TCM 799](#) towards their degree course requirements.

Seminar Option

**3 hrs**

Completion of two significant graduate-level research papers based upon seminar work and directed research are required. Seminar students must prepare at least one of these papers as part of the course requirements for [TCM 726](#). No more than 3 semester hours of [TCM 726](#) shall be counted towards the degree requirements.

### GPA requirements

Students must attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.

### Accelerated Master of Project Management option

Exceptional undergraduate students may apply for preliminary acceptance into the Master of Science in Project Management degree program their junior year after admission requirements for the accelerated program have been satisfied. If approved, up to 12 hours of 600-level or 700-level TCM courses may be designated as "mixed credit" and counted toward both the undergraduate and graduate degree programs. See the Graduate Catalog or contact the program director for further information and guidelines.

For courses to be designated as Mixed Credit, the graduate advisor, undergraduate department head, and Graduate College dean must approve by signing the Permission for Mixed Credit form. This form

must be provided to the Office of the Registrar in Carrington Hall, room 320 no later than the end of the Change of Schedule Period for the semester.

**Admission requirements for the Accelerated Masters option:**

1. Junior standing and an overall GPA of 3.00 or better;
2. Acceptance of applicant by Masters of Project Management graduate advisor:
3. A supportive recommendation from the student's undergraduate advisor or undergraduate department head.



# Certificate in Project Management

## Graduate programs

### Project Management Certificate Program

**Nebil Buyurgan, Program Director**

Glass Hall, Room 202; Phone 417-836-

[NebilBuyurgan@missouristate.edu](mailto:NebilBuyurgan@missouristate.edu)

### Program description

The Certificate for Project Management provides a 12 hour graduate-level experience with application in such diverse industries and organizations as defense, construction, pharmaceuticals, chemicals, banking, hospitals, accounting, advertising, law, state and local governments. 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. The project management approach adapts special management techniques with the purpose of obtaining better control and use of existing resources.

### Entrance criteria

To be considered for the program, a student must apply and be admitted to the Graduate College.

### Required courses

Course Code	Course Title	Credit Hours
<a href="#">TCM 701</a>	Project Management	3 hrs
<a href="#">TCM 645</a>	Project Control Systems	3 hrs
Plus two of the following:		
<a href="#">TCM 611</a>	Product Design and Development	3 hrs
<a href="#">TCM 651</a>	Cost Analysis for Project Management	3 hrs
<a href="#">TCM 710</a>	Project Leadership	3 hrs
<a href="#">TCM 740</a>	Management of Innovation and Technology	3 hrs

Recommended sequence: TCM 701, two electives, TCM 645.

### **GPA requirements**

Students must attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.

# College of Education

## Programs

✚Includes accelerated master's option

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### Master's programs

[Child Life Studies](#) (MS)

[Counseling](#) (MS)

[Early Childhood and Family Development](#) (MS) ✚

[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)

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### Specialist programs

[Counseling and Assessment](#) (EdS)

[Educational Administration](#) (EdS)

[Teacher Leadership](#) (EdS)

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### Doctoral programs

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

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### Certificates

[Autism Spectrum Disorders](#) (Certificate)

[Orientation and Mobility](#) (Certificate)

[Conservation Education](#) (Certificate)

[Special Education Director](#) (Certificate)

[Educational Technology](#) (Certificate)

[Teacher Leadership](#) (Certificate)

[Elementary Mathematics Specialist](#) (Certificate)

[Teaching and Learning](#) (Certificate)

[Literacy](#) (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 cycle of MSU graduates becoming teachers of future teachers has repeated itself many times over the past one hundred years.

## Contact

### Dean

[David Hough](#)

### Associate Dean

[Gilbert Brown](#)

[James Sottile](#)

### Office

Hill Hall, Room 304

### Phone

417-836-5254

### Fax

417-836-4884

# Department of Childhood Education and Family Studies

## Programs

✚Includes accelerated master's option

### Master's programs

[Child Life Studies](#) (MS)

[Secondary Education: Family and Consumer](#)

[Early Childhood and Family Development](#) (MS)✚

[Sciences Area of Emphasis](#) (MSEd)

[Elementary Education](#) (MSEd)✚

### Certificates

[Conservation Education](#) (Certificate)

[Elementary Mathematics Specialist](#) (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

## Contact

### Department head

Denise Cunningham

### Office

Hill Hall, Room 300

### Phone

417-836-3262

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 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.

### Fax

417-836-8900

### Email

[CEFS@missouristate.edu](mailto:CEFS@missouristate.edu)

### Website

[education.missouristate.edu/cefs](http://education.missouristate.edu/cefs)

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 post baccalaureate 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.

# Childhood Education and Family Studies Graduate Faculty

## Professors

[Sabrina A. Brinson](#)

[David W. Brown](#)

[Denise D. Cunningham](#)

[Cynthia K. Hail](#)

[James A. Meyer](#)

## Associate professors

[Joanna J. Cemore Brigden](#)

[Diana Piccolo](#)

[Joan Test](#)

## Clinical assistant professor

[Gina Wood](#)

## Per course instructors

Jane F. Pyle

## Emeritus professors

[Roberta J. Aram](#)

Haldon D. Funk

Suzanne George

John M. Hail

[Mary Beth Mann](#)

John F. Newport

[Peggy S. Pearl](#)

J. Rondo Pope

[Dale G. Range](#)

Barbara A. Sperling

[Roger N. Tipling](#)



# 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. May be repeated to a total of 6 hours when topics change. Variable content course. May be taught concurrently with CFD 500. Cannot receive credit for both CFD 500 and CFD 600.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### CFD 610 Child Life Theory and Practice

This course examines concepts and principles of the child life profession. Students will strengthen their theoretical knowledge and clinical skills to prepare themselves for supporting children and their families in the healthcare setting in ways that promote optimal coping and development. May be taught concurrently with CFD 510. Cannot receive credit for both CFD 610 and CFD 510.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

### 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

### 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:** 1 **Lecture contact hours:** 1

**Lab contact hours:** 0

**Typically offered:** Fall, Spring  
[Projected offerings](#)

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Family Care Safety

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CFD 750 Advanced Human Development Studies**

Analysis of theories and trends in human development.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

Registry required. May be taught concurrently with CFD 560. Cannot receive credit for both CFD 560 and CFD 660.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## **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.

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CFD 775 Parent and Child Relations**

This course examines relevant theories and current research in parent-child relationships across the life span.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CLS 790 Practicum in Child Life**

*Prerequisite: permission of Child Life Studies Program Director.*

Students carry out play activities; supervise

Information on how disease affects a child and family's behavioral, social and emotional development and coping strategies.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **CLS 798 Proposal Development for Child Life Thesis**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

*Prerequisite: SFR 780.*

Students will prepare a proposal for their thesis paper. Information and guidance completing Human Subjects Review will be provided.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

## **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

### **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: 3 Lecture contact hours: 3**

concurrently with ECE 501. Cannot receive credit for both ECE 501 and ECE 601.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ECE 729 Literacy in Early Childhood**

Develops awareness of and support for children's literacy knowledge as it grows 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

ISSUES.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ECE 727 Children and Families in a Diverse Society**

Examination of diverse cultures in American

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ECE 771 Proposal Development**

*Prerequisite: ECE 725 and SFR780.*

Development of proposal for seminar paper.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

Proposal must be approved prior to data collection. Human subjects review will also be completed.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **EEM 606 Orientation for Intensive Language**

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

**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: 1 Lecture contact hours: 1****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**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: 4 Lecture contact hours: 3****Lab contact hours: 2****Typically offered:** Summer[Projected offerings](#)**EEM 608 Post-Travel Seminar for Intensive**

576. Cannot receive credit for both EEM 576 and EEM 676.

**Credit hours: 1-5 Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall, Spring[Projected offerings](#)**EEM 721 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education I***Prerequisite: EEM 720.*

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.

## 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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

## 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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

## EEM 722 Curriculum Planning, Instruction and Assessment in Gifted and Talented Education II

*Prerequisite: EEM 720 and EEM 721.*

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; and incorporates theory to practice experience through a 30 clock hour practicum in an area gifted and talented classroom.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

## EEM 723 Learning Environments and Collaborations in Gifted and Talented Education

*Prerequisite: EEM 720 and EEM 721 and EEM 722.*

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

**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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

field of Gifted and Talented education will be examined and practiced.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**EEM 799 Thesis**

*Prerequisite: ELE 711 and SFR 780 and permission.*

May be repeated to a maximum of 6 hours credit.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**Elementary Education (ELE) courses**

**ELE 600 Current Issues and Applications in**

**ELE 721 Standards-Based Integrated**

## 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. Supplemental course fee.

**Credit hours:** 3-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

## 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

## 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall  
[Projected offerings](#)

## 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 differentiated 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 make judicious and reflective decisions while teaching.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring  
[Projected offerings](#)

## ELE 725 The Emerging Master Teacher

*Prerequisite: minimum GPA of 3.00 in the last 60 hours.*

in lesson planning. Course limited to certification students only.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

*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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ELE 736 Foundations of Mathematical Leadership I for Elementary Mathematics Specialists**

*Prerequisite: admission to the Elementary Mathematics Specialist Program; and two years of*

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

*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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**



[Projected offerings](#)**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring, Summer

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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.

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **ELE 717 Advanced Theory and Practice in the**

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (odd-numbered years)

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

[Projected offerings](#)

## 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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall (odd-numbered years), Spring (even-numbered years)

[Projected offerings](#)

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (odd-numbered years), Spring (even-numbered years)

[Projected offerings](#)

## 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### FCS 602 Study Tour

Study of and/or visits to mills, factories, stores, museums, hospitals, laboratories, design studios and/or trade markets. Supplemental course fee (variable by section). May be taught concurrently with FCS 502. Cannot receive credit for both FCS 502 and FCS 602.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### FCS 607 Student Organizations in Family and Consumer Sciences

### 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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Fall

[Projected offerings](#)

### 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.

*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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 4   Lecture contact hours: 0**

**Lab contact hours: 8**

**Typically offered:** Upon demand

[Projected offerings](#)

# Child Life Studies

## Graduate programs

### Master of Science, Child Life Studies

**Brittany Wittenberg, Program Coordinator**

Hill Hall, Room 121; Phone 417-836-3262

[BMWittenberg@MissouriState.edu](mailto:BMWittenberg@MissouriState.edu)

### Program description

The Master of Science 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.

### Admission requirements

Advanced program admission requires the following minimum requirements:

1. A 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.
2. A cumulative undergraduate grade point average of 3.00 or higher.
3. A Graduate Record Examination (GRE) COMBINED score (Verbal and Quantitative) of 290 or higher with results from the GRE provided prior to the student's registration for more than 9 hours.
4. 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.

5. Students must meet the requirements for admission to the Graduate College as stated in the Admission to Graduate Study section of the Graduate Catalog.

Standard program admission requires the following minimum requirements:

1. A bachelor's degree with no emphasis or minor in Child Life Studies.
2. A cumulative undergraduate grade point average of 3.00 or higher.
3. A Graduate Record Examination (GRE) COMBINED score (Verbal and Quantitative) of 290 or higher with results from the GRE provided prior to the student's registration for more than 9 hours.
4. 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.
5. Students must meet the requirements for admission to the Graduate College as stated in the Admission to Graduate Study section of the Graduate Catalog.
6. A minimum of 100 documented volunteer hours working with children or youth in a health care facility.
7. Any necessary undergraduate prerequisites for graduate coursework.

### **Program admission procedure**

Following admission to graduate study and prior to completion of 9 hours of graduate level coursework at Missouri State University, the candidate must submit the following to the Graduate Coordinator of the Child Life program:

1. A separate application with the following materials:
  - A letter of intent containing professional goals, future plans, background information, and professional experiences.
  - Submission of two letters of recommendation from professionals familiar with the candidate's academic abilities and potential.
  - Documentation of a minimum of 100 hours working with children or youth in a health care facility (for Standard program).
  - Completion of any required prerequisite courses or permission from the Graduate Coordinator



## of the Child Life Program (for Standard program).

2. Students may transfer in no more than 6 credit hours which must be approved by the Graduate Coordinator.

## Degree requirements (34 or 43 hours)

### Advanced Program – 34 hours

Course	Title	Credit Hours
<a href="#"><u>CFD 750</u></a>	Advanced Human Development Studies	3 hrs
<a href="#"><u>CFD 761</u></a>	Advanced Family Theory	3 hrs
<a href="#"><u>ECE 727</u></a>	Children and Families in a Diverse Society	3 hrs
<a href="#"><u>CLS 720</u></a>	Trends and Issues in Child Life	3 hrs
<a href="#"><u>SWK 743</u></a> OR <a href="#"><u>CFD 663</u></a>	Management & Program Dev. In Human Services Administration of Programs for Children & Families	3 hrs
<a href="#"><u>CLS 790</u></a> OR <a href="#"><u>CLS 795</u></a>	Practicum in Child Life* Child Life Internship**	3 hrs 6 hrs
<a href="#"><u>CLS 798</u></a>	Proposal Development for Child Life Thesis	1 hr
<a href="#"><u>SFR 780</u></a>	Educational Research Methodology	3 hrs
<a href="#"><u>CLS 799</u></a>	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.

Possible electives:

Course	Title	Credit Hours
<a href="#"><u>CLS 705</u></a>	Aspects of Illness and Disease	3 hrs

<a href="#">CLS 710</a>	Childhood Death & Bereavement	3 hrs
<a href="#">CLS 715</a>	Play & Therapeutic Intervention with lab	3 hrs
<a href="#">CFD 662</a>	Prevention of Child Abuse & Neglect	3 hrs
<a href="#">PSY 622</a>	Physiologic Psychology	3 hrs
<a href="#">SWK 696</a>	Health Literacy in the Human Services	3 hrs
<a href="#">SWK 750</a>	Human Behavior & Family Systems	3 hrs

### Standard Program – 43 hours

Course	Title	Credit Hours
<a href="#">CFD 761</a>	Advanced Family Theory	3 hrs
<a href="#">ECE 727</a>	Children and Families in a Diverse Society	3 hrs
<a href="#">CFD 610</a>	Child Life Theory & Practice	3 hrs
<a href="#">CLS 705</a>	Aspects of Illness and Disease	3 hrs
<a href="#">CLS 710</a>	Childhood Death and Bereavement	3 hrs
<a href="#">CLS 715</a>	Play & Therapeutic Intervention with lab	3 hrs
<a href="#">SWK 743</a> OR <a href="#">CFD 663</a>	Management & Program Dev. In Human Services Administration of Programs for Children & Families	3 hrs
<a href="#">CLS 790</a> OR <a href="#">CLS 795</a>	Practicum in Child Life* Child Life Internship**	3 hrs 6 hrs
<a href="#">CLS 798</a>	Proposal Development for Child Life Thesis	1 hr
<a href="#">SFR 780</a>	Educational Research Methodology	3 hrs
<a href="#">CLS 799</a>	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.

Possible electives:

Course	Title	Credit Hours
<a href="#"><u>CLS 720</u></a>	Trends & Issues in Child Life	3 hrs
<a href="#"><u>CFD 662</u></a>	Prevention of Child Abuse & Neglect	3 hrs
<a href="#"><u>CFD 750</u></a>	Advanced Human Development Studies	3 hrs
<a href="#"><u>PSY 622</u></a>	Physiologic Psychology	3 hrs
<a href="#"><u>SWK 750</u></a>	Human Behavior & Family Systems	3 hrs
<a href="#"><u>SWK 696</u></a>	Health Literacy in the Human Services	3 hrs

**Comprehensive Examination.** A comprehensive examination must be passed by the candidate before a degree will be granted.

# Early Childhood and Family Development

## Graduate programs

### Master of Science, Early Childhood and Family Development

**Joan Test, Program Coordinator**

Hill Hall, Room 202A; Phone 417-836-8918

[JoanTest@MissouriState.edu](mailto:JoanTest@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 in all sections as outlined by the Graduate College admission requirements 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 apply for both the Early Childhood

and Family Development program and the Graduate College (refer to the Graduate College, Admission to Graduate Studies, Admission Requirement).

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 to the Early Childhood and Family Development Program.
  - 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

**20 hours**

Course Code	Course Title	Credit Hours
<a href="#"><u>CFD 701</u></a>	Orientation to Early Childhood and Family Development	1 hr
<a href="#"><u>CFD 750</u></a>	Advanced Human Development Studies	3 hrs
<a href="#"><u>ECE 725</u></a>	Inquiry in Early Childhood and Family Development	3 hrs
<a href="#"><u>CFD 761</u></a> or <a href="#"><u>ECE 726</u></a>	Advanced Family Studies or Programming and Policy Issues for Early Childhood Settings	3 hrs 3 hrs
<a href="#"><u>ECE 727</u></a>	Children and Families in a Diverse Society	3 hrs
<a href="#"><u>SFR 780</u></a>	Educational Research Methodology	3 hrs
<a href="#"><u>ECE 771</u></a>	Proposal Development	1 hr

[ECE 762](#)

Seminar in Early Childhood and Family Development

3 hrs

**Elective Courses****12 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:

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#">ECE 601</a>	Home/School/Community Relationships with Young Children and Their Families	3 hrs
<a href="#">ECE 705</a>	Field Experiences in Early Childhood Education	1-3 hrs
<a href="#">ECE 724</a>	Foundations of Early Childhood Education	3 hrs
<a href="#">ECE 728</a>	The Educational Role of Play	3 hrs
<a href="#">ECE 729</a>	Literacy in Early Childhood	3 hrs
<a href="#">ECE 730</a>	Family Literacy	3 hrs
<a href="#">CFD 702</a>	Community Engagement	3 hrs
<a href="#">CFD 632</a>	Family Advocacy	3 hrs
<a href="#">CFD 633</a>	Principles of Family Life Education	4 hrs
<a href="#">CFD 662</a>	Prevention of Child Abuse and Neglect	3 hrs
<a href="#">ELE 713</a>	Advanced Theory and Practice in the Teaching of Communication Arts	3 hrs
<a href="#">ELE 720</a>	Advanced Theory and Practice in Student Assessment and Evaluation	3 hrs
<a href="#">PSY 604</a>	Forensic Child Psychology	3 hrs
<a href="#">PSY 629</a>	Psychological Tests and Measurements	3 hrs
<a href="#">RDG 640</a>	Analysis and Correction of Difficulties in Literacy	3 hrs
<a href="#">RDG 700</a>	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



# Elementary Education

## Graduate programs

### Master of Science in Education, Elementary Education

**Cindy Hail, Program Coordinator**

Hill Hall, Room 123, Phone 417-836-6065

[ckw081@missouristate.edu](mailto:ckw081@missouristate.edu)

#### 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 33 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 MEd in elementary education program. Students must formally apply for admission to a graduate certificate program separately from the admission to the MEd, 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. Applicants who wish to pursue Missouri Department of Elementary and Secondary Education (DESE) certification to teach in grades 1-6 while completing the MEd in elementary education must complete a transcript analysis with the Teacher Certification and Compliance Office before being admitted to the elementary education graduate program. Note: selected courses are available toward certification. See advisor for details.
4. 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**

Following admission to graduate study and prior to the completion of 9 graduate hours of master's degree course work at Missouri State University, the student must submit the following to the Coordinator of the Elementary Graduate Program or the Head of the Childhood Education and Family Studies department to continue in the program.

To be considered for admission to this program, a student must apply to **both** the Department of Childhood Education and Family Studies **and** the Graduate College (refer to the Graduate College, Admission to Graduate Studies, Admission Requirements).

- A. Students must possess a bachelor's degree and must meet the requirements for admission to graduate school as stated under the Admission to Graduate Study section of the Graduate Catalog.
- B. In addition, the following materials must be submitted to the Department of Childhood Education and Family Studies:
  - a. 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.
  - b. 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.

- c. Submission of three 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 33 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 33 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 33 hour program course requirements.

### 1. Required Core Courses - 12 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

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 33 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 Conservation Education - 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 <http://graduate.missouristate.edu/catalog/prog/ConservationEducationCertificate.htm> for details about the Conservation Focus and Certificate Program in Elementary Education.

**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](#), Educational Research Methodology, and [ELE 772](#), 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](#); [CIS 610](#), [626](#), [630](#), [641](#), [720](#); [EDT 777](#); [TCM 710](#); [PSY 718](#); [AGE 608](#)

Visit <http://graduate/missouristate.edu/catalog/prog/EducationalTechnologyCertificate.htm> for details about the Educational Technology Focus and Certificate Program 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 <http://graduate/missouristate.edu/catalog/prog/cert/Literacy.htm> for details about the Literacy Focus and Certificate Program in Elementary Education.

### **Accelerated Master of Science in Education, Elementary Education 6-12 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/MEd 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 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 6-12 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 MEd Master Teacher
- [PSY 703](#) Human Growth and Development
- [SPE 715](#) Foundations in Special Education
- [EDT 650](#) Selection and Utilization of Instructional Technology
- [RDG 640](#) Analyses and Correction of Difficulties in Literacy
- [MID 725](#) Advanced Theory and Practice in the Teaching of Early Adolescents

# Secondary Education: Family and Consumer Sciences Area of Emphasis

## **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](#).

### **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 courses                      **15 hrs**



# Conservation Education

## Graduate programs

### Graduate Certificate in Conservation Education

#### 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 Conservation Education 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, and to use scientific materials and technology in exploring science-related concepts through inquiry-based instructional methods and investigations. The certificate is 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 have a 3.00 grade point average as well as apply and be admitted to the Graduate College. 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 post baccalaureates 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
<a href="#">EEM 616</a>	Nature Unfolds	3 hrs
<a href="#">EEM 617</a>	Nature Unleashed	3 hrs

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<a href="#"><u>EEM 618</u></a>	Project Wet, Wild and Learning Tree	3 hrs
<a href="#"><u>EEM 619</u></a>	Nature Unhooked: CMAE Conserving Missouri's Aquatic Ecosystems	3 hrs

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### **Completion Requirements**

Courses must be completed with a 3.00 GPA for successful completion of certificate.

# Elementary Mathematics Specialist

## Graduate programs

### Graduate Certificate, Elementary Mathematics Specialist

#### Cindy Hail, Certificate Advisor

Hill Hall, Room 123;

Phone (417) 836-6065

[CindyHail@missouristate.edu](mailto:CindyHail@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	Course Title	Credit
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<b>Code</b>		<b>Hours</b>
<u><a href="#">ELE 734</a></u>	Internship in Algebraic Reasoning	1 hr
<u><a href="#">ELE 736</a></u>	Foundations of Mathematical Leadership for EMS	2 hrs
<u><a href="#">ELE 737</a></u>	Math Leadership for Elem Math Specialists (EMS): Influencing & Facilitating Improvements	3 hrs
<u><a href="#">ELE 738</a></u>	Internship in Geometry and Measurement	1 hr
<u><a href="#">MTH 754</a></u>	Algebraic Reasoning for EMS	3 hrs
<u><a href="#">MTH 758</a></u>	Data and Probability for EMS	3 hrs
<u><a href="#">MTH 760</a></u>	Geometry and Measurement for EMS	3 hrs

### Prerequisite Courses

[ELE 730](#), [ELE 732](#), [MTH 750](#) and [MTH 752](#)

### Completion Requirements

Courses must be completed with a 3.00 GPA for successful completion of certificate.

# Department of Counseling, Leadership, and Special Education

## Programs

✦ Includes accelerated master's option

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### Master's programs

[Counseling](#) (MS)

[Special Education](#) (MSEd) ✦

[Educational Administration](#) (MSEd)

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

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### Specialist programs

[Counseling and Assessment](#) (EdS)

[Educational Administration](#) (EdS)

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### Doctoral programs

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

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### Certificates

[Autism Spectrum Disorders](#) (Certificate)

[Special Education Director](#) (Certificate)

[Orientation and Mobility](#) (Certificate)

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## 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

**Department head**

James Satterfield

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Park Central Office Building,  
room 156

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417-836-5392

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[CLSE@missouristate.edu](mailto:CLSE@missouristate.edu)

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# 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](#)

[Paris A. DePaepe](#)

[Linda Garrison-Kane](#)

[Joseph F. Hulgus](#)

[Cynthia J. MacGregor](#)

[Belinda McCarthy](#)

[James Sottile](#)

## Associate professors

[William J. Agnew](#)

[Kim S. Finch](#)

## Assistant professors

[Reesha Adamson](#)

[Megan Boyle](#)

## Adjunct, per course instructors

[Jason D. Anderson](#)

[Denise Baumann](#)

Larry R. Beckett

[Luke Boyer](#)

[Paula D. Brown](#)

Don F. Christensen

Michelle J. Clark

[Ryan DeBoef](#)

Heidi K. Depue

[Earle F. Doman](#)

Judy Doran

Dennis Edwards

Paul Ehesman

[Karla Eslinger](#)

[Robin E. Farris](#)

Cathy Galland

[Diana Garland](#)

Susan Gettys

[Stephen G. Gilbreth](#)

N. Gaye Griffin-Snyder

Robert Paul Maddox II

Taryne Mingo

Denita Siscoe

Michele Smith

Jon Turner

Ximena Uribe-Zarain

## Clinical instructor

Michael Goeringer

## Senior instructor

Marci Dowdy

## Instructors

Amelia Chenoweth

Lyle Q. Foster

James Matthews

Nathaniel Quinn

Shari Scott

Rebecca J. Smotherman

Penni Groves

William B. Hackenwerth

April J. Hawkins

Justin L. Herrell

Neva Hilton

Stephen A. Johnson

Lois M. Jones

Kevin T. Kopp

Kelly R. Lacara

Thomas Lane

Brenda Jo Ledgerwood

Ann Loethen

Pamela Sue Marshall

Nancy McBride

Stacey McKenzie

Patricia D. Orchard

Brady Quirk

Anthony Rossetti

Sally A. Rowe

Kerry B. Sachetta

Steve Seal

Aundrayah Shermer

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

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

# 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### COU 701 Tests and Measurements 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### COU 757 Elementary Group Counseling Through Play

*Prerequisite: admission to Counseling program or permission of instructor; and COU 705 and COU 708 and COU 710 and COU 711 and COU 782.*

Introduction to group therapy methods and techniques appropriate to an elementary school setting. Emphasis is placed upon foundational group therapy skills in general, 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 emphasized.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### COU 765 Research Seminar in Counseling

*Prerequisite: admission to Counseling program; and SFR 780 or COU 794.*

The study, analysis, and discussion of special topics culminating in a substantial written report. Preparation of a Professional Portfolio. Graded

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 703 Mental Health Counseling Foundations and Ethics**

An introduction and overview of the history, philosophy, and function of the counselor in mental health and other community agency settings. Includes an examination of service population characteristics and treatment needs, intervention modalities and approaches, professional identity, and related topics. Includes a significant focus on ethical standards and issues.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 705 Orientation to Personal and Professional Development**

This course is an experience in personal and group encountering and sensitivity. Its purpose is

Pass/Not Pass only.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 707 Human Development and Personality**

Study of child, adolescent and adult psychological development theories, normal adjustment processes, personality structure, and abnormal behavior.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 708 Child Counseling Theories and Techniques**

*Prerequisite: admission to the Counseling program; and COU 702 or COU 703; and COU 705 and COU 710 and COU 711 or departmental permission.*

A consideration of major theories of counseling as they are related to counseling with elementary school-aged children. Emphasis is placed upon the counseling process as it affects the educational, personal, and social adjustment of children.

lecture, discussion, demonstration and role-play will be used.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **COU 781 Secondary School Counseling Internship**

*Prerequisite: admission to Counseling program; and either COU 780 or COU 784; 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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 710 The Helping Relationship**

*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 co-requisite laboratory (COU 711) provides supervised practice in the practical application of those skills in simulated counseling interviews.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 711 The Helping Relationship 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.

hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 10**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Spring

[Projected offerings](#)

### **COU 783 Elementary School Counseling Internship**

*Prerequisite: admission to Counseling program; and COU 782; 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

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 3**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 714 Diversity and Multicultural Issues in Counseling**

*Prerequisite: admission to Counseling program.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

hours. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 10**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

An integrated combination of lecture, case study, and field activities will be used.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 724 Appraisal and Clinical Interviewing**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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,

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 786 School Psychological Examiner Practicum**

*Prerequisite: COU 701 and COU 753 and PSY 720.*

Supervised practicum in the administration and interpretation of individual intelligence tests, formal and informal diagnostic procedures and diagnostic interviewing techniques in an educational or clinical settings. Graded Pass/Not Pass only.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

discussion, demonstration and role-lay lab sessions will be used.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 751 Theories and Techniques of Counseling**

*Prerequisite: admission to Counseling program; and COU 705; and either COU 702 or COU 703 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

evaluation of counseling sessions.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)



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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **COU 756 Group Counseling**

*Prerequisite: admission to Counseling program.*

Acquaints counselors with group counseling theories and techniques. Includes an experiential group component.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**Typically offered:** Upon demand

[Projected offerings](#)

## **COU 794 Introduction to Research in Counseling**

*Prerequisite: admission to Counseling program.*

Introduction to research methods in counseling, including quantitative and qualitative methods, action research, and program evaluation approaches, particularly in service-delivery 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 and prepare them to design and implement sound program evaluations.

**Credit hours: 3   Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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: 1-3   Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **COU 799 Thesis**

Independent research and study connected with preparation of thesis.

**Credit hours: 1-6   Lecture contact hours:**

**Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)

## 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:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Upon demand[Projected offerings](#)

### **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

### **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:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Upon demand[Projected offerings](#)

educational administration.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**EAD 754 State and National School Leadership**

Role and responsibilities of the local, state and federal agencies in school administration.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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,

[Projected offerings](#)**EAD 772 Internship-Onsite-Part 1**

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. Supplemental course fee.

**Credit hours: 1    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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

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: 1-4    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

plans.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EAD 782 Internship-Onsite-Part 2**

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. Supplemental course fee.

**Credit hours: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EAD 783 Internship-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.) Supplemental course fee.

**Credit hours: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

[Projected offerings](#)**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

personnel, school district and board member's legal rights and responsibilities.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand



**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **EAD 799 Thesis**

*Prerequisite: EAD 788 and SFR 780.*

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 1 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours credit.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours:** 1 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

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: 1    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

## **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,

### **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

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: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EDD 905 Leadership Inquiry III**

*Prerequisite: admission to the Doctorate in Educational Leadership program.*

This one hour doctoral level seminar will focus on understanding key concepts and methodologies of data reporting in K-16 organizations and with members of that organization to address problems of practice.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EDD 906 Educational Leadership Inquiry IV**

**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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

*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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**SAE 723 Student Development Theory**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

Introduces the student to student development

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

### **SAE 748 Special Projects: Reflective Moments in Higher Education and Student Affairs**

*Prerequisite: admission to the Student Affairs in Higher Education program.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring, Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

## 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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

concurrently with SPE 504. Cannot receive credit for both SPE 504 and SPE 604.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

proctored. Supplemental course fee. May be taught concurrently with SPE 505. Cannot receive credit for both SPE 505 and SPE 605.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **SPE 607 Services and Diversity in Blindness and Low Vision and Additional Disabilities**

*Prerequisite: permission of instructor.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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

### **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. Supplemental course fee.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 6    Lecture contact hours: 6**

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **SPE 616 Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied Settings**

*Prerequisite: admission to the Special Education*

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 617 Effective Practices in Special Education**

*Prerequisite: SPE 715 and SPE 782 and SPE 792.*

Empirically based teaching practices with emphasis on reading and mathematics foundations to support special needs learners. 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 also 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: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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



**Typically offered:** Fall, Spring

[Projected offerings](#)

**SPE 618 Application of Applied Behavior Analysis and Interventions for Teachers in Applied Settings**

*Prerequisite: SPE 616.*

Focuses on the application of applied behavior analysis principles within school-based settings. Students will complete functional analysis/assessment on children and youth with disabilities and employ science based instruction strategies in school settings. May be taught concurrently with SPE 516. Cannot receive credit for both SPE 516 and SPE 618.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

**SPE 619 Methods of Teaching Students with Learning and Behavioral Disorders**

*Prerequisite: SPE 320 and SPE 345 and SPE 346 and SPE 616; and concurrent enrollment in SPE 620; and Teacher Certification students must be admitted to Teacher Education Program.*

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

course is offered online.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

**SPE 750 Practicum-Visual Impairment**

*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

that promotes increasing achievement levels, improved social development, and inclusion. May be taught concurrently with SPE 519. Cannot receive credit for both SPE 519 and SPE 619.

**Credit hours: 4    Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2    Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 621 Methods of Teaching Individuals with Developmental Disabilities and Other Health Impairments**

*Prerequisite: SPE 345 and SPE 346; and SPE*

working with children with blindness or low vision, under the direction of 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 visual impairments and additional disabilities, including behavior management, instructional planning, and evaluation. Supplemental course fee.

**Credit hours: 3    Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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). Supplemental course fee.

**Credit hours: 3    Lecture contact hours: 0**

**Lab contact hours: 6**

616 or concurrent enrollment; and concurrent enrollment in SPE 622; and Teacher Certification students must be admitted to Teacher Education Program.

Stresses application of theoretical perspectives and research-based methods for individuals with developmental disabilities (i.e., mental retardation autism, Asperger syndrome, 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: 4    Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **SPE 779 Application of Technology in Special Education**

*Prerequisite: admission to the graduate program in 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **SPE 780 Contemporary Issues in Special Education**

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: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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, 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

*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. Historical and current litigation involving children with disabilities will be reviewed and discussed.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **SPE 782 Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities**

*Prerequisite: admission to the graduate program in*

### **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, assessment, and programming for individuals on the Autism Spectrum. Conditions associated with ASD will be examined along with etiology, prevalence, and assessment issues. Students will apply knowledge through review of, and practice with, various norm referenced and informal instruments and rating scales specific to ASD. Emphasis will also be placed on validated programming for ASD. May be taught concurrently with SPE 525. Cannot receive credit for both SPE 525 and SPE 625.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 626 Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders**

*Prerequisite: SPE 616 or SPE 515.*

The evolution of science based practices for students with developmental disabilities and autism spectrum disorders are still emerging within the field of education. The purpose of this course is to train teachers and/or care providers to identify science based practices within applied behavior analysis and apply these principles to students

### *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 of students with learning disabilities, analysis and synthesis of assessment data in clinical staffings, and development of educational programs. Students enrolled in this course should have prior knowledge of assessment including administration, scoring, and interpretation.

**Credit hours: 3    Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

with developmental disabilities and autism spectrum disorders within applied settings. This course will focus on the use of operant behavioral techniques with an emphasis on functional analysis and functional communication training. Students will conduct clinical and school-based assessments and interventions with school age children diagnosed with developmental disabilities and autism spectrum disorders. May be taught concurrently with SPE 526. Cannot receive credit for both SPE 526 and SPE 626.

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **SPE 627 Seminar in Developmental and Sensory Disabilities**

*Prerequisite: SPE 607 or SPE 625 or equivalent.*

This course is designed to provide practitioners with the knowledge and skills to implement research based practices for individuals with developmental disabilities including autism spectrum disorders (ASD). The course will also address issues specific to sensory integration, visual impairments, and significant cognitive delays. Students will examine in depth, approaches and models validated to support present level of performance needs for individuals with a variety of developmental and sensory requirements. Students will complete lecture hours where theoretical perspectives and the detailed components of various treatments are examined. In a corresponding field component, students will implement an applied project that will address the sensory, communication, learning, and social

**Credit hours: 3    Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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

needs of a client who has been identified with multiple developmental delays. Measurement of outcomes specific to treatment plans will be a significant component of the applied activities. May be taught concurrently with SPE 527. Cannot receive credit for both SPE 527 and SPE 627.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **SPE 656 Topical Issues in Special Education**

*Prerequisite: permission of instructor.*

To develop understanding and skills in relevant

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 787 Advanced Behavioral Analysis and Intervention**

*Prerequisite: admission to the graduate program in Special Education; and SPE 780 and SPE 782 and SPE 792; and SPE 784 or SPE 785; and SFR 780.*

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-subject studies as part of a 60 hour field experience.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.*

[Projected offerings](#)

### **SPE 788 Research Seminar in Special Education**

*Prerequisite: admission to the graduate program in Special Education; and SPE 780; and SPE 782 or SPE 783; and SPE 784 or SPE 785; and SFR 780.*

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. Graduate students are expected to complete a 60 hour field experience associated with the summer project.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **SPE 789 Practicum-The Exceptional Child**

*Prerequisite: permission of instructor.*

Student observes, teaches, and/or participates in professional 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. Supplemental course fee.

**Credit hours:** 3 **Lecture contact hours:** 0

**Lab contact hours:** 6

**Typically offered:** Summer



Projected offerings

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

### **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: 1-5 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 791 Clinical Practicum for Special Needs Populations**

*Prerequisite: SPE 625 and SPE 783 and SPE 785; and permission of instructor.*

This course will involve experience in a supervised, clinical setting with individuals diagnosed with various disabilities. Emphasis will be placed on developmental disabilities and challenging behaviors. Students will conduct assessment specific to their credentials and training to include learning assessment, autism specific instruments, and communication assessment. Emphasis will be placed on conducting functional behavioral assessment and utilizing data across domains to develop research based programs. Students will participate in a multidisciplinary assessment model to include families and professionals from a variety of disciplines. Preparation and submission of reports

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring, Summer

[Projected offerings](#)

### **SPE 664 Language Development of Exceptional Students**

*Prerequisite: SPE 715.*

Language development and intervention for exceptional individuals. Language assessment and curriculum development for individuals with disabilities, as well as for individuals who are

that are research based and that are of a high professional quality will be a required course outcome. Supplemental course fee.

**Credit hours:** 1-6 **Lecture contact hours:** 0

**Lab contact hours:** 12

**Typically offered:** Upon demand

[Projected offerings](#)

### **SPE 792 Advanced Diagnosis and Remediation of Students with Disabilities Lab**

*Prerequisite: admission to the graduate program in 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. Supplemental course fee.

**Credit hours:** 2 **Lecture contact hours:** 0

**Lab contact hours:** 4

**Typically offered:** Spring

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

maximum of 6 hours.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Counseling

## Graduate programs

### Master of Science, Counseling

#### Graduate Counseling Faculty:

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#### **Rebecca Smotherman, Practicum/Internship Coordinator, EdS Advisor**

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## Program description

The Counseling program grants the Master of Science degree in Counseling with options in elementary school counseling, secondary school counseling and 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 elementary (EL) and secondary (SE) school counseling option program requirements fulfill the professional counseling course requirements for permanent school counselor certification in the State of Missouri. The mental health (MH) 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 may elect to complete either the ELE or SEC school counseling program and also qualify for LPC licensure by completing additional electives.

Ten components of the Counseling Knowledge Base:

1. **Orientation.** Knowledge of personal attributes (self-understanding) and professional identity and issues.
2. **Foundations.** Knowledge of psychological and educational foundations of the profession.
3. **Assessment.** Competence in measuring, assessing, and diagnosing psychological and educational attributes.
4. **Information.** Knowledge about personal-social and educational-career issues, research and resources.
5. **Facilitation.** Competence in interpersonal communication, counseling, educating, and consulting with individuals and groups.
6. **Intervention.** Competencies in the counseling process.
7. **Diversity.** Knowledge about differences in cultures, competence in working with diverse clients.
8. **Management.** Competence in planning, developing and implementing counseling programs.
9. **Technology.** Knowledge of technological resources and competence in their use.
10. **Ethics.** Knowledge, understanding and practice of ethical standards for the profession.

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.

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, after which 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 within their specified option area.

There are two admission reviews annually, one in the Spring for admission in the Summer/Fall semester; one in the Fall for admission in the Spring semester. Approximately 30-40 new students will be selected for admission each semester, distributed among the three option areas. Students who do not meet the minimum admission standards may still apply, and if ranked highly, may be admitted conditionally, at the discretion of the department.

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: Open to diversity, non-judgmental, comfortable with ambiguity, open to feedback, open to change, self-aware, and empathetic. Though subjective, the small group interview

interactions provide opportunities for this assessment.

Early in the program, and before 14 hours have been completed, students should submit a completed Program of Study to the department for approval. An advisor will review the student's academic record, performance in the program, and plan of study, and recommend approval of the Program of Study to the Graduate College.

## 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, students must apply for and receive Departmental approval and permission. Upon completion of prerequisites ([COU 705](#), [COU 702](#) or [COU 703](#), [COU 710](#) and [COU 711](#), [COU 714](#), and [COU 708](#) or [COU 751](#)), students may apply for approval to enroll in Practicum ([COU 780](#) or [COU 782](#) or [COU 784](#)). 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 Practicum 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 (<http://education/missouristate.edu/counseling/156387.htm>).

All students are required to complete a 27 hour professional counseling core. 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 Elementary School Counseling option requirements, and add one course ([COU 781](#)), which may be completed during or after the masters degree program itself. School Counseling option students who also wish to be eligible for national NBCC counselor certification and Missouri LPC licensure should add [COU 785](#) Internship (3) as an elective to their programs.

Total required hours for each option area are:

Elementary School Counseling	48 hrs
Secondary School Counseling	48 hrs
Mental Health Counseling	60 hrs

## Counseling Core

Course Code	Course Title	Credit Hours
<a href="#"><u>COU 701</u></a>	Tests and Measurements for Counselors	3 hrs
<a href="#"><u>COU 705</u></a>	Orientation to Personal and Professional Development	3 hrs
<a href="#"><u>COU 707</u></a>	Human Development and Personality	3 hrs
<a href="#"><u>COU 710</u></a>	The Helping Relationship	2 hrs
<a href="#"><u>COU 711</u></a>	The Helping Relationship Lab	1 hr
<a href="#"><u>COU 714</u></a>	Diversity and Multicultural Issues in Counseling	3 hrs
<a href="#"><u>COU 752</u></a>	Career Development	3 hrs
<a href="#"><u>COU 756</u></a> or <a href="#"><u>COU 757</u></a>	Group Counseling or Elementary Group Counseling Through Play	3 hrs
<a href="#"><u>COU 794</u></a>	Introduction to Research in Counseling	3 hrs
<a href="#"><u>COU 765</u></a>	Research Seminar in Counseling	3 hrs
	<b>Total</b>	<b>27 hrs</b>

## Elementary School Counseling option

Course Code	Course Title	Credit
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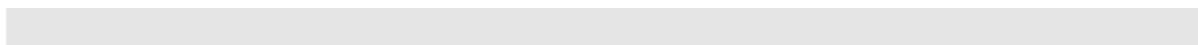


		<b>Hours</b>
Core Credit Hours		27 hrs
<a href="#"><u>COU 702</u></a>	School Counseling Foundations and Ethics	3 hrs
<a href="#"><u>COU 708</u></a>	Child Counseling Theories and Techniques	3 hrs
<a href="#"><u>COU 733</u></a>	Couple and Family Counseling	3 hrs
<a href="#"><u>COU 753</u></a>	Analysis of Childhood Learning and Adjustment	3 hrs
<a href="#"><u>COU 782</u></a>	Elementary School Counseling Practicum	3 hrs
<a href="#"><u>COU 783</u></a>	Elementary School Counseling Internship	6 hrs
<b>Total</b>		<b>48 hrs</b>

### Secondary School Counseling option

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
Core Credit Hours		27 hrs
<a href="#"><u>COU 702</u></a>	School Counseling Foundations and Ethics	3 hrs
<a href="#"><u>COU 724</u></a>	Appraisal and Clinical Interviewing	3 hrs
<a href="#"><u>COU 733</u></a>	Couple and Family Counseling	3 hrs
<a href="#"><u>COU 751</u></a>	Theories and Techniques of Counseling	3 hrs
<a href="#"><u>COU 780</u></a>	Secondary School Counseling Practicum	3 hrs
<a href="#"><u>COU 781</u></a>	Secondary School Counseling Internship	6 hrs
<b>Total</b>		<b>48 hrs</b>

### Mental Health Counseling option



Course Code	Course Title	Credit Hours
	Core Credit Hours	27 hrs
<a href="#"><u>COU 703</u></a>	Mental Health Counseling Foundations and Ethics	3 hrs
<a href="#"><u>COU 724</u></a>	Appraisal and Clinical Interviewing	3 hrs
<a href="#"><u>COU 733</u></a>	Couple and Family Counseling	3 hrs
<a href="#"><u>COU 751</u></a>	Theories and Techniques of Counseling	3 hrs
<a href="#"><u>COU 784</u></a>	Mental Health Counseling Practicum	3 hrs
<a href="#"><u>COU 785</u></a>	Mental Health Counseling Internship	6 hrs
	Electives	12 hrs
	<b>Total</b>	<b>60 hrs</b>

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 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 comps, when the portfolio will be assembled and submitted to the student's advisor for approval.

### 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 8 content areas 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.

# Educational Administration

## Graduate programs

### Master of Science in Education, Educational Administration

#### Graduate Educational Administration Faculty (MSEd Programs)

##### **Kim Finch, MSEd and EdS Program Coordinator**

Park Central Office Building, Room 115

Phone 417-836-5192; [KimFinch@missouristate.edu](mailto:KimFinch@missouristate.edu)

##### **William Agnew**

Park Central Office Building, Room 118

Phone 417-836-5554; [WAgnew@missouristate.edu](mailto:WAgnew@missouristate.edu)

##### **William Agnew**

Park Central Office Building, Room 118

Phone 417-836-5554; [WAgnew@missouristate.edu](mailto:WAgnew@missouristate.edu)

##### **Bret Cormier**

Park Central Office Building, Room 135

Phone 417-836-4918; [bcormier@missouristate.edu](mailto:bcormier@missouristate.edu)

##### **Cynthia MacGregor, Ed.D. Program Coordinator**

Park Central Office Building, Room 120

Phone 417-836-6046; [CMacgregor@missouristate.edu](mailto:CMacgregor@missouristate.edu)

##### **Nate Quinn**

Park Central Office Building, Room 116

Phone 417-836-5083; [nquinn@missouristate.edu](mailto:nquinn@missouristate.edu)

##### **Jon S. Turner**

Park Central Office Building, Room 133

Phone 417-836-6518; [jonsturner@missouristate.edu](mailto:jonsturner@missouristate.edu)

## Program admission requirements

Following admission to graduate study and prior to the completion of 9 graduate hours of master's degree course work at Missouri State University, the student must submit the following to the Master's Degree Program Coordinator or Department Head to continue in the program.

1. To be considered for probationary admission to the program, a student must apply to both the Graduate College (refer to the Graduate College, Admission to Graduate Studies, Admission Requirement) and the Educational Administration program.
2. Students must possess a bachelor's degree and must meet the requirements for admission to graduate school as stated under the Admission to Graduate Study section of the Graduate Catalog.

A separate application must be submitted with the following materials to the Education Administration program:

- 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. 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 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.

- e. Earn a 3.50 GPA in the first 12 hours of Educational Administration coursework.
  - f. Schedule a personal interview with the Master's Degree Program Coordinator in Educational Administration.
  - g. Prepare an up-to-date professional resume.
  - h. Access to the internet and an active email address.
3. 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.
  4. 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).

5. 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.

*Required Courses (All Educational Administration courses are taught **Missouri State Direct**, live interactive technology)*

Course Code	Course Title	Credit Hours
<a href="#">EAD 751</a>	Foundations of Educational Leadership	3 hrs
<a href="#">EAD 753</a>	The Elementary School Principal	3 hrs
<a href="#">EAD 780</a>	Administration of Instructional Programs	3 hrs
<a href="#">EAD 781</a>	Organizational Management	3 hrs
<a href="#">EAD 786</a>	School Supervision and Performance Enhancements	3 hrs
<a href="#">EAD 788</a> or <a href="#">SFR 780</a>	Action Research in Educational Leadership or Educational Research Methodology	3 hrs
<a href="#">EAD 759</a>	Leadership Capstone	3 hrs
<a href="#">EAD 787</a>	Administration of Special Programs	3 hrs
<a href="#">EAD 784</a>	Human Relations and Collaborative Processes	3 hrs
<a href="#">EAD 785</a>	Legal and Ethical Contexts of Schooling	3 hrs

<a href="#">EAD 782</a>	Internship-On Site	2 hrs
<a href="#">EAD 783</a>	Internship-Related Agencies	1 hr
<a href="#">EAD 745</a>	Curriculum for Elem Principals OR	3 hrs
<a href="#">ELE 710</a>	Elementary School Curriculum	
<b>Total</b>		<b>36 hrs</b>

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.

*Required Courses (All Educational Administration courses are taught **Missouri State Direct**, live interactive technology)*

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#">EAD 751</a>	Foundations of Educational Leadership	3 hrs
<a href="#">EAD 752</a>	The Secondary School Principal	3 hrs
<a href="#">EAD 780</a>	Administration of Instructional Programs	3 hrs
<a href="#">EAD 781</a>	Organizational Management	3 hrs
<a href="#">EAD 786</a>	School Supervision and Performance Enhancements	3 hrs
<a href="#">EAD 788</a>	Action Research in Educational Leadership	3 hrs
or	or	
<a href="#">SFR 780</a>	Educational Research Methodology	
<a href="#">EAD 759</a>	Leadership Capstone	3 hrs



<a href="#"><u>EAD 787</u></a>	Administration of Special Programs	3 hrs
<a href="#"><u>EAD 784</u></a>	Human Relations and Collaborative Processes	3 hrs
<a href="#"><u>EAD 785</u></a>	Legal and Ethical Contexts of Schooling	3 hrs
<a href="#"><u>EAD 782</u></a>	Internship-On Site	2 hrs
<a href="#"><u>EAD 783</u></a>	Internship-Related Agencies	1 hr
<a href="#"><u>EAD 746</u></a>	Curriculum for Secondary Principals	3 hrs
	OR	
<a href="#"><u>SEC 701</u></a>	Secondary School Curriculum	
	<b>Total</b>	<b>36 hrs</b>

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.

# Special Education

## Graduate programs

### Master of Science in Education, Special Education

#### Special Education Graduate Faculty

**Reesha Adamson**

Park Central Office Building, Room 103; Phone 417-836-6284

[RAdamson@missouristate.edu](mailto:RAdamson@missouristate.edu)

**Paul Ajuwon, Coordinator, BLV Track**

Park Central Office Building, Room 130; Phone 417-836-5397

[PaulAjuwon@missouristate.edu](mailto:PaulAjuwon@missouristate.edu)

**Tamara Arthaud, Coordinator, O&M Track and O&M certificate**

Park Central Office Building, Room 117; Phone 417-836-6951

[TamaraArthaud@missouristate.edu](mailto:TamaraArthaud@missouristate.edu)

**Megan Boyle**

Park Central Office Building, Room 102; Phone 417-836-4140

[mb621@missouristate.edu](mailto:mb621@missouristate.edu)

**Amelia Chenoweth**

Park Central Office Building, Room 100C; Phone 417-836-8466

[Amelia3022@missouristate.edu](mailto:Amelia3022@missouristate.edu)

**Chris Craig, Associate Provost**

Carrington Hall, Room 209; Phone 417-836-4589

[ChrisCraig@missouristate.edu](mailto:ChrisCraig@missouristate.edu)

**Paris DePaepe, Coordinator, SEACT Track**

Park Central Office Building, Room 104; Phone 417-836-4761

[ParisDePaepe@missouristate.edu](mailto:ParisDePaepe@missouristate.edu)

**Linda Garrison-Kane, Coordinator, ASD Track, Accelerated ASD**

Park Central Office Building, Room 101; Phone 417-836-6960

[LGKane@missouristate.edu](mailto:LGKane@missouristate.edu)

### **Michael Goeringer**

Park Central Office Building, Room 100A; Phone 417-836-5897

[MichaelGoeringer@missouristate.edu](mailto:MichaelGoeringer@missouristate.edu)

### **James Matthews**

Park Central Office Building, Room 114; Phone 417-836-5256

[JamesMatthews@missouristate.edu](mailto:JamesMatthews@missouristate.edu)

### **James Sottile, Associate Dean College of Education**

Hill Hall 306B; Phone 417-836-4428

[JamesSottile@missouristate.edu](mailto:JamesSottile@missouristate.edu)

## **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 non degree 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.**

Applicants to the Master of Science in Education, Special Education program (all options) should submit the required three letters of reference (see below for additional information about the required letters of recommendation) and a letter of intent per the application guidelines to:

Lisa Monkres

Counseling, Leadership and Special Education

Park Central Office Building, Room 134

901 S. National Ave

Springfield MO 65897

## 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 complete the graduate school application form and have transcripts showing all previous course work forwarded to the Graduate College. Prior to full admission, all students must submit a letter of intent and 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 who are 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. The letter of intent and letters of recommendation should be submitted to Lisa Monkres, CLSE, 901 S. National Ave, Springfield, MO 65897. The student must have obtained a GPA of 3.0 (on a 4.0 scale) for the last 60 hours of undergraduate course work. **Applicants to the Master of Science in Education, Special Education, should clearly indicate in their letter of intent the master's option area or certificate program to which they are applying.**

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 Taylor Health 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. Additionally, all students who are applying to the SEACT option of the special education master's program must complete the Missouri Educator Profile (MEP). The MEP is a required assessment of the state of Missouri's Department of Elementary and Secondary Education (DESE) and assesses work style preferences and is designed to support the development of effective educator work habits. This assessment is taken by all teacher, counselor, and administrator candidates in a program leading to certification, prior to admission to the program. Please visit <http://www.missouristate.edu/certification/MEP.htm> to carefully read more information on this assessment and to register for the MEP.

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
<u>SFR 780*</u>	Educational Research Methodology	3 hrs
<u>SPE 782*</u> or <u>SPE 783*</u>	Advanced Diagnosis and Remediation of Students with Mild to Moderate Disabilities or Advanced Assessment to Support Individuals with Developmental and Sensory Disabilities	3 hrs
<u>SPE 788</u> or <u>SPE 799</u> or <u>SPE 787</u>	Research Seminar in Special Education or Thesis Option or Advanced Behavioral Analysis and Intervention	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
<a href="#"><u>SPE 605*</u></a>	Braille Reading and Writing I	3 hrs
<a href="#"><u>SPE 606*</u></a>	Principles of Orientation and Mobility	2 hrs
<a href="#"><u>SPE 607*</u></a>	Services and Diversity in Blindness and Low Vision and Additional Disabilities	3 hrs
<a href="#"><u>SPE 608*</u></a>	Low Vision, Anatomy, and Physiology of the Eye	2 hrs
<a href="#"><u>SPE 709*</u></a>	Methods of Teaching Students with Blindness or Low Vision and Multiple Disabilities	3 hrs
<a href="#"><u>SPE 711*</u></a>	Braille Reading and Writing II	3 hrs
<a href="#"><u>SPE 730*</u></a>	Health, Functional, and Psychosocial Aspects of Disabilities	2 hrs
<a href="#"><u>SPE 733*</u></a>	Methods of Teaching Independent Living Skills to Persons with Blindness or Low Vision	3 hrs
<a href="#"><u>SPE 750*</u></a>	Internship: Blindness and Low Vision	3 hrs
<a href="#"><u>SPE 779*</u></a>	Application of Technology In Special Education	3 hrs
<a href="#"><u>SPE 780*</u></a>	Contemporary Issues in Special Education	3 hrs
<b>To Total</b>		<b>39 hours</b>

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 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 Mild to Moderate Disabilities (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
<a href="#"><u>SPE 715</u></a>	Foundations in Special Education	3 hrs
<a href="#"><u>SPE 792</u></a>	Advanced Diagnosis and Remediation of Students with Disabilities Lab	2 hrs
<a href="#"><u>SPE 784</u></a>	Advanced Procedures in Teaching Students with Mild to Moderate Disabilities	3 hrs
<a href="#"><u>SPE 789</u></a>	Practicum-The Exceptional Child	3 hrs
<a href="#"><u>PSY 703</u></a>	Human Growth and Development	3 hrs
<a href="#"><u>SPE 617</u></a>	Effective Practices in Special Education	4 hrs
<a href="#"><u>SPE 780*</u></a>	Contemporary Issues in Special Education	3 hrs
<a href="#"><u>SPE 664</u></a>	Language Development of Exceptional Students	3 hrs
<a href="#"><u>SPE 616</u></a>	Foundations of Behavioral Analysis and Interventions in Applied Settings	3 hrs
<a href="#"><u>SPE 613*</u></a>	Physical and Health Needs of Students With Disabilities	3 hrs
<a href="#"><u>SFR 750</u></a>	Philosophies of Education	3 hrs
<a href="#"><u>RDG 660</u></a>	Diversity Issues in Literacy and Content Area Instruction	2 hrs

**To Total****44 hours**

\* Offered via internet or alternative delivery system based on availability.

## Orientation and Mobility Option

### NOT ACCEPTING APPLICATIONS AT THIS TIME

The MSED 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
<a href="#"><u>SPE 605*</u></a>	Braille Reading and Writing I	3 hrs
<a href="#"><u>SPE 606*</u></a>	Principles of Orientation and Mobility	2 hrs
<a href="#"><u>SPE 607*</u></a>	Services and Diversity in Blindness and Low Vision and Additional Disabilities	3 hrs
<a href="#"><u>SPE 608*</u></a>	Low Vision, Anatomy, and Physiology of the Eye	2 hrs
<a href="#"><u>SPE 712</u></a>	Instructional Techniques and Strategies of Orientation and Mobility	6 hrs
<a href="#"><u>SPE 714*</u></a>	Professional Issues and Assessment Related to Orientation and Mobility with Diverse Populations	3 hrs
<a href="#"><u>SPE 730</u></a>	Health, Functional, and Psychosocial Aspects of Disabilities	2 hrs



<b>SPE 760</b>	Internship in Orientation and Mobility	3 hrs
<b><u>SPE 780*</u></b>	Contemporary Issues in Special Education	3 hrs
<b>To Total</b>		<b>36 hours</b>

\* 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
<b><u>SPE 607*</u></b>	Introduction to Visual Impairments, Autism and Severe/Multiple Disabilities	3 hrs
<b><u>SPE 626</u></b>	Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders	3 hrs
<b><u>SPE 625</u></b>	Introduction to Teaching and Assessing Students with Autism Spectrum Disorders	3 hrs
<b><u>PSY 703</u></b>	Human Growth and Development	3 hrs

<a href="#">KIN 645</a>	Perceptual and Motor Development	3 hrs
<a href="#">SPE 613*</a>	Physical and Health Needs of Students with Disabilities	3 hrs
<a href="#">CSD 732**</a>	Speech and Language Assessment and Treatment for Special Populations	3 hrs
<a href="#">CSD 733**</a>	Introduction to Augmentative & Alternative Communication	3 hrs
<a href="#">SPE 623</a>	Curriculum and Methods in Early Childhood Special Education	3 hrs
<a href="#">SPE 627</a>	Seminar in Developmental and Sensory Disabilities	3 hrs
<a href="#">SPE 785</a>	Advanced Procedures in Developmental Disabilities	3 hrs
<a href="#">SPE 791</a>	Clinical Practicum for Special Needs Populations	6 hrs
<b>Total Hours</b>		<b>48 hours</b>

Students who have not completed an equivalent foundation requirement will also need to take [SPE 715](#), 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](#) or an equivalent course in language development for the exceptional child is required prior to enrollment in [CSD 733](#) or [CSD 732](#).

## 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
<a href="#">SPE 780*</a>	Contemporary Issues in Special Education	3 hrs
<a href="#">SPE 625</a>	Introduction to Teaching and Assessing Students with Autism Spectrum Disorders	3 hrs
<a href="#">SPE 791</a>	Clinical Practicum for Special Needs Populations	4 hrs

<a href="#">SPE 627</a>	Seminar in Developmental and Sensory Disabilities	3 hrs
<a href="#">SPE 626</a>	Applied Behavioral Analysis for Developmental Disabilities and Autism Spectrum Disorders	3 hrs
<a href="#">CSD 733</a>	Introduction to Augmentative and Alternative Communication	2 hrs
	Electives	9 hrs
	<b>Total</b>	<b>36 hours</b>

\* Offered via internet or alternative delivery system based on availability.

### **Accelerated Master's Degree Option - MEd, Special Education, Autism Spectrum Disorders Option**

Before enrolling in a course to be counted as both undergraduate and graduate credit and to count a course toward the masters degree, a special education undergraduate student must be accepted into the accelerated program and receive prior approval from the Graduate Program Advisor, the 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 for the Accelerated option:**

1. Junior standing, with an overall GPA of 3.00 or better;
2. Admission to Teacher Education;
3. Completion of SPE 345 (Educational Evaluation of Exceptional Students) and SPE 346 (Educational Evaluation of Exceptional Students Lab); and
4. Acceptance of the applicant by the graduate faculty in Special Education under the accelerated masters option

#### **Mixed Credit Course 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:

- [SPE 613](#), Physical and Health Needs of Students with Disabilities (would be designated as an elective for BSED)
- [SPE 616](#), Foundations of Applied Behavior Analysis and Interventions for Teachers in Applied

## Settings

- [SPE 621](#), Methods of Teaching Individuals with Developmental Disabilities and Other Health Impairments
- [SPE 622](#), Practicum-Instruction of Students with Developmental Disabilities and Other Health Impairments
- [SPE 626](#), Applied Behavior Analysis for Developmental Disabilities and Autism Spectrum Disorders
- [SPE 664](#), Language Development of Exceptional Students
- [SPE 650](#), Career/Vocational Education and Transition
- [SPE 660](#), Working with Families of Exceptional Individuals
- [SPE 779](#), Application of Technology in Special Education (would be designated as an elective for BSED)

# Student Affairs in Higher Education

## Graduate programs

### Master of Science, Student Affairs in Higher Education

#### O. Gilbert Brown, Program Director

Hill Hall, Room 300A; Phone 417-836-6656

[gjj1954@missouristate.edu](mailto:gjj1954@missouristate.edu)

<http://education.missouristate.edu/edadmin/MSEDSA.htm>

#### Michele Smith

Hill Hall, Room 432; Phone 417-836-8986

[MDSmith@missouristate.edu](mailto:MDSmith@missouristate.edu)

#### Belinda McCarthy

Hill Hall, Room 438; Phone 417-836-5223

[BelindaMcCarthy@missouristate.edu](mailto:BelindaMcCarthy@missouristate.edu)

## 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 21<sup>st</sup> Century.

## Program admission requirements

To be considered for admission to the program, a student must apply to both the Student Affairs program and the Graduate College (refer to the Graduate College, Admission to Graduate Studies, Admission Requirements).

In addition to the Graduate College admission requirements, the Student Affairs program requires the following:

1. 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.

2. A GRE (Graduate Record Examination) score of 290 combined on the verbal and quantitative (875 under the old scoring system before August 1, 2011).
3. A written "Statement of Purpose" containing long-term professional or personal goals, a statement regarding how this degree will contribute to the applicant's long-term goals (minimum of 300 words) and an indication of what has been done to prepare for this profession.
4. Submission of three "Applicant Reference Forms" available online, or from the Departmental office (417-836-5392);
5. Completion of the "Technology Skills Checklist" available online or from the Departmental office.
6. Access to the Internet and an active e-mail address.

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.

Candidates who meet the Graduate College minimum requirements will be placed in the pool from which applicants will be selected. Prospective students' applications will be reviewed on an ongoing basis. Early submission by February 1 may enhance an applicant's opportunities to obtain a graduate assistantship position. Credential review will continue until the available spaces are filled.

## 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
<a href="#"><u>SAE 721</u></a>	Introduction to Student Affairs	3 hrs
<a href="#"><u>SAE 723</u></a>	Student Development Theory	3 hrs
<a href="#"><u>SAE 726</u></a>	Higher Education in the United States	3 hrs
<a href="#"><u>SAE 729</u></a>	Foundations of Research	3 hrs
<a href="#"><u>SAE 732</u></a>	Leadership and Administration in Higher Education	3 hrs
<a href="#"><u>SAE 735</u></a>	Governance and Finance in Higher Education	3 hrs
<a href="#"><u>SAE 738</u></a>	Legal and Ethical Issues in Student Affairs	3 hrs
<a href="#"><u>SAE 747</u></a> or <a href="#"><u>SAE 748*</u></a>	Supervised Practice or Special Projects: Reflective Moments in Higher Education and Student Affairs	6 hrs
<a href="#"><u>SAE 749</u></a>	Student Outcomes	3 hrs

<u>SAE</u> <u>766</u>	Research Methods and Data Analysis	3 hrs
<u>SAE</u> <u>767</u>	Assessment and Evaluation	3 hrs
<u>SAE</u> <u>771</u>	Capstone Seminar	3 hrs
<u>SAE</u> <u>727</u>	Creating Inclusive Campus Environmments	3 hrs
<u>SAE</u> <u>728</u>	Individual & Group Support Skills	3 hrs
<b>Total</b>		<b>45 hrs</b>

\*Full time employees at Missouri State University or area institutions may substitute this class to meet their Supervised Practice requirement for their degree.



# University of Missouri - Columbia Cooperative Doctorate in Educational Leadership

## 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 1<sup>st</sup> 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.

# Educational Administration

## Graduate programs

### Specialist in Education, Educational Administration

#### Graduate Educational Administration Faculty (EdS Programs)

**Kim Finch, MEd and EdS Program Coordinator**

Park Central Office Building, Room 115

Phone 417-836-5192; [KimFinch@missouristate.edu](mailto:KimFinch@missouristate.edu)

**William Agnew**

Park Central Office Building, Room 118

Phone 417-836-5554; [WAgnew@missouristate.edu](mailto:WAgnew@missouristate.edu)

**Bret Cormier**

Park Central Office Building, Room 135

Phone 417-836-4918; [bcormier@missouristate.edu](mailto:bcormier@missouristate.edu)

**Cynthia MacGregor, Ed.D. Program Coordinator**

Park Central Office Building, Room 120

Phone 417-836-6046; [CMacgregor@missouristate.edu](mailto:CMacgregor@missouristate.edu)

**Nate Quinn**

Park Central Office Building, Room 116

Phone 417-836-5083; [nquinn@missouristate.edu](mailto:nquinn@missouristate.edu)

**Jon S. Turner**

Park Central Office Building, Room 133

Phone 417-836-6518; [jonsturner@missouristate.edu](mailto:jonsturner@missouristate.edu)

### Program Admission Requirements

Following admission to graduate study and prior to the completion of 12 graduate hours of specialist degree course work at Missouri State University, the student must complete the following to continue in the program.

1. To be considered for probationary admission to this program, a student must apply to both the Graduate College (refer to the Graduate College, Admission to Graduate Studies, Admission Requirements) and the Education Administration program.
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. A separate application must be submitted with the following materials to the Specialist Degree Program Coordinator or Department head:
  - 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 e-mail 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 61-64 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. A minimum of two years supervisory and/or teaching experience.
4. **Research.** A minimum of three semester hours field study assignment.
5. **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.
6. **Transfer Credit.** A maximum of 12 semester hours of graduate credit beyond the master's degree or a total of 48 hours may be accepted toward the 61-64 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.

7. The last 32 hours of course work for the degree must be completed within a period of 8 years. Any credit more than 10 years old may be appealed to the Graduate College.

### Specialist in Education, Educational Administration (Elementary Principal)

#### NOT ACCEPTING APPLICATIONS AT THIS TIME

#### 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 700-level courses 30 hrs** (Add Educational Administration courses are taught **Missouri State Direct**, live interactive technology)

Course Code	Course Title	Credit Hours
<a href="#"><u>EAD 751</u></a>	Foundations of Educational Leadership	3 hrs
<a href="#"><u>EAD 753</u></a>	The Elementary School Principal	3 hrs
<a href="#"><u>EAD 780</u></a>	Administration of Instructional Programs	3 hrs
<a href="#"><u>EAD 781</u></a>	Organizational Management	3 hrs
<a href="#"><u>EAD 772</u></a>	Internship- On Site - Part 1	1 hr
<a href="#"><u>EAD 782</u></a>	Internship-On Site - Part 2	1 hr
<a href="#"><u>EAD 783</u></a>	Internship-Related Agencies	1 hrs
<a href="#"><u>EAD 784</u></a>	Multicultural Issues Involving Human Relations and Collaborative Processes	3 hrs
<a href="#"><u>EAD 785</u></a>	Legal and Ethical Contexts of Schooling	3 hrs
<a href="#"><u>EAD 786</u></a>	School Supervision and Performance Enhancements	3 hrs
<a href="#"><u>EAD 787</u></a>	Administration of Special Programs	3 hrs

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<a href="#"><u>EAD 745</u></a>	Curriculum for Elementary Principals	3 hrs
	OR	
<a href="#"><u>ELE 710</u></a>	Elementary School Curriculum	

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**Advanced Level Courses (hours must include the following 2 courses and Advisor-approval for remaining 12 hours) 18 hrs**

Course Code	Course Title	Credit Hours
<a href="#"><u>EAD 861</u></a>	Human Relations	3 hrs
<a href="#"><u>EAD 863</u></a>	Curriculum Design and Evaluation	3 hrs

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**Research Sequence 9 hrs**

Course Code	Course Title	Credit Hours
<a href="#"><u>EAD 788</u></a>	Action Research in Educational Leadership	3 hrs
or	or	
<a href="#"><u>SFR 780</u></a>	Educational Research Methodology	
<a href="#"><u>EAD 895</u></a>	Research in Administrative Practices	3 hrs
or	or	
<a href="#"><u>SFR 890</u></a>	Field Research and Evaluation	
<a href="#"><u>EAD 860</u></a>	Field Study	3 hrs
	Special Topics ( <a href="#"><u>EAD 870</u></a> or other courses with Advisor approval)	4 hrs
	<b>Total (Minimum)</b>	<b>61 hrs</b>

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**Specialist in Education, Educational Administration (Secondary Principal)**

**NOT ACCEPTING APPLICATIONS AT THIS TIME**

*Program Description*

The program 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 is required.

**Required 700-level courses - 30 hours** (Add Educational Administration courses are taught **Missouri State Direct**, live interactive technology)

Course Code	Course Title	Credit Hours
<a href="#"><u>EAD 751</u></a>	Foundations of Educational Leadership	3 hrs
<a href="#"><u>EAD 752</u></a>	The Secondary School Principal	3 hrs
<a href="#"><u>EAD 780</u></a>	Administration of Instructional Programs	3 hrs
<a href="#"><u>EAD 781</u></a>	Organizational Management	3 hrs
<a href="#"><u>EAD 772</u></a>	Internship- On Site - Part 1	1 hr
<a href="#"><u>EAD 782</u></a>	Internship-On Site - Part 2	1 hr
<a href="#"><u>EAD 783</u></a>	Internship-Related Agencies	1 hr
<a href="#"><u>EAD 784</u></a>	Multicultural Issues Involving Human Relations and Collaborative Processes	3 hrs
<a href="#"><u>EAD 785</u></a>	Legal and Ethical Contexts of Schooling	3 hrs
<a href="#"><u>EAD 786</u></a>	School Supervision and Performance Enhancements	3 hrs
<a href="#"><u>EAD 787</u></a>	Administration of Special Programs	3 hrs
<a href="#"><u>EAD 746</u></a>	Curriculum for Secondary Principals OR Secondary School Curriculum	3 hrs
<a href="#"><u>SEC 701</u></a>		

**Advanced Level Courses (hours must include the following 2 courses and advisor approval for the remaining 12 hours) 18 hours**

Course Code	Course Title	Credit Hours
<a href="#">EAD 861</a>	Human Relations	3 hrs
<a href="#">EAD 863</a>	Curriculum Design and Evaluation	3 hrs

**Research Sequence 9 hours**

Course Code	Course Title	Credit Hours
<a href="#">EAD 788</a>	Action Research in Educational Leadership	3 hrs
or	or	
<a href="#">SFR 780</a>	Educational Research Methodology	
<a href="#">EAD 895</a>	Research in Administrative Practices	3 hrs
or	or	
<a href="#">SFR 890</a>	Field Research and Evaluation	
<a href="#">EAD 860</a>	Field Study	3 hrs
	Special Topics ( <a href="#">EAD 870</a> or other courses with Advisor approval)	4 hrs
<b>Total (Minimum)</b>		<b>61 hrs</b>

**Specialist in Education, Educational Administration (Superintendent)**

*Program Description*

The program 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 is required.

**Required 700-level courses - 30 hrs** (Add Educational Administration courses are taught **Missouri**



**State Direct, live interactive technology)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>EAD 751</u></a>	Foundations of Educational Leadership	3 hrs
<a href="#"><u>EAD 752</u></a> OR <a href="#"><u>EAD 753</u></a>	The Secondary School Principal OR The Elementary Principal	3 hrs
<a href="#"><u>EAD 780</u></a>	Administration of Instructional Programs	3 hrs
<a href="#"><u>EAD 781</u></a>	Organizational Management	3 hrs
<a href="#"><u>EAD 772</u></a>	Internship - On Site - Part 1	1 hr
<a href="#"><u>EAD 782</u></a>	Internship-On Site - Part 2	1 hr
<a href="#"><u>EAD 783</u></a>	Internship-Related Agencies	1 hr
<a href="#"><u>EAD 784</u></a>	Multiculture Issues Involving Human Relations and Collaborative Processes	3 hrs
<a href="#"><u>EAD 785</u></a>	Legal and Ethical Contexts of Schooling	3 hrs
<a href="#"><u>EAD 786</u></a>	School Supervision and Performance Enhancements	3 hrs
<a href="#"><u>EAD 787</u></a>	Administration of Special Programs	3 hrs
<a href="#"><u>EAD 746/</u></a> <a href="#"><u>SEC 701</u></a> or <a href="#"><u>EAD 745/</u></a> <a href="#"><u>ELE 710</u></a>	Curriculum for Secondary Principals/ Secondary School Curriculum or Curriculum for Elementary Principals/ Elementary School Curriculum	3 hrs

**Advanced Level Courses (Advisor approval required) - 26 hrs**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>EAD 850</u></a>	Politics of Education	3 hrs

<a href="#">EAD 858</a>	School Personnel	3 hrs
<a href="#">EAD 862</a>	The Superintendency	3 hrs
<a href="#">EAD 863</a>	Curriculum Design and Evaluation	3 hrs
<a href="#">EAD 864</a>	Diversity and Community Relations	3 hrs
<a href="#">EAD 865</a>	School Law	3 hrs
<a href="#">EAD 866</a>	Public School Finance	3 hrs
<a href="#">EAD 867</a>	School Plant Planning and Maintenance	3 hrs
<a href="#">EAD 882</a>	Superintendency Internship - Part 1	1 hr
<a href="#">EAD 883</a>	Superintendency Internship - Part 2	1 hr

### Research Sequence - 8-9 hrs

Course Code	Course Title	Credit Hours
<a href="#">EAD 788</a>	Action Research in Educational Leadership	3 hrs
or	or	
<a href="#">SFR 780</a>	Educational Research Methodology	
<a href="#">EAD 895</a>	Research in Administrative Practices	3 hrs
or	or	
<a href="#">SFR 890</a>	Field Research and Evaluation	
<a href="#">EAD 860</a>	Field Study	2-3 hrs
<b>Total (Minimum)</b>		<b>64 hrs</b>

# Autism Spectrum Disorders

## Graduate programs

### Graduate Certificate In Autism Spectrum Disorders

**Tamara Arthaud, Graduate Program Coordinator**

Park Central Office Building, Room 121; Phone 417-836-6951

[TamaraArthaud@missouristate.edu](mailto:TamaraArthaud@missouristate.edu)

### Program description

An 18 credit hour Missouri State University Graduate Certificate in Autism Spectrum Disorders (ASD) is available to non-degree 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 must apply and be admitted to the Graduate College.

### Required courses

Course Code	Course Title	Credit Hours
<a href="#"><u>SPE 625</u></a>	Introduction to Teaching and Assessing Students with Autism Spectrum Disorders	3 hrs
<a href="#"><u>SPE 616</u></a>	Foundations of Applied Behavior Analysis and Intervention for Teachers in Applied Settings	3 hrs
<a href="#"><u>SPE 626</u></a>	Applied Behavioral Analysis for Developmental Disabilities and Autism	3 hrs

## Spectrum Disorders

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<a href="#"><u>SPE 791</u></a>	Clinical Practicum for Special Needs Populations	4 hrs
<a href="#"><u>CSD 733</u></a>	Introduction to Augmentative and Alternative Communication	2 hrs
<a href="#"><u>SPE 627</u></a>	Seminar in Developmental and Sensory Disabilities	3 hrs
<b>Total (Minimum)</b>		<b>18 hrs</b>

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**GPA requirements**

Attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.

# Orientation and Mobility

## Graduate programs

### Graduate Certificate In Orientation and Mobility

#### Program description

#### NOT ACCEPTING APPLICATIONS AT THIS TIME

The Graduate Certificate in Orientation and Mobility is available to non-degree 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 must apply and be admitted to the Graduate College.

#### Required courses

Course Code	Course Title	Credit Hours
<a href="#">SPE 606*</a>	Principles of Orientation and Mobility	2 hrs
<a href="#">SPE 608*</a>	Low Vision, Anatomy and Physiology of the Eye	2 hrs
<a href="#">SPE 712</a>	Instructional Techniques and Strategies of Orientation and Mobility	6 hrs
<a href="#">SPE 714*</a>	Professional Issues Related to	3 hrs

Orientation and Mobility with Diverse  
Populations

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<u>SPE 730</u>	Health, Functional, and Psychological Aspects of Disabilities	2 hrs
<u>SPE 760</u>	Internship in Orientation & Mobility	3 hrs
<b>Total (Minimum)</b>		<b>18 hrs</b>

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\*Offered via internet.

### **GPA requirements**

Attain a grade point average of at least 3.00 on all graduate course work at Missouri State University.

# Special Education Director

## Graduate programs

### Graduate Certificate, 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-Masters 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 apply and be admitted to the Graduate College. 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
<a href="#">EAD 787</a>	Administration of Special Programs	3 hrs

<u><a href="#">SPE 782</a></u>	Advanced Diagnosis & Remediation of Students*	3 hrs
<u><a href="#">SPE 792</a></u>	Advanced Diagnosis & Remediation of Students – Lab	2 hrs
<u><a href="#">SPE 671</a></u>	Clinical Practicum in Special Education	1 hr
<u><a href="#">SPE 780</a></u>	Contemporary Issues in Special Education *	3 hrs
<u><a href="#">EAD 884</a></u>	Internship: Special Education Director – Part I	1 hr
<u><a href="#">EAD 885</a></u>	Internship: Special Education Director – Part II	1 hr
<b>Total (Minimum)</b>		<b>14 hrs</b>

\*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.



# Department of Reading, Foundations, and Technology

## Programs

✚Includes accelerated master's option

### Master's programs

[Teaching and Learning](#) (MATL)

[Literacy](#) (MSEd) ✚

[Educational Technology](#) (MSEd) ✚

[Teaching](#) (MAT)

### Specialist programs

[Teacher Leadership](#) (EdS)

### Certificates

[Educational Technology](#) (Certificate)

[Teacher Leadership](#) (Certificate)

[Literacy](#) (Certificate)

[Teaching and Learning](#) (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

## Contact

**Department head**

Cathy J. Pearman

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).

### Office

Hill Hall, Room 207D

### Phone

417-836-6769

### Fax

417-836-6252

### Email

[CathyPearman@missouristate.edu](mailto:CathyPearman@missouristate.edu)

### Website

[education.missouristate.edu/rft](http://education.missouristate.edu/rft)

# Reading, Foundations, and Technology Graduate Faculty

## Professors

[J. Deanne Camp](#)

[David L. Hough](#)

[Beth Hurst](#)

[Steven P. Jones](#)

[Sarah Nixon](#)

[Cathy Pearman](#)

[Eric C. Sheffield](#)

## Associate professors

[Ching-Wen Chang](#)

[David R. Goodwin](#)

[Rebecca Swearingen](#)

## Instructors

[Annice McLean](#)

[Jane Ward](#)

## Per course faculty

[Judy Brunner](#)

Jana Elfrink

Emmett Sawyer

[Vicki Schmitt](#)

[Tracy Tindle](#)

## Emeritus professors

L. Dale Allee

Stefan J. Broidy

[N. June Brown](#)

[John Wordy Buckner](#)

[Genevieve R. Cramer](#)

[Dennis J. Kear](#)

Randall Wallace

# 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: 5    Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Fall  
[Projected offerings](#)

### 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

### 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: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### 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.

instruction and educational policies. Students examine different curriculum models and theories and devise instructional practices to meet the needs of all learners.

**Credit hours: 5 Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 5 Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **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.*

**Credit hours: 5 Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 5 Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **EDC 704 Teaching and Learning V: Research Seminar**

*Prerequisite: EDC 700 and EDC 701 and EDC 702 and EDC 703; 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

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: 5 Lecture contact hours: 3**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **EDC 803 Teacher Leadership IV: Curriculum Development**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## **Educational Technology (EDT) courses**

**EDT 630 Technology Systems Management and Maintenance**

**EDT 696 Continuing Education in Educational Technology**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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

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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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.

EDT 563.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EDT 650 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 650 and EDT 565.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **EDT 690 Topical Issues in Educational Technology**

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **EDT 798 Research Seminar in Educational Technology**

*Prerequisite: SFR 780.*

An extensive research paper focused on the field of instructional Design and 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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

## 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### RDG 640 Analysis and Correction of Difficulties in Literacy

*Prerequisite: RDG 318 or both RDG 420 and RDG 421, or equivalent; and admitted to Teacher Education Program.*

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

### 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. To be taken during the first semester of the graduate literacy program.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### RDG 710 Content Area Literacy

*Prerequisite: enrollment limited to students in the MSED, MA, and MAT programs.*

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### RDG 720 Use of Multi-Media Resources in

their level of training. Family Care and Safety Registry (FCSR) check is required. May be taught concurrently with RDG 574. Cannot receive credit for both RDG 640 and RDG 574.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-5 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 574/640, 780, 781, or 782). Family Care and Safety Registry (FCSR) check is required. Literacy majors must enroll for 6 hours, other majors may enroll for 3 hours. 3(2-2) or

**Credit hours: 6 Lecture contact hours: 2**

**Lab contact hours: 8**

**Typically offered:** Fall, Spring

[Projected offerings](#)

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 strategics 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 MSED 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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

565. Cannot receive credit for both RDG 665 and RDG 565.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **RDG 673 Psychology of Literacy**

Practical contemporary learning theories and principles that are basic to acquiring literacy. Focus on evidence-based research supporting learner-centered classrooms and issues of cognitive and metacognitive development, the affective and motivational dimensions of instruction, the developmental and social aspects of learning, and individual differences in learning associated with cultural and social backgrounds. May be taught concurrently with RDG 573. Cannot receive credit for both RDG 673 and RDG 573.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 1**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**Lab contact hours: 4**

**Typically offered:** Summer

[Projected offerings](#)

### **RDG 791 Problems in Literacy Education**

*Prerequisite: concurrent enrollment in SFR 780.*

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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **RDG 795 Research Seminar in Literacy**

*Prerequisite: SFR 780 and RDG 700 or RDG 710 and RDG 791.*

An in-depth study of a topic in literacy, leading to the guided development and completion of an extensive research paper.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **RDG 799 Thesis**

*Prerequisite: SFR 780 and RDG 700 and RDG*

710 and RDG 791.

Independent research and study connected with preparation of thesis. May be repeated to a maximum of 6 hours.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## 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 and BSE 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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 and BSE 626. May be repeated to a total of 2 hours. May be taught concurrently with SEC 526.

### SEC 705 Curriculum Construction in Business Education

Objectives and interrelationships of business education courses and programs. Development of curricular materials and evaluative devices. Identical to BSE 705. May be repeated to a total of 3 hours.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### SEC 706 Seminar in Current Trends in Teaching Business Education

*Prerequisite:* BSE 403.

For experienced teachers of business education in grades 9-12; research and recent developments in teaching business education.



Cannot receive credit for both SEC 526 and SEC 626.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 and BSE 628. May be repeated to a total of 3 hours. May be taught concurrently with SEC 528.

**Credit hours:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **SEC 783 Internship in Teaching I**

*Prerequisite: SFR 797; complete appropriate*

Cannot receive credit for both SEC 528 and SEC 628.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SEC 701 Secondary School Curriculum**

Foundation course in the development and organization of the secondary school curriculum.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **SEC 704 Seminar in Current Trends in Teaching Social Studies**

*Prerequisite: HST 418.*

*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:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Fall

[Projected offerings](#)

### **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. Supplemental course fee.

For experienced teachers of social studies in grades 9-12; research and recent developments in teaching various areas of social studies.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours: 10 Lecture contact hours: 2**

**Lab contact hours: 16**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**SFR 681 Law and the Classroom Teacher**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

Rights and responsibilities of classroom teachers

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**SFR 781 Educational Research Literacy**

Introduction to the appreciation and understanding of research and common research methods in Education. In addition to basic research concepts, students will learn to read, understand, evaluate, and synthesize research, and explore the application of research results in their professional work.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**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.

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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **SFR 695 Applications of Educational Measurement**

*Prerequisite: Teacher Certification students must be admitted to Teacher Education Program.*

**Credit hours: 1-9    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SFR 709 Individualizing Instruction**

Training in various procedures for individualizing instruction at all grade levels.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SFR 723 Organization and Administration of Adult Education**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SFR 730 Curriculum Construction in the School**

Traditional, humanistic, and behavioristic approaches to advanced curriculum development in the school.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

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: 9 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **SFR 799 Thesis**

*Prerequisite: SFR 780.*

May be repeated to a maximum of 6 hours credit.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)**SFR 750 Philosophies of Education**

Philosophical problems of education; philosophical systems in America; their effect upon educational practice.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**SFR 890 Field Research and Evaluation**

*Prerequisite: SFR 780.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)



# Teaching and Learning

## Master of Arts in Teaching and Learning

**Eric Sheffield, Program Coordinator**

Hill Hall, Room 115;

Phone 417-836-6062

[EricSheffield@missouristate.edu](mailto:EricSheffield@missouristate.edu)

### Program description

The Master of Arts in Teaching and Learning (MATL) degree helps individual teachers improve their teaching, resulting in better student learning outcomes, while aiding whole school communities with identifying and responding to the needs or problems in their schools and communities. This is a degree 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 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 periodically, in the same cohort (though in different courses), with teacher colleagues enrolled in the same associated Specialist in Education, Teacher Leadership (SETL) degree and also with other teacher colleagues who want only the graduate Certificate in Teaching and Learning. 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 SMU Education faculty.

Students interested in this degree - and who think they also might want to acquire the Specialist in Education, Teacher Leadership degree - may qualify for the Accelerated Pathway for the Specialist degree. See the requirements for this Accelerated Pathway in the Graduate Catalog, under Specialist in Education, Teacher Leadership.

### Entrance requirements

Admission to the program requires the following minimum criteria:

1. Students must possess a Bachelor's degree, teacher certification, and must meet the requirements

for admission to graduate school as stated under the Admission to Graduate Study section of the Graduate Catalog.

2. A minimum GPA of 3.00 in the last 60 hours of course work in their undergraduate program. Students who do not meet the GPA requirement 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 GRE is required prior to the student's registering for more than 9 credit hours.
3. 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.
4. A student who does not meet all the above criteria, but who demonstrates outstanding potential, may be fully admitted by the Program Coordinator on the basis of individual merit.

### **Program admission procedures**

To be considered for admission to this program, a student must apply through the Graduate College (refer to the Graduate College, Admission to Graduate Study, Admission Requirements) and submit the following to the Program Coordinator of the MATL:

1. A letter containing teaching and professional goals, future plans, background information, teaching experiences, and the emphasis/elective area of interest to the candidate.
2. A copy of an appropriate teacher certification or eligibility for teacher certification by a state agency. Application without certification or eligibility may be accepted with permission from the Program Coordinator.
3. Submission of three letters or recommendation from professionals familiar with the candidate's academic abilities and teaching potential.

### **Degree requirements**

Satisfactory completion of a minimum of 33 approved graduate hours with a minimum overall GPA of 3.00.

1. Students must complete the four courses listed in the Professional Learning Community section of the degree with a minimum overall GPA of 3.50. No more than 16 hours of 600-level coursework may be applied to the degree program.
2. **Comprehensive Examination.** A comprehensive written or oral examination must be passed by the candidate before a degree will be granted.

3. **Research.** Completion of [EDC 704](#), Teaching and Learning V: Research Seminar, which will require a presentation of a professional dossier and either an extensive paper or major creative work.
4. **Transfer credit.** A maximum of 30% of the 33 hours of graduate credit may be accepted toward the master's degree. Please note one exception to the transfer credit rule: no transfer credits are accepted for the first four core courses.
5. All transfer credit must be "A" or "B" grade status from an accredited college or university and must be approved by the Program Coordinator.

### 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	Credits
<a href="#">EDC 700</a>	Teaching and Learning I: Current Issues & Trends in Education	5 hrs
<a href="#">EDC 701</a>	Teaching and Learning II: Diversity, Curriculum & Research	5 hrs

##### Second Year (On-Site, cohort based)

Course Code	Course Title	Credits
<a href="#">EDC 702</a>	Teaching and Learning III: Management & Assessment of Learning	5 hrs
<a href="#">EDC 703</a>	Teaching and Learning IV: Curriculum Development	3 hrs

##### Additional Required Course - 3 hrs

Course Code	Course Title	Credits
<a href="#">EDC 704</a>	Teaching and Learning V; Research Seminar	3 hrs

**Emphasis/Elective Area - 12 hours**

Students will choose an Emphasis Area or series of elective courses. The following Emphasis Areas are proposed pending program area participation:

Secondary Education: Candidate's area of certification/teaching.

Educational Technology: Choose from among EDT 630, 650, 662, 763, 764, 765.

Literacy: Choose from among RDG 640, 660, 673, 680, 685, 700, 710, 740, 770.

Elementary Education: to be determined.

Early Childhood and Family Education: to be determined.

Educational Leadership: to be determined.

Special Education: to be determined.

Counseling: to be determined.

Middle School Education: to be determined.

Educational Research: to be determined.

Educational Foundations: Choose from among SEC 701, SFR 676, 682, 750, 753, 791, 796, 858.

Other electives may be added at the discretion of the Program Coordinator.

# Educational Technology

## Graduate programs

### Master of Science in Education, Educational Technology

**Ching-Wen Chang, Program Coordinator**

Hill Hall, Room 119; 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. Options include: (1) instructional technologists who are interested in becoming building level technology specialists or system wide technology coordinators; (2) school library media specialists who may be working toward state certification; (3) classroom teachers who wish to improve their teaching skills with instructional design and technology; and (4) non-certificated professionals who may come from higher education, medical or professional fields other than K-12 schools.

#### English Proficiency requirements for international students

Proof of the proficiency in English is required if the 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 three ways:

1. The Test of English as a Foreign Language (TOEFL)\*. The TOEFL minimum score requirement is 79 on the internet-based test for graduate applicants. The student must request that original copies of these scores be sent to Missouri State University directly from the Educational Testing Services.
2. The IELTS. The IELTS minimum score requirement is 6.0 for graduate applicants. The student must request that original copies of these scores be sent to Missouri State University directly from an IELTS center.
3. Applicants who have not completed the TOEFL or IELTS. Applicants who have not complete either the TOEFL or IELTS are required to complete Level 5 in Missouri State's English Language Institute. Please visit Missouri State's English Language Institute site to learn more about this

program.

## Program admission requirements

To be admitted to the degree program, the student must complete a Missouri State University Graduate Application and have all official college transcripts forwarded to the Graduate College. The applicant should specify Educational Technology as their special area of interest. The student must meet [Graduate College admission requirements](#).

### Submission of Advisor-Approved Program of Study

Once a major advisor has been assigned and consultation has occurred, an Advisor-approved Program of Study must be filed with the Graduate College. This must be filed prior to the completion of 14 hours of graduate work. The degree seeking candidate will also be required to prepare a written personal statement for the major advisor and indicate reasons for pursuing the program including desired professional goals.

### Required Courses

#### General Requirements

**6 hrs**

Course Code	Course Title	Credit Hours
<a href="#">SFR 780</a>	Educational Research Methodology	3 hrs
<a href="#">SFR 750</a>	Philosophies of Education	3 hrs

#### Research Requirements

**3-6 hrs**

Course Code	Course Title	Credit Hours
<a href="#">EDT 797</a>	Educational Technology Special Research Project	3 hrs
or	or	or
<a href="#">EDT 798</a>	Research Seminar in Educational Technology	3 hrs
or	or	or
<a href="#">EDT 799</a>	Educational Technology Thesis	3-6 hrs

#### Diversity Requirements

**3 hrs**

Course Code	Course Title	Credit Hours
<a href="#">RDG 660</a>	Diversity Issues in Literacy & Content Area Instruction	3 hrs
	or	

or	or	3 hrs
<a href="#">RDG</a>	Cultural Diversity Literacy &	
<a href="#">665</a>	Instruction: Classrooms &	
	Community	

### **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
<a href="#">EDT 650</a>	Selection and Utilization of Educational Technology	3 hrs
<a href="#">EDT 763</a>	Administration of Educational Technology	3 hrs
<a href="#">EDT 764</a>	Instructional Design	3 hrs
<a href="#">EDT 765</a>	Educational Media Production	3 hrs
	Electives	9 hrs
	<b>Total Hours Required</b>	<b>33 Hours</b>

### **Suggested Electives**

Applicable technology courses in the College of Education.

Course Code	Course Title	Credit Hours
<a href="#">EDT 630</a>	Technology Systems Management & Maintenance	3 hrs
<a href="#">EDT 660</a>	Digital-Age Learning Environments	3 hrs
<a href="#">EDT 662</a>	Educational Applications of Computers in the Classroom	3 hrs
<a href="#">EDT 690</a>	Topical Issues in Educational Technology	1-5 hrs
<a href="#">EDT 767</a>	Educational Technology Practicum	2 hrs
<a href="#">EDT 777</a>	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 advisor.

### ***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 Master's Degree Option- MSED, Educational Technology**

The MSED, Educational Technology accelerated master's option provides exceptional Missouri State University 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 MSED, 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 receive prior approval from the Educational Technology Program Coordinator, the RFT 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.

### ***Admission Requirements***

1. Junior standing, with an over-all GPA of 3.25
2. BSED major
3. Recommendation of a faculty member in the College of Education

### ***Mixed Credit Courses***

Graduate courses taken include: EDT 650 (3 hrs); EDT 662 (3 hrs); EDT 630 (3 hours) and EDT 660 (3 hrs)



Students must complete the program requirements and additional course requirements of 24 hours to graduate with the MSED, Educational Technology degree.

# Literacy

## Graduate programs

### Master of Science in Education, Literacy

**Deanne Camp, Program Coordinator**

Hill Hall, Room 102; Phone 417-836-6983

[DeanneCamp@missouristate.edu](mailto:DeanneCamp@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 non-degree seeking student before being accepted into the program.
2. To be considered for admission to the program, a student must first apply to the Graduate College.
3. Official transcripts of all undergraduate and graduate course work must be submitted to the Graduate College.
4. Submit the following to the Coordinator of the literacy program before the application will be considered:
  - a. a letter of intent, which includes the candidate's teaching and professional goals, future plans, background and teaching experience; and
  - b. three letters of recommendation from professionals familiar with the candidate's academic abilities and teaching potential.
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). 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 MSED-Literacy requirements:

Students must complete the additional course requirements and number of required hours as listed in the regular MSED-Literacy degree.

### Required courses

Course Code	Course Title	Credit Hours
<a href="#">RDG 640</a>	Analysis and Correction of Difficulties in Literacy	3 hrs
<a href="#">RDG 660</a> or <a href="#">RDG 665</a>	Diversity Issues in Literacy and Content Area Instruction or Cultural Diversity in Literacy & Instruction: Classrooms & Community	3 hrs
<a href="#">RDG 680</a>	Successful Classroom Communities to Enhance Student Learning	3 hrs
<a href="#">RDG 685</a>	Techniques of Responsive Support in the Literacy Classroom	3 hrs
<a href="#">RDG 700</a>	Relationship of Language to Literacy and Intellectual Development	3 hrs
<a href="#">RDG 710</a>	Content Area Literacy	3 hrs
<a href="#">RDG 740</a>	Issues and Trends in Literacy Education	3 hrs
<a href="#">RDG 770</a>	Curriculum Design in Literacy	3 hrs
<a href="#">RDG 780</a>	Assessment Procedures for the Literacy Specialist	3 hrs
<a href="#">RDG 781</a>	Assessment of Literacy Problems	3 hrs

<u>RDG 782</u>	Remediation of Literacy Problems	3 hrs
<u>SFR 780</u>	Educational Research Methodology	3 hrs
<u>RDG 795*</u>	Research Seminar in Literacy	3 hrs
<b>Total</b>		<b>39 hrs</b>

\* 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.

# Teaching

## Graduate programs

### Master of Arts in Teaching

**Emmet Sawyer, Program Coordinator**

Hill Hall, Room 207; Phone 417-836-3089

[EmmetSawyer@missouristate.edu](mailto:EmmetSawyer@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 and the MSU Joplin Graduate Center on the campus of Missouri Southern State University. The Joplin-based program has been developed through a MSU-MSSU partnership. Students completing the program through the Joplin Graduate Center will receive a diploma issued by Missouri State University signifying completion of the cooperative program with MSSU. Since summer 2008, the MAT program has been offered on the Missouri State University - West Plains campus.

Coursework meeting master's degree requirements are offered through a variety of delivery methods including online, ITV (interactive video) 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 student teaching (SEC 784).

3. Applicants must complete the Teacher Certification Transcript Analysis request application obtained online from the Teacher Certification Office web page.
4. Admission to the MAT will include academic department review.
5. Applicants interview with the MAT Program Coordinator.
6. Priority deadline is February 15 for all required documentation to be received in the MAT office or until all seats are filled.

## Degree requirements (minimum of 39 hrs)

### Suggested Schedule

#### *Summer semester*

Course Code	Course Title	Credit Hours
<a href="#"><u>SFR 797</u></a>	Advanced Studies in Teaching and Learning	9 hrs

#### *Fall semester*

Course Code	Course Title	Credit Hours
<a href="#"><u>SEC 783*</u></a>	Internship in Teaching I	3 hrs
<a href="#"><u>RDG 710</u></a>	Content Area Literacy	3 hrs
<a href="#"><u>PSY 710</u></a>	Psychology of Education	3 hrs

#### *Spring semester*

Course Code	Course Title	Credit Hours
<a href="#"><u>SEC 784</u></a>	Internship in Teaching II	10 hrs

#### *Summer semester*

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Course Code	Course Title	Credit Hours
<a href="#">EDT 662</a>	Educational Applications of Computers for Teaching	3 hrs
<a href="#">SPE 715</a>	Foundations in Special Education	3 hrs

### *Fall Semester*

Course Code	Course Title	Credit Hours
<a href="#">SFR 780</a>	Educational Research Methodology	3 hrs

### *Spring Semester*

Course Code	Course Title	Credit Hours
<a href="#">EDC 786</a>	Research Seminar in Education	2 hrs

\*Art K-12 candidates will enroll in [ART 783](#) instead of [SEC 783](#)

## **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**

A comprehensive examination 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 a cumulative 3.00 GPA on work attempted in the program. MAT candidates will be expected to complete a professional portfolio that demonstrates performances aligned to institutional, state and national standards prior to graduation.

## **Advisement**

Advisement will be facilitated by the MAT Academic Advisor (Jennifer Jensen) in cooperation with the MAT Program Coordinator within the College of Education. The Office of Teacher Certification will monitor the certification process.



## **Certification requirements**

Students must pass the relative Missouri Content Assessment (MoCA) in order to be recommended for 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 certification. Content coursework must be completed before being recommended for certification. Content area requirements are determined by the Teacher Certification Office as part of the transcript analysis process.

# Teacher Leadership

## Specialist in Education, Teacher Leadership

### Eric Sheffield, Program Coordinator

Hill Hall, Room 115;

Phone 417-836-6062

[EricSheffield@missouristate.edu](mailto:EricSheffield@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 district, 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, resulting in better student learning outcomes, while aiding whole school communities with identifying and responding to the needs or problems in their schools and communities. 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 periodically, in the same cohort (though in different courses), with teacher colleagues enrolled in the same associated Master of Arts in Teaching and Learning (MATL) degree and also with other teacher colleagues who want only the graduate Certificate in Teaching and Learning. 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 SMU Education faculty.

An Accelerated Pathway to the Specialist in Education, Teacher Leadership degree is available for those students who do NOT have a Master's degree in an education-related field, but who enroll in, and complete, Missouri State's Master of Arts in Teaching and Learning (MATL) degree. Description of, and requirements for, this pathway are found below - under the heading "Accelerated Pathway."

### Entrance requirements

Admission to the program requires the following minimum criteria:

1. Students must possess a Bachelor's degree, teacher certification, as well as a Master's degree in an education-related field. They must meet the requirements for admission to graduate school as stated under the Admission to Graduate Study section of the Graduate Catalog.
2. A minimum GPA of 3.25 for courses taken in the candidates Master's program.
3. 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.
4. A student who does not meet all the above criteria, but who demonstrates outstanding potential, may be fully admitted by the Program Coordinator on the basis of individual merit.

Any coursework completed prior to program admittance may be unacceptable for the program.

### **Program admission procedures**

To be considered for admission to this program, a student must apply through the Graduate College (refer to the Graduate College, Admission to Graduate Study, Admission Requirements) and submit the following to the Program Coordinator of the SETL:

1. A letter containing teaching and professional goals, future plans, background information, teaching experiences, and the emphasis/elective area of interest to the candidate.
2. A copy of an appropriate teacher certification or eligibility for teacher certification by a state agency. Application without certification or eligibility may be accepted with permission from the Program Coordinator.
3. Submission of three letters or recommendation from professionals familiar with the candidate's academic abilities and teaching potential.

### **Degree requirements**

Satisfactory completion of a minimum of 36 approved graduate hours with a minimum overall GPA of 3.00.

1. Students must complete the four courses listed in the Professional Learning Community section of the degree with a minimum overall GPA of 3.50. No transfer credits are accepted for these courses.
2. No more than 17 hours of 600-level coursework may be applied to the degree program.

3. **Comprehensive Examination.** A comprehensive written or oral examination must be passed by all students who have not previously passed the comprehensive examination for the MATL degree. In addition, students will be required to present an acceptable oral review of their field of study.
4. **Research.** Completion of [SFR 890](#), Field Research and Evaluation. Students will write a seminar paper or thesis that may build on an deepen previous research projects, or they will select a new area for research and writing. Students will present their final research to a committee that will include selected MSU faculty members and school administrators. In addition, they will either present at a conference (University, state, regional or national) or produce a paper MSU faculty would deem publishable.
5. **Transfer credit.** A maximum of 30% of the 36 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 Program Coordinator. Please note one exception to the transfer credit rule: no transfer credits are accepted for the first four core courses.
6. All 36 hours of coursework for the degree must be completed within a period of 8 years.

## 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	Credits
<a href="#">EDC 800</a>	Teacher Leadership I: Contemporary Educational Problems	5 hrs
<a href="#">EDC 801</a>	Teacher Leadership II: Diversity and Curriculum Design	5 hrs

#### Second Year (On-Site, cohort based)

Course Code	Course Title	Credits
<a href="#">EDC 802</a>	Teacher Leadership III: Building Classroom Climate & Effective Student Assessments	5 hrs
<a href="#">EDC 803</a>	Teacher Leadership IV: Curriculum Theory	3 hrs

**Administrative Leadership Area Course - 3 hrs**

Course Code	Course Title	Credits
<u>EAD 751</u>	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	Credits
<u>SFR 890</u>	Field Research and Evaluation	3 hrs

**Emphasis/Elective Area - 12 hours**

Students will, in consultation with the Program Coordinator, choose an Emphasis Area or series of elective courses that are meant to broaden their leadership understanding. The following Emphasis Areas are proposed:

Secondary Education: Candidate's area of certification/teaching.

Educational Technology: Choose from among EDT 630, 650, 662, 763, 764, 765.

Literacy: Choose from among RDG 640, 660, 673, 680, 685, 700, 710, 740, 770.

Elementary Education: to be determined.

Early Childhood and Family Education: to be determined.

Educational Leadership: to be determined.

Special Education: to be determined.

Counseling: to be determined.

Middle School Education: to be determined.

Educational Research: to be determined.

Educational Foundations: Choose from among SEC 701, SFR 676, 682, 750, 753, 791, 796, 858.

Other electives may be added at the discretion of the Program Coordinator.

**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 Area" toward the Specialist degree's "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.

# Educational Technology

## Graduate programs

### Educational Technology Certificate Program

**Ching-Wen Chang, Program Coordinator**

Hill Hall, Room 119; Phone (417) 836-5353

[cchang@missouristate.edu](mailto:cchang@missouristate.edu)

#### Program description

The graduate Certificate in Educational Technology provides a 16-17 hour graduate-level experience for school administrators, teachers and staff working at the school building level. The program provides for the acquisition of knowledge and skills necessary for supporting teachers and students. The certificate is interdisciplinary in nature and provides competencies in various areas. **This certificate is a Missouri State University Certificate and does not meet Missouri State Certification requirements for teaching.**

#### Entrance criteria

To be considered for the program, a student must apply and be admitted to the Graduate College.

#### Required courses

Course Code	Course Title	Credit Hours
<a href="#">EDT 650</a>	Selection and Utilization of Educational Technology	3 hrs
<a href="#">EDT 763</a>	Administration of Educational Technology	3 hrs
<a href="#">EDT 764</a>	Instructional Design	3 hrs
<a href="#">EDT 767</a>	Educational Technology Practicum	2 hrs

#### Suggested Electives - choose two courses (5-6 hrs)

[MED 661](#), [MED 662](#), [MED 663](#), [MED 681](#); [ENG 773](#), [ENG 775](#), [ENG 777](#); [CIS 626](#), [CIS 630](#), [CIS 720](#); [EDT 777](#); [TCM 710](#); [PSY 718](#); [AGE 608](#)

**Total Hours Required 16-17 hrs**

**GPA Requirements**

Students must maintain a grade point average of at least 3.00 on all graduate course work at Missouri State University.



# Literacy

## Graduate Certificate in Literacy

### Deanne Camp, Program Coordinator

Hill Hall, Room 102;

Phone (417) 836-6983

[deannecamp@missouristate.edu](mailto:deannecamp@missouristate.edu)

### Program description

The Graduate Certificate in Literacy provides a 12-hour graduate-level experience for several groups of students: those working on 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 State's DESE Certification requirements for teaching.**

### Entrance criteria

To be considered for the program, a student must apply and be admitted to the Graduate College.

### 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
<a href="#">RDG 640</a>	Analysis and Correction of Difficulties in Literacy	3 hrs
<a href="#">RDG 673</a>	Psychology of Literacy	3 hrs
<a href="#">RDG 680</a>	Successful Classroom Communities to Enhance Student Learning	3 hrs

<a href="#"><u>RDG 685</u></a>	Techniques of Responsive Support in the Literacy Classroom	3 hrs
<a href="#"><u>RDG 700</u></a>	Relationship of Language to Literacy and Intellectual Development	3 hrs
<a href="#"><u>RDG 710</u></a>	Content Area Literacy	3 hrs
<a href="#"><u>RDG 780</u></a>	Assessment Procedures for the Literacy Specialist	3 hrs
<a href="#"><u>RDG 781</u></a>	Assessment of Literacy Problems (must be taken concurrently with RDG 782)	3 hrs
<a href="#"><u>RDG 782</u></a>	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
<a href="#"><u>RDG 660</u></a>	Diversity Issues in Literacy and Content Area Instruction	3 hrs
<a href="#"><u>RDG 665</u></a>	Cultural Diversity in Literacy & Instruction: Classrooms & Community	3 hrs
<a href="#"><u>RDG 740</u></a>	Issues and Trends in Literacy Education	3 hrs
<a href="#"><u>RDG 770</u></a>	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

# Teacher Leadership

## Graduate Certificate in Teacher Leadership

**Eric Sheffield, Program Coordinator**

Hill Hall, Room 115;

Phone 417-836-6062

[EricSheffield@missouristate.edu](mailto:EricSheffield@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.

### Required Courses - 18 hrs

Course Code	Course Title	Credits
<a href="#">EDC 800</a>	Teacher Leadership I: Contemporary Educational Problems	5 hrs
<a href="#">EDC 801</a>	Teacher Leadership II: Diversity and Curriculum Design	5 hrs
<a href="#">EDC 802</a>	Teacher Leadership III: Building Classroom Climate & Effective Student Assessments	5 hrs
<a href="#">EDC 803</a>	Teacher Leadership IV: Curriculum Theory	3 hrs

# Teaching and Learning

## Graduate Certificate in Teaching and Learning

**Eric Sheffield, Program Coordinator**

Hill Hall, Room 115;

Phone 417-836-6062

[EricSheffield@missouristate.edu](mailto:EricSheffield@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.

### Required Courses - 18 hrs

Course Code	Course Title	Credits
<a href="#">EDC 700</a>	Teaching and Learning I: Current Issues & Trends in Education	5 hrs
<a href="#">EDC 701</a>	Teaching and Learning II: Diversity, Curriculum & Research	5 hrs
<a href="#">EDC 702</a>	Teaching and Learning III: Management & Assessment of Learning	5 hrs
<a href="#">EDC 703</a>	Teaching and Learning III: Management & Assessment of Learning	3 hrs

# College of Health and Human Services

## Programs

✚Includes accelerated master's option

### Master's programs

[Administrative Studies: Sports Management Option](#) (MS)

[Applied Behavior Analysis](#) (MS)

[Athletic Training](#) (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)✚

[Nurse Anesthesia](#) (MS) - no longer accepting applications. Applications only being accepted for the DNAP program.

[Nursing](#) (MSN)✚

[Occupational Therapy](#) (MOT)

[Physician Assistant Studies](#) (MS)

[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)

[Nursing Practice](#) (DNP)

[Physical Therapy](#) (DPT)

## Certificates

[Dietetics Internship](#) (Certificate)

[Public Health Administration](#) (Certificate)

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

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

[Forensic Child Psychology](#) (Certificate)

[Public Health Core](#) (Certificate)

[Post-Master's Nurse Educator](#) (Certificate)

[Sports Management](#) (Certificate)

## Centers for Research and Service

### Southwest Missouri Area Health Education Center

The College hosts the [Southwest Missouri Area Health Education Center](#). 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](#) 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 design and statistical analysis through consultation and workshops on research planning, design and statistical analysis topics.

## Clinics

### Learning Diagnostic Clinic

The [Learning Diagnostic Clinic](#) (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

## Contact

### Dean

[Helen C. Reid](#)

### Office

Professional Building, Room  
110

### Phone

417-836-4176

### Fax

417-836-6905

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](#) (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](#) (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.

# Department of Biomedical Sciences

## Programs

✚Includes accelerated master's option

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### Master's programs

[Cell and Molecular Biology](#) (MS)✚

[Nurse Anesthesia](#) (MS)

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### Doctoral programs

[Nurse Anesthesia Practice](#) (DNAP)

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### Certificates

[Dietetic Internship](#) (Certificate)

## Accreditation

- Accreditation Council for Education in Nutrition and Dietetics – Dietetic Internship (Graduate-Level Certificate)

## Contact

### Department head

Colette M. Witkowski

### Office

Professional Building, Room  
400

### Phone



417- 836-5603

**Fax**

417-836-5603

**Email**

[BiomedicalSciences@missouristate.edu](mailto:BiomedicalSciences@missouristate.edu)

**Website**

[missouristate.edu/bms/](http://missouristate.edu/bms/)

# Biomedical Sciences Graduate Faculty

## Professors

[Richard C. Garrad](#)

[Benjamin F. Timson](#)

[Colette M. Witkowski](#)

## Associate professors

[Anne Marie B. Hunter](#)

[Joshua Smith](#)

[Jianjie Wang](#)

[Scott D. Zimmerman](#)

## Assistant professors

[Tracy Beckham](#)

[Carmen Boyd](#)

[Amanda C. Brodeur](#)

[Monika Feeney](#)

[Lyon Hough](#)

[Sockju Kwon](#)

[Robert T. Morris](#)

[Florence Ojiugo Uruakpa](#)

## Instructors

[Natalie Allen](#)

## Clinical faculty

Bryan Baxley

Dennis Bray

John Byrd

John Driver

Jim Elliott

Adriane Fain

Donald Foust

Charlette Hutsell

Mark Lasswell

Beverly J. Long

Rodney McFadden

Sarah Murray

Susanne Small

Donna Witsberger

Robert Zinn

## Per course faculty

Dane Lee

[Hillary L. Roberts](#)

## **Clinical assistant professor**

[Tracey Poston](#)

## **Emeritus professors**

[Harold B. Falls, Jr.](#)

[Christopher C. Field](#)

[Albert R. Gordon](#)

Joanne M. Gordon

Harley E. Mortensen

# Biomedical Sciences Courses

## Nurse Anesthesia (ANE) courses

### ANE 702 Clinical Conference I

Review of significant cases involving complex anesthesia considerations.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### ANE 705 Clinical Conference II

*Prerequisite: ANE 702.*

A review of significant cases involving complex anesthesia considerations.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### ANE 708 Clinical Conference III

*Prerequisite: ANE 705.*

Continuing review of significant cases involving complex anesthesia considerations.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### ANE 750 Advanced Anesthesia Principles II

*Prerequisite: ANE 720.*

A review of the special anesthetic considerations for: anesthesia delivery systems, pre-operative evaluation, monitoring, professional liability, rare and coexisting diseases, hemotherapy and hemostasis, post-anesthesia recovery, minimally invasive procedures, orthopedic, geriatric, outpatient anesthesia, airway management,

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ANE 711 Clinical Conference IV**

*Prerequisite: ANE 708.*

Continuing review of significant cases involving complex anesthesia considerations.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

respiratory physiology and function, thoracic surgery, neuro surgery, patients with liver and kidney disease, acid-base disturbances, and patients undergoing urologic, ophthalmic, and otolaryngologic surgery.

**Credit hours: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ANE 720 Basic Principles of Anesthesia**

A presentation of the principles of laws of physics and chemistry applicable to the field of anesthesia along 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ANE 723 Application of Anatomy and Physiology to Anesthesia II**

An in-depth analysis of the special relationships between anesthesiology and the endocrine, hepatatic, renal, neurologic, autonomic, and central nervous systems.

**Credit hours:** 1 **Lecture contact hours:** 1

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ANE 726 Introduction to Clinical Anesthesia**

Preoperative evaluation of patients, airway management, inhalation techniques, common complications of induction and emergence. Supplemental course fee.

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **ANE 732 Advanced Anesthesia Principles I**

*Prerequisite: ANE 720.*

An in-depth review of drugs commonly used to provide the state of anesthesia, review of subjects essential to the practice of anesthesia; emphasis on pediatrics, neonatal, critical care anesthesia, trauma and burns, organ transplants and organ retrieval, obesity and GI disorders, and a study of the requirements for specialized anesthesia care; regional anesthesia, chronic pain, cardiac, and vascular anesthesia.

**Credit hours: 6 Lecture contact hours: 6**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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-

and NUR 734.

**Credit hours: 5 Lecture contact hours: 3**

**Lab contact hours: 6**

**Typically offered:** Fall

[Projected offerings](#)

### **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 total of 44 hours. Hours are based on clinical practicum days in the clinical area. Graded Pass/Not Pass only. Supplemental course fee.

**Credit hours: 3-10 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**



Projected offerings**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: 4    Lecture contact hours: 4****Lab contact hours: 0****Typically offered:** FallProjected offerings**Typically offered:** Fall, Spring, SummerProjected offerings**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: 3    Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** SpringProjected offerings**Biomedical Science (BMS) courses****BMS 602 Special Topics in Biomedical Sciences II***Prerequisite: permission of department head.***BMS 670 Principles of Pharmacology***Prerequisite: permission of instructor.*

Recommended Prerequisite: BMS 622. Overview

Selected topics of an advanced nature which will vary from semester to semester. May be repeated by a student for a maximum of 8 hours of credit provided topics are different. May be taught concurrently with BMS 500. Cannot receive credit for both BMS 500 and BMS 602.

**Credit hours:** 1-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 1

**Lab contact hours:** 2

**Typically offered:** Fall

[Projected offerings](#)

### **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

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **BMS 682 Embryology**

Recommended Prerequisite: human anatomy. A study of anatomical changes during early animal development with emphasis on vertebrates. Lecture emphasis is on the cellular and subcellular mechanisms that may explain normal development, especially with regard to fertilization and morphogenesis. Laboratory emphasis on the normal development of live and preserved vertebrate embryos. Meets the embryology requirements for 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:** 4 **Lecture contact hours:** 2

**Lab contact hours:** 4

**Typically offered:** Spring

[Projected offerings](#)

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: 4    Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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, medical technology, 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: 4    Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

with BMS 521. Cannot receive credit for BMS 521 and BMS 622. Supplemental course fee.

**Credit hours: 4    Lecture contact hours: 3**

**Lab contact hours: 3**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

### **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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **BMS 701 Research in the Biomedical Sciences**

*Prerequisite: admission to MS in Cell and Molecular Biology program; and statistics: MTH 645 or BIO 650 or PSY 711 or PBH 730 or concurrent enrollment in statistics.*

**Credit hours: 4 Lecture contact hours: 3**

**Lab contact hours: 3**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **BMS 629 Molecular Genetics**

*Prerequisite: BMS 625.*

Recent advances in the molecular aspects of genetics; mammalian DNA will be characterized and manipulated using modern molecular techniques. May be taught concurrently with BMS 529. Cannot receive credit for both BMS 529 and BMS 629.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

Focus on research skills, scientific writing, and professional development.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 6 Lecture contact hours: 3**

**Lab contact hours: 10**

**Typically offered:** Fall

[Projected offerings](#)

### **BMS 711 Microbial Genetics**

*Prerequisite: BMS 622.*

Course is designed to investigate various aspects

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 6 Lecture contact hours: 3**

**Lab contact hours: 11**

**Typically offered:** Spring

[Projected offerings](#)

### **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

**Typically offered:** Spring

[Projected offerings](#)

### **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 pharmaceutical corporations. May be taught concurrently with BMS 540. Cannot receive credit for both BMS 540 and BMS 640.

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

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 up to 6 hours when topic varies.

**Credit hours: 1-4    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **BMS 727 Human Gross Anatomy**

*Prerequisite: admission to MS in Nurse Anesthesia program.*

In-depth study of the gross anatomy of the human body in areas of interest relating to administration of anesthesia. Supplemental course fee.

**Credit hours: 2    Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **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

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. Supplemental course fee. Identical with OTE 645. Cannot receive credit for both BMS 645 and OTE 645.

**Credit hours: 5 Lecture contact hours: 3**

**Lab contact hours: 6**

**Typically offered:** Summer  
[Projected offerings](#)

### **BMS 658 Recombinant DNA Techniques**

*Prerequisite: C grade or better in BMS 625.*

A laboratory intensive course designed to extend the molecular biology principles and current techniques used in gene cloning, site-directed mutagenesis, transformation of eukaryotic cells, designing gene expression vectors, performing molecular hybridization techniques, confirming gene expression through reverse transcriptase PCR, and DNA sequencing. Supplemental course fee. May be taught concurrently with BMS 558. Cannot receive credit for both BMS 558 and BMS 658.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Summer  
[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring  
[Projected offerings](#)



**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **BMS 663 Advanced Work Physiology**

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **BMS 742 Organ Physiology**

*Prerequisite: BMS 620 or BMS 622 and admission to the Cell and Molecular Biology graduate program or Doctor of Nurse Anesthesia Practice program.*

Course is the study of the human cardiovascular and respiratory physiology and related human diseases. Emphasis is on the normal and abnormal functions of the heart, lungs and vascular systems. Consideration of disease etiology, diagnosis and clinical interpretation of the cardiopulmonary and vascular systems. Current research topics will be introduced and discussed.

**Credit hours: 4    Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **BMS 752 Medical Physiology**

*Prerequisite: admission to Physician Assistant Studies program or Doctor of Physical Therapy*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 3

**Lab contact hours:** 2

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 1

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **BMS 798 Research**

*Prerequisite: permission of instructor.*

Application of the research process in the

concurrently with BMS 568. Cannot receive credit for both BMS 568 and BMS 668.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

## **Dietetics and Nutrition (DTN) courses**

### **DTN 740 Medical Nutrition Therapy I Practicum**

*Prerequisite: admission to 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

supervised study of a selected problem. May be repeated for a maximum of 6 hours. Graded Pass/Not Pass only.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **BMS 799 Thesis**

*Prerequisite: permission of instructor.*

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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **DTN 742 Public Health Nutrition Practicum**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a six week field experience in the delivery of public health and community nutrition programs at local, state, national levels at various sites under professional supervision (37 hours per week). Current issues relating to the promotion of good nutrition and preventive health

therapy to include at least diabetes, heart disease, lung disease and basic health promotion in an acute or clinical setting.

**Credit hours: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **DTN 741 Medical Nutrition Therapy II**

### **Practicum**

*Prerequisite: admission to 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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

care will be examined. Students will evaluate nutrition components of various community health agencies and participate in the delivery of services.

**Credit hours: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **DTN 743 Food Service Management Practicum**

*Prerequisite: admission to 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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **DTN 744 Practicum in Area of Concentration**

*Prerequisite: admission to the graduate Dietetic Internship Certificate Program.*

This course provides a seven week field experience (40 hours per week) in either Public

Affairs or Rural Health. Field placements and experiences will be developed with each student and the program director.

**Credit hours: 3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Cell and Molecular Biology

## Graduate programs

### Master of Science in Cell and Molecular Biology

**Scott D. Zimmerman, Director of Graduate Studies**

Professional Building, 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 Technology (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.

# Doctor of Nurse Anesthesia Practice

## 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 (4 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 November 1. 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. Upon acceptance to the program, the student will pay \$200.00 to the AANA for an associate membership (American Associate of Nurse Anesthetists);
12. A \$500.00 confirmation deposit is required to hold a seat in the class once a student is 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

1. Course Requirements to total a minimum of 119 hours
2. **ANE Courses** (89 hours)

Course Code	Course Title	Credit Hours
<a href="#"><u>ANE 702</u></a>	Clinical Conference I	1 hr
<a href="#"><u>ANE 705</u></a>	Clinical Conference II	1 hr
<a href="#"><u>ANE 708</u></a>	Clinical Conference III	1 hr
<a href="#"><u>ANE 711</u></a>	Clinical Conference IV	1 hr
<a href="#"><u>ANE 714</u></a>	Orientation to Clinical Anesthesia	1 hr
<a href="#"><u>ANE 720</u></a>	Basic Principles of Anesthesia	3 hrs

<a href="#">ANE 726</a>	Introduction to Clinical Anesthesia	2 hrs
<a href="#">ANE 732</a>	Advanced Anesthesia Principles I	6 hrs
<a href="#">ANE 734</a>	Advanced Physical Assessment & Clinical Reasoning	5 hrs
<a href="#">ANE 735</a>	Clinical Practicum	44 hrs
<a href="#">ANE 745</a>	Anesthesia Pharmacology I	4 hrs
<a href="#">ANE 746</a>	Anesthesia Pharmacology II	3 hrs
<a href="#">ANE 750</a>	Advanced Anesthesia Principles II	4 hrs
<a href="#">ANE 800</a>	Leadership for Evidence-Based Practice	3 hrs
<a href="#">ANE 897</a>	Research for Scholarly Project	3 hrs
<a href="#">ANE 898</a>	Capstone Project Presentation	3 hrs
<a href="#">ANE 803</a>	Human Factors and Patient Safety in Healthcare	3 hrs
<a href="#">ANE 806</a>	Professional Practice In Anesthesia	3 hrs
<a href="#">ANE 807</a>	Anesthesia and Healthcare Policy	3 hrs
<a href="#">ANE 810</a>	Health and Wellness in the Healthcare Setting	3 hrs

### 3. Non-ANE Courses (30 hours)

Course Code	Course Title	Credit Hours
<a href="#">BMS 700</a>	Introduction to Graduate Studies in the Biomedical Sciences	3 hrs
<a href="#">BMS 620</a>	Medical Cell Biology	3 hrs
<a href="#">BMS 728</a>	Human Neurophysiology and Anatomy	3 hrs
<a href="#">BMS 742</a>	Organ Physiology	4 hrs
<a href="#">PHI 613</a>	Bioethics	3 hrs
<a href="#">ECO 604</a>	Healthcare Economics	3 hrs
<a href="#">PBH 730</a>	Biostatistics in Health Sciences	3 hrs

#### 4. **Research/Capstone Requirement** (total 6 hours)

Each student will complete a Capstone project. This project must be started in the [ANE 897](#) class and completed in the [ANE 898](#) 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 completed anesthesia program.

#### **Completion program – One Year Program (27 hours)**

Course Code	Course Title	Credit Hours
<a href="#">ANE 897</a>	Research for Scholarly Project	3 hrs
<a href="#">ANE 806</a>	Professional Practice In Anesthesia	3 hrs
<a href="#">ANE 807</a>	Anesthesia and Healthcare Policy	3 hrs
<a href="#">ANE 810</a>	Health and Wellness in the Healthcare Setting	3 hrs
<a href="#">ANE 898</a>	Capstone Project Presentation	3 hrs
<a href="#">ANE 803</a>	Human Factors and Patient Safety in Healthcare	3 hrs
<a href="#">ANE 800</a>	Leadership, Evidence Based Practice	3 hrs
<a href="#">PHI 613</a>	Bioethics	3 hrs
<a href="#">ECO 604</a>	Healthcare Economics	3 hrs

#### **Completion program – Two Year Program (27 hours)**

First Year

Course Code	Course Title	Credit Hours
<a href="#">ANE 897</a>	Research for Scholarly Project	3 hrs
<a href="#">ANE 800</a>	Leadership, Evidence Based Practice	3 hrs

<a href="#">PHI 613</a>	Bioethics	3 hrs
<a href="#">ECO 604</a>	Healthcare Economics	3 hrs
<a href="#">ANE 810</a>	Health and Wellness in the Healthcare Setting	3 hrs
<a href="#">ANE 803</a>	Human Factors and Patient Safety in Healthcare	3 hrs

## Second Year

Course Code	Course Title	Credit Hours
<a href="#">ANE 806</a>	Professional Practice In Anesthesia	3 hrs
<a href="#">ANE 807</a>	Anesthesia and Healthcare Policy	3 hrs
<a href="#">ANE 898</a>	Capstone Project Presentation	3 hrs

**Completion program – Three Year Program (27 hours)**

## First Year

Course Code	Course Title	Credit Hours
<a href="#">ANE 800</a>	Leadership, Evidence Based Practice	3 hrs
<a href="#">PHI 613</a>	Bioethics	3 hrs
<a href="#">ANE 810</a>	Health and Wellness in the Healthcare Setting	3 hrs

## Second Year

Course Code	Course Title	Credit Hours
<a href="#">ANE 897</a>	Research for Scholarly Project	3 hrs
<a href="#">ECO 604</a>	Healthcare Economics	3 hrs
<a href="#">ANE 803</a>	Human Factors and Patient Safety in Healthcare	3 hrs

## Third Year

Course Code	Course Title	Credit Hours
<a href="#"><u>ANE 806</u></a>	Professional Practice In Anesthesia	3 hrs
<a href="#"><u>ANE 807</u></a>	Anesthesia and Healthcare Policy	3 hrs
<a href="#"><u>ANE 898</u></a>	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 non-ANE 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 candidate must pass oral and 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. BS to DNAP candidates, during the clinical phase (years 2 and 3), will carry liability insurance purchased through the AANA.
9. For MS to DNAP candidates, an \$833.00 program fee will be applied to each class. For BS to DNAP candidates, a \$2500.00 program fee will be applied to each semester (Summer, Fall and Spring).



# Dietetic Internship

## Graduate programs

### Dietetic Internship Certificate

#### 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.

#### 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 with a preferred minimum score of 150 in Verbal, 141 in Quantitative, and 4 in the Writing Sections.

5. Completed application form.
6. A personal philosophy statement not longer than 1,000 words that addresses the applicant's professional career goals and how the DI program will help accomplish these goals.
7. Students for whom English is a second language must earn a minimum score of 600 (paper-based), 250 (computer-based), or 100 (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 number of hours of 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**

Course Code	Course Title	Credits

<a href="#"><u>DTN 740</u></a>	Medical Nutrition Therapy I Practicum	3 hrs
<a href="#"><u>DTN 741</u></a>	Medical Nutrition Therapy II Practicum	3 hrs
<a href="#"><u>DTN 742</u></a>	Public Health Nutrition Practicum	3 hrs
<a href="#"><u>DTN 743</u></a>	Food Service Management Practicum	3 hrs
<a href="#"><u>DTN 744</u></a>	Practicum in Area of Concentration	3 hrs
<a href="#"><u>DTN 745</u></a>	Topics and Issues in Dietetics	3 hrs

# Department of Communication Sciences and Disorders

## Programs

✚ Includes accelerated master's option

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### 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)

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### Doctoral programs

[Audiology](#) (AuD)

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### 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

## Contact

### Department Head

Letitia White

### Office

(MS)

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237

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417-836-5368

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@MissouriState.edu](mailto:CommunicationSciencesandDisc@MissouriState.edu)

**Website**

[missouristate.edu/csd](http://missouristate.edu/csd)

# Communication Sciences and Disorders Graduate Faculty

## Professors

[Klaas Bakker](#)

[Wafaa Kaf](#)

[Julie J. Masterson](#)

[Lisa A. Proctor](#)

[Letitia White](#)

## Associate professors

[Thomas C. Franklin](#)

[Alana Mantie-Kozlowski](#)

## Assistant professors

[Abdullah Jamos](#)

[Sarah Lockenvitz](#)

[Shurita Thomas-Tate](#)

## Clinical professors

[Deborah Cron](#)

[Karen Engler](#)

## Clinical assistant professors

[Sarah Barber](#)

Edith Boyce

[Jennifer Kerr](#)

[Holly Metcalf](#)

## Adjunct faculty

Flint A. Boettcher

Paul Carter

Mark Chertoff

Judith Cho Lieu

Ali Asghar Danesh

Saravanan Elangovan

Brian T. Faddis

John Ferraro

Lisa Geier

Jeffery Lichtenhan

Aaron Steinman

Mark John Van Ess

Erdem Yavuz

## Clinical associate professors

[Tara L. Holland-Oetting](#)

## Emeritus professors

[Neil J. DiSarno](#)

Harold W. Meyers, Jr.

[Ronald Netsell](#)

**NOTE: Admission Requirements, Application Requirements/Deadlines, and Retention Requirements apply to all graduate programs in the Communication Sciences and Disorders Department.**



# Communication Sciences and Disorders Courses

## Communication Sciences and Disorders (CSD) courses

### **CSD 621 Sign Language: Signed English I**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

**CSD 631 Sign Language: Signed English II**

*Prerequisite: CSD 321 or CSD 621; and permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**CSD 636 Introduction to American Sign Language (ASL)**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

organizations; and recognition of potential external influences that may impact treatment objectives and length of intervention.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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

### **CSD 637 Introduction to American Sign Language (ASL) II**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **CSD 638 Introduction to American Sign Language (ASL) III**

*Prerequisite: CSD 637 and permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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.

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 639 Introduction to American Sign Language (ASL) IV**

*Prerequisite: CSD 638 and permission.*

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. 3(-0) S

**Credit hours:**   **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:**

[Projected offerings](#)

### **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:** 3   **Lecture contact hours:** 3

**Credit hours:** 1   **Lecture contact hours:** 1

**Lab contact hours:** 0

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **CSD 795 Advanced Clinical Practice**

*Prerequisite: CSD 712 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. Supplemental course fee.

**Credit hours:** 1-6   **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **CSD 796 Supervised Teaching**

*Prerequisite: CSD 712 or concurrent enrollment.*

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:** 8   **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 685 Development, Diversity, and Deafness**

[Projected offerings](#)

### **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:** 1-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **CSD 799 Masters Thesis**

*Prerequisite: CSD 712 or concurrent enrollment.*

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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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 placed on conducting clinical research and evaluating published research findings in audiology.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CSD 807 Auditory System: Physiology/Neurophysiology**

*Prerequisite: permission.*

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.

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 834 Diagnostic Audiology I**

*Prerequisite: CSD 807 or concurrent enrollment.*

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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

**CSD 712 Child Language I**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**CSD 714 Language Disorders: Rehabilitation**

*Prerequisite: CSD 712 or concurrent enrollment.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**CSD 842 Vestibular Assessment and Rehabilitation**

*Prerequisite: CSD 807 or concurrent enrollment.*

An examination of the physiological aspects of the



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **CSD 716 Craniofacial Anomalies**

*Prerequisite: CSD 712 or concurrent enrollment.*

The study of communication and associated problems related to congenital and acquired

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: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

craniofacial anomalies. Emphasis on interdisciplinary procedures relative to amelioration of communication deficits manifest in these anomalies.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 718 Fluency Disorders**

Theoretical, clinical, and experimental approaches to the study and treatment of fluency disorders.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Summer

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Summer

[Projected offerings](#)

### **CSD 724 Aphasia**

*Prerequisite: CSD 712 or concurrent enrollment.*

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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,

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

speech audiometric test procedures and clinical masking procedures.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **CSD 852 Advanced Hearing Science**

*Prerequisite: CSD 807 or concurrent enrollment.*

Acoustics and physical measures involving the properties of sound as well as psychoacoustics and sound perception.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 729 Cognitively-Based Communication Disorders**

*Prerequisite: permission.*

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.

### **CSD 866 Counseling in Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 733 Introduction to Augmentative and Alternative Communication**

*Prerequisite: permission.*

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

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

developmental disabilities and individuals with acquired disabilities.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CSD 876 Hearing Conservation and Calibration**

*Prerequisite: CSD 807 or concurrent enrollment.*

This course will prepare the audiologist to meet

**Typically offered:** Summer

[Projected offerings](#)

### **CSD 758 Early Intervention Assessment: Deaf and Hard of Hearing**

*Prerequisite: permission.*

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **CSD 759 Early Intervention: Deaf and Hard of Hearing**

*Prerequisite: permission.*

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 878 Professional Issues in Audiology**

*Prerequisite: CSD 807 or concurrent enrollment.*

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

[Projected offerings](#)**CSD 760 Language Development: Deaf and Hard of Hearing I**

*Prerequisite: permission.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**CSD 761 Language Development: Deaf and Hard of Hearing II**

*Prerequisite: permission.*

Methods, strategies, and techniques of language development that may be applied in assessing and instructing students with hearing losses.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

**CSD 762 Speech Development: Deaf and Hard of Hearing I**

*Prerequisite: permission.*

**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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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



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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CSD 763 Auditory Development: Deaf and Hard of Hearing**

*Prerequisite: permission.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CSD 764 Instructional Strategies: Deaf and Hard of Hearing**

*Prerequisite: permission.*

Development of instructional strategies for

a minimum of 3 hours.

**Credit hours: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 765 Reading: Deaf and Hard of Hearing**

*Prerequisite: permission.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 766 Counseling: Deaf and Hard of Hearing**

*Prerequisite: permission.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

### **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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSD 946 Genetics and Hearing Loss**

*Prerequisite: CSD 807 or concurrent enrollment.*

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 783 Physiological Phonetics**

Provides basic understanding of genetic terminology, cell biology (mitosis and meiosis), DNA structure and function, introduction to genetic aspects of hearing loss, mode of inheritance, pedigree chart, syndromic and nonsyndromic hearing loss, molecular aspects to nonsyndromic hearing loss, epidemiology of hearing loss, and genetic screening and diagnosis. Also, issues related to genetic testing, impact on families, bioethics and cultural issues in deaf community, and genetic counseling will be discussed. Course will also cover the current research about human genome and its relation to diagnosis and treatment of hearing loss. Several case studies and hands-on activities will be presented to incorporate course materials and class discussion.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

*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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSD 784 Non-Thesis Project**

*Prerequisite: CSD 712 or concurrent enrollment.*

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: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-9    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Communication Sciences and Disorders: Education of the Deaf and Hard of Hearing

## Graduate programs

### **Master of Science, Communication Sciences and Disorders, Education of the Deaf and Hard of Hearing**

#### **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 Graduate College. For more information on this please refer to the Graduate College web page at <http://graduate.missouristate.edu>. The application deadline is January 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. 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.

### **Education of the Deaf and Hard of Hearing additional admission requirements**

The following 3 components should be mailed or faxed directly to the department at: Communication Sciences and Disorders, Missouri State University, 901 S National Ave., Springfield, MO 65987; Phone 417-836-5368; Fax 417-836-4242.

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 <http://www.missouristate.edu/StudentConduct/12331.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.

## 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
<a href="#">CSD 760</a>	Language Development: Deaf and Hard of Hearing I	3 hrs

#### Spring 1

Course Code	Course Title	Credits
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<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	3 hrs
<a href="#"><u>CSD 762</u></a>	Speech Development: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 763</u></a>	Auditory Development: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	1 hrs

### Summer 1

Course Code	Course Title	Credits
<a href="#"><u>CSD 758</u></a>	Early Intervention Assessment: Deaf & Hard of Hearing	2 hrs
<a href="#"><u>CSD 759</u></a>	Early Intervention: Deaf and Hard of Hearing	2 hrs
<a href="#"><u>CSD 761</u></a>	Language Development: Deaf and Hard of Hearing II	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	2 hrs

### Fall 2

Course Code	Course Title	Credits
<a href="#"><u>CSD 764</u></a>	Instructional Strategies: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 765</u></a>	Reading: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice Off-Site	3 hrs
<a href="#"><u>CSD 784</u></a>	Non-Thesis Project	3 hrs
<b>OR</b>		
<a href="#"><u>CSD 799</u></a>	Master's Thesis	3 hrs
<a href="#"><u>CSD 766</u></a>	Counseling: Deaf and Hard of Hearing	3 hrs

**Graduate spring**

Course Code	Course Title	Credits
<a href="#">CSD 796</a>	Supervised Teaching	8 hrs
<a href="#">CSD 784</a>	Non-Thesis Project	1 hrs
<b>OR</b>		
<a href="#">CSD 799</a>	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
<a href="#">CSD 312</a>	Normal Language Acquisition (also offered in fall & summer)	3 hrs

<a href="#"><u>CSD 321</u></a>	Conceptually Accurate Signed English I (also offered in the spring)	3 hrs
<a href="#"><u>CSD 330</u></a>	Introduction to American Sign Language (ASL)	3 hrs
<a href="#"><u>CSD 380</u></a>	Development, Diversity and Deafness	3 hrs
<a href="#"><u>CSD 360</u></a>	Hearing Science	3 hrs
<a href="#"><u>RDG 318</u></a>	Foundations of Reading Instruction	3 hrs

### Junior spring

Course Code	Course Title	Credits
<a href="#"><u>CSD 322</u></a>	Conceptually Accurate Signed English II	3 hrs
<a href="#"><u>CSD 331</u></a>	American Sign Language (ASL) II	3 hrs
<a href="#"><u>CSD 370</u></a>	Audiology	3 hrs
<a href="#"><u>CSD 562</u></a>	Psycho-Social Implications of Being Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 572</u></a>	Aural Rehabilitation	3 hrs

### Senior fall

Course Code	Course Title	Credits
<a href="#"><u>CSD 497</u></a>	Observation Clinical Practicum (MSU Preschool Program for D/HH)	<a href="#"><u>3 hrs</u></a>
<a href="#"><u>CSD 760</u></a>	Language Development: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>EDC 345</u></a>	Introduction to Multicultural Education and Diversity	3 hrs
<a href="#"><u>MTH 320</u></a>	Foundations of Mathematics for Teachers	3 hrs

### Senior spring

Course Code	Course Title	Credits
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	3 hrs
<a href="#"><u>CSD 762</u></a>	Speech Development: Deaf and Hard of Hearing I	3 hrs
<a href="#"><u>CSD 763</u></a>	Speech Development: Deaf and Hard of Hearing II	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	1 hrs
<a href="#"><u>RDG 474</u></a>	Reading and Creative Writing in the Content Field	3 hrs

### Graduate summer

Course Code	Course Title	Credits
<a href="#"><u>CSD 761</u></a>	Language Development: Deaf and Hard of Hearing II	3 hrs
<a href="#"><u>CSD 758</u></a>	Early Intervention Assessment: Deaf & Hard of Hearing I	2 hrs
<a href="#"><u>CSD 759</u></a>	Early Intervention: Deaf and Hard of Hearing II	2 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice	2 hrs

### Graduate fall

Course Code	Course Title	Credits
<a href="#"><u>CSD 764</u></a>	Instructional Strategies and Assessment: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 765</u></a>	Reading: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice Off-Site	3 hrs
<a href="#"><u>CSD 784</u></a>	Non-Thesis Project	3 hrs

**OR**

<a href="#">CSD 799</a>	Master's Thesis	3 hrs
<a href="#">CSD 766</a>	Counseling: Deaf and Hard of Hearing	3 hrs

**Graduate spring**

Course Code	Course Title	Credits
<a href="#">CSD 796</a>	Supervised Teaching	8 hrs
<a href="#">CSD 784</a>	Non-Thesis Project	1 hrs
<b>OR</b>		
<a href="#">CSD 799</a>	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**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 636</u></a>	American Sign Language I	3 hrs
<a href="#"><u>CSD 780</u></a>	Development, Diversity and Deafness	3 hrs
<a href="#"><u>CSD 497</u></a>	Observation Clinical Practicum (MSU Preschool Program of D/HH)	3 hrs
<a href="#"><u>CSD 760</u></a>	Language Development: Deaf and Hard of Hearing I	3 hrs

**Spring 1**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 637</u></a>	American Sign Language II	3 hrs
<a href="#"><u>CSD 669</u></a>	Psycho-Social Implications of Being Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 762</u></a>	Speech Development: Deaf and Hard of Hearing I	3 hrs

**Summer 1**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 761</u></a>	Language Development: Deaf and Hard of Hearing II	3 hrs
<a href="#"><u>CSD 758</u></a>	Early Intervention Assessment: Deaf and Hard of Hearing I	2 hrs
<a href="#"><u>CSD 759</u></a>	Early Intervention: Deaf and Hard of Hearing II	2 hrs

**Fall 2**

<b>Course</b>	<b>Course Title</b>	<b>Credits</b>
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<b>Code</b>		
<a href="#"><u>CSD 764</u></a>	Instructional Strategies and Assessment: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 765</u></a>	Reading: Deaf and Hard of Hearing	3 hrs
<a href="#"><u>CSD 784</u></a>	Non-Thesis Project	1 hrs
<b>OR</b>		
<a href="#"><u>CSD 799</u></a>	Master's Thesis	3 hrs
<a href="#"><u>CSD 766</u></a>	Counseling: Deaf and Hard of Hearing	3 hrs

**Spring 2**

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice (MSU Preschool Program for D/HH)	3 hrs
<a href="#"><u>CSD 763</u></a>	Speech Development: Deaf and Hard of Hearing II	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice (MSU Preschool Program for D/HH)	1 hr
<a href="#"><u>CSD 784</u></a>	Non-Thesis Project	3 hrs
<b>OR</b>		
<a href="#"><u>CSD 799</u></a>	Master's Thesis	3 hrs

# Communication Sciences and Disorders: Speech-Language Pathology

## Master of Science, Communication Sciences and Disorders, Speech-Language Pathology

### 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 Ph.D. 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 withing 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. For instructions on the CSDCAS application process, please visit the CSDCAS website at <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 ([http://www.missouristate.edu/assets/csd/CSD\\_handbook.pdf](http://www.missouristate.edu/assets/csd/CSD_handbook.pdf)).
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 <http://www.missouristate.edu/StudentConduct/12331.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
<a href="#"><u>CSD 718</u></a>	Fluency Disorders	2 hrs
<a href="#"><u>CSD 729</u></a>	Cognitively-Based Communication Disorders	2 hrs
<a href="#"><u>CSD 720</u></a>	Voice Disorders	2 hrs

#### Fall 1

Course Code	Course Title	Credits
<a href="#"><u>CSD 728</u></a>	Advanced Study of Phonological (Speech Sound) Disorders in Children	3 hrs
<a href="#"><u>CSD 712</u></a>	Child Language I	3 hrs
<a href="#"><u>CSD 713</u></a>	Child Language II	3 hrs
<a href="#"><u>CSD 724</u></a>	Aphasia	3 hrs
<a href="#"><u>CSD 795</u></a>	Advanced Clinical Practice (Clinical Practicum)	2 hrs

#### Spring 1

Course Code	Course Title	Credits
<a href="#"><u>CSD 702</u></a>	Research Methods in Communication Disorders	3 hrs
<a href="#"><u>CSD 725</u></a>	Motor Speech Disorders	3 hrs

<u>CSD 733</u>	Introduction to Augmentative & Alternative Communication	3 hrs
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<u>CSD 795</u>	Advanced Clinical Practice (Clinical Practicum)	4 hrs
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## Summer 2

Course Code	Course Title	Credits
<u>CSD 718</u>	Fluency Disorders (if not taken Summer 1)	2 hrs
<u>CSD 733</u>	Introduction to Augmentative and Alternative Communication (if not taken in 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 <b>OR</b>	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 732</u>	Speech and Language Assessment and Treatment for Special Populations	3 hrs
<u>CSD 784</u>	Non-Thesis Project <b>OR</b>	1 hr
<u>CSD 799</u>	Masters Thesis	2 hrs
<u>CSD 795</u>	Advanced Clinical Practice (Clinical Practicum)	4 hrs

## Spring 2



<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<u>CSD 791</u>	Professional Issues in Speech-Language Pathology	3 hrs
<u>CSD 784</u>	Non-Thesis Project <b>OR</b>	1 hr
<u>CSD 799</u>	Masters Thesis	2 hrs
<u>CSD 797</u>	Speech-Language Pathology Externship	6 hrs

# Audiology

## Graduate programs

### Doctor of Audiology

#### Program description

The Au.D. program in the Department of Communication Sciences and Disorders is a full-time doctoral program requiring a minimum of 105 credit hours based on transcript evaluation, over approximately four (4) years consisting of both academic course work and clinical practicum.

The Au.D. 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.

Full admission to the program 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 course.
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).
4. Letters of recommendation. Three letters of recommendation are required. At least two of the

three must speak to the student's academic potential for graduate school (i.e., current/former instructors/professors).

**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>.

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 105 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. Submission of 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 GPA of 3.00.
2. 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 ([http://www.missouristate.edu/assets/csd/CSD\\_handbook.pdf](http://www.missouristate.edu/assets/csd/CSD_handbook.pdf)).
4. Professionalism is expected and HIPAA policies are enforced. Student who violate HIPAA policies and/or display a lack of professionalism 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 <http://www.missouristate.edu/StudentConduct/12331.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.

## Doctor of Audiology (Au.D.) curriculum

### First year

Fall 13 credits

Course Code	Course Title	Credits
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<a href="#"><u>CSD 852</u></a>	Advanced Hearing Science	3 hrs
<a href="#"><u>CSD 834</u></a>	Diagnostic Audiology I	3 hrs
<a href="#"><u>CSD 849</u></a>	Basic Audiometry	3 hrs
<a href="#"><u>CSD 807</u></a>	Auditory System Physiology/Neurophysiology	3 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	1 hr

Spring 12 or 15 credits

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 868</u></a>	Amplification Systems I	3 hrs
<a href="#"><u>CSD 873</u></a>	Educational Audiology	3 hrs
<a href="#"><u>CSD 875</u></a>	Medical Audiology	3 hrs
<a href="#"><u>CSD 621</u></a>	Sign Language I*	3 hrs
<a href="#"><u>CSD 878</u></a>	Professional Issues	2 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	1 hr

\*If taken at the undergraduate level, sign language is not needed at the graduate level

Summer 8 credits

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
<a href="#"><u>CSD 850</u></a>	Pediatric Audiology	3 hrs
<a href="#"><u>CSD 876</u></a>	Hearing Conservation and Calibration	3 hrs
<a href="#"><u>CSD 880</u></a>	Grand Rounds	1 hr
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	1 hr

**Second year**

Fall 12 credits

Course Code	Course Title	Credits
<a href="#"><u>CSD 835</u></a>	Auditory Electrophysiology I	3 hrs
<a href="#"><u>CSD 871</u></a>	Amplification Systems II	3 hrs
<a href="#"><u>CSD 842</u></a>	Vestibular Assessment and Rehabilitation	4 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	2 hr

Spring 11 credits

Course Code	Course Title	Credits
<a href="#"><u>CSD 800</u></a>	Research Methods in Audiology	3 hrs
<a href="#"><u>CSD 844</u></a>	Auditory Electrophysiology II	4 hrs
<a href="#"><u>PTE 750</u></a>	Research Outcome and Analysis	2 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	2 hr

Summer 9 credits

Course Code	Course Title	Credits
<a href="#"><u>CSD 972</u></a>	Advanced Auditory Rehabilitation	3 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	2 hrs
<a href="#"><u>CSD 880</u></a>	Ground Rounds	2 hrs
<a href="#"><u>CSD 884</u></a>	Doctoral Project	2 hrs
<b>OR</b>		
<a href="#"><u>CSD 999</u></a>	Doctoral Thesis	2 hr



**Third year**

Fall 10 credits

Course Code	Course Title	Credits
<a href="#"><u>CSD 900</u></a>	Externship Preparation	1 hr
<a href="#"><u>CSD 945</u></a>	Central Auditory Processing Disorders	3 hrs
<a href="#"><u>CSD 946</u></a>	Genetics and Hearing Loss	1 hr
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	3 hrs
<a href="#"><u>CSD 884</u></a>	Doctoral Project	2 hrs
<b>OR</b>		
<a href="#"><u>CSD 999</u></a>	Doctoral Thesis	2 hrs

Spring 10 credits

Course Code	Course Title	Credits
<a href="#"><u>CSD 848</u></a>	Cochlear Implants and Other Assistive Listening Devices	3 hrs
<a href="#"><u>CSD 879</u></a>	Practice Management	2 hrs
<a href="#"><u>CSD 895</u></a>	Advanced Clinical Practice	3 hrs
<a href="#"><u>CSD 884</u></a>	Doctoral Project	2 hrs
<b>OR</b>		
<a href="#"><u>CSD 999</u></a>	Doctoral Thesis	2 hrs

Summer 6 credits

Course	Course Title	Credits
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**Code**

<u>CSD 996</u>	Audiology Externship	6 hrs
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**Fourth year**

Fall 9 credits

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
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<u>CSD 996</u>	Audiology Externship	9 hrs
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Spring 9 credits

<b>Course Code</b>	<b>Course Title</b>	<b>Credits</b>
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<u>CSD 996</u>	Audiology Externship	9 hrs
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**Program accreditation**

The AuD program is accredited by the Council on Academic Accreditation (CAA) of the American Speech-Language-Hearing Association.

# Education of the Deaf and Hard of Hearing Certificate

## Education of the Deaf and Hard of Hearing Online Graduate Certificate

### Karen Engler, Certificate Advisor

Professional Building, Room 258, Phone (417) 836-6674

[kae68@missouristate.edu](mailto:kae68@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 non-degree 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. Apply and be admitted to the Graduate College.

### EDHH online graduate certificate curriculum

Course Code	Course Title	Credits
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<u>CSD 762</u>	Speech Development: Deaf and Hard of Hearing	3 hrs
<u>CSD 766</u>	Counseling: Deaf and Hard of Hearing	3 hrs
<u>CSD 765</u>	Reading: Deaf and Hard of Hearing	3 hrs
<u>CSD 760</u>	Language Development: Deaf and Hard of Hearing	3 hrs
<u>CSD 759</u>	Early Intervention: Deaf and Hard of Hearing	2 hrs
<b>TOTAL</b>		<b>14 hrs</b>

# Department of Kinesiology

## Programs

✚Includes accelerated master's option

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## Master's programs

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

[Secondary Education with an option in Physical Education](#) (MSEd)

[Administrative Studies: Sports Management Option](#) (MS)

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## Certificates

[Sports Management](#) (Certificate)

## Accreditation

- Missouri Department of Elementary and Secondary Education – Physical Education (BSEd), and Secondary Education/Physical 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)

## Contact

### Department head

Sarah McCallister

### Office

McDonald Arena, Room 103

### Phone

417-836-5370

**Fax**

417-836-5371

**Email**

[KIN@missouristate.edu](mailto:KIN@missouristate.edu)

**Website**

[missouristate.edu/kinesiology](http://missouristate.edu/kinesiology)

# Kinesiology Graduate Faculty

## Professors

[Barbara A. Bushman](#)

[Gerald Masterson](#)

[Sarah G. McCallister](#)

[Rhonda R. Ridinger](#)

[Daniel J. Wilson](#)

[Rebecca Woodard](#)

## Associate professors

[Thomas S. Altena](#)

[John H. Downing](#)

[Hugh Gibson](#)

[Yating Liang](#)

[Melinda Novik](#)

## Emeritus professors

A. Duane Addleman

[Thomas H. Burnett](#)

Nancy L. Curry

Steve Illum

[Perry F. Miller](#)

[David T. Oatman](#)

George E. Simpson

Peggy J. Thomas

[Alex D. Trombetta](#)

[Tillman D. Williams](#)

# Kinesiology Courses

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### HLH 750 Programming Approaches in Wellness/Health Promotion

Organizational and administrative approaches

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### 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



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

## **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

planning, public relations, legal considerations, and grant-writing. Includes guided development and completion of an extensive research paper.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

### **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 for both KIN 600 and KIN 500.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **KIN 759 Contemporary Health Problems**

In-depth consideration of relevant pertinent health issues, trends, controversy, and current research in Health Education.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **KIN 669 Health Appraisal and Exercise Testing Techniques**

Introduction to appropriate health appraisal and exercise tests for the purpose of exercise programming and prescription. Supplemental course fee. May be taught concurrently with KIN 569. Cannot receive credit for both KIN 669 and KIN 569.

**Credit hours: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **KIN 780 Legal Aspects in Sports, Physical Education, and Wellness Programs**

[Projected offerings](#)**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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

Projected offerings**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

Projected offerings

**KIN 733 Current Problems in Sports****Administration**

Identification, analysis, and evaluation of current problems, research and trends in sports administration.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

Projected offerings

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

findings and implications for further study.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

Projected offerings

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

Projected offerings

**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

**Typically offered:** Upon demand

[Projected offerings](#)

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:** 6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Health Promotion and Wellness Management

## Graduate programs

### Master of Science, Health Promotion and Wellness Management

**Melinda Novik, Program Coordinator**

Phone 836-3168;

[MelindaNovik@missouristate.edu](mailto:MelindaNovik@missouristate.edu)

#### Program description

The Master of Science in Health Promotion and Wellness Management is a 36-37 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 scientific and clinical knowledge of preventive medicine, behavioral psychology, health care economics, 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. Students are prepared for careers as managers and program development specialists/educators of health and wellness programs in hospital or corporate-based wellness settings, health maintenance organizations, governmental agencies, educational institutions, private fitness clubs, sports medicine facilities, and volunteer agencies.

Curricular activities are complemented by research opportunities in the well-equipped exercise science laboratory. Diverse practical experience opportunities are provided in conjunction with the campus wellness initiative directed by the Health Education Coordinator in Taylor Health Center and with the expanding clinical and community facilities in the Springfield metropolitan area.

The Public Affairs mission (and the three pillars of Ethical Leadership, Cultural Competence, and Community Engagement) are 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.
3. Submission of Graduate Record Examination (GRE) scores from the General Examination.
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.

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	Course Title	Credit
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Code		Hours
<a href="#">HLH 700</a>	Research Methods in Kinesiology	3 hrs
<a href="#">HLH 710</a>	Introduction to Health Promotion and Wellness Management	3 hrs
<a href="#">HLH 750</a>	Programming Approaches in Wellness/Health Promotion	3 hrs
<a href="#">HLH 752</a>	Health Risk Identification and Management	3 hrs
<a href="#">HLH 760</a>	Health Promotion Planning	3 hrs

## 2. Choose from the following electives (9-10 hours)

Course Code	Course Title	Credit Hours
<a href="#">KIN 667</a>	Physical and Leisure Activities for the Aging Adult	3 hrs
<a href="#">KIN 669</a>	Health Appraisal and Exercise Testing Techniques	4 hrs
<a href="#">KIN 682</a>	Motivational Interviewing for Health Professionals	3 hrs
<a href="#">KIN 705</a>	Applied Statistics in Kinesiology	3 hrs
<a href="#">KIN 737</a>	Curriculum Designs in Physical Education	3 hrs
<a href="#">KIN 755</a>	Fitness as Preventive Medicine	3 hrs
<a href="#">KIN 759</a>	Contemporary Health Problems	3 hrs
<a href="#">KIN 760</a>	Applied Biomechanics of Human Movement	3 hrs
<a href="#">KIN 762</a>	Applied Exercise Physiology	3 hrs
<a href="#">KIN 797</a>	Graduate Seminar	1-3 hrs
<a href="#">KIN 781</a>	Contemporary Issues in Physical Education	3 hrs
<a href="#">MGT 600</a>	Administrative, Organizational, and Operations Concepts for Managers	3 hrs
<a href="#">PLS 651</a>	Administrative Law	3 hrs
<a href="#">ECO 604/</a>	Health Care Economics <b>OR</b>	

HCM 604COM 736 Concepts and Analysis of Communication in Organizations **OR**MGT 764 Organizational Behavior **OR**PSY 718 Organizational Psychology 3 hrs**3. Internship**HLH 791 Wellness Internship **1-6 hrs**

Supervised work in an approved health promotion/ health care setting. As a culminating experience, the internship is crucial to the Program. Students must complete a minimum of 400-600 clinical hours.

The intern experience (HLH 791) 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.

Application deadlines for HLH 791 are as follows: Fall - March 1; Spring - September 1; Summer - January 1. Applications are available from, and are to be returned to, the graduate coordinator.

**4. Research**KIN 799 Thesis **OR** 6 hrs (hours may be divided over 2 semesters)KIN 795 Research Project 3 hrs**PLUS** Completion of 700-level 3 hr course  
selected with Advisor 3 hrs

**5. Comprehensive Examination.** A written comprehensive examination must be passed by the candidate before a degree will be granted.

# Secondary Education: Physical Education Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Physical Education Area of Emphasis

Contact area of emphasis advisor Dr. Amanda Perkins.

#### Amanda Perkins, Coordinator

McDonald Arena, Room 204B; Phone 836-3299

[AmandaPerkins@missouristate.edu](mailto:AmandaPerkins@missouristate.edu)

### **MSED, SECONDARY EDUCATION, PHYSICAL EDUCATION IS NOT ACCEPTING APPLICATIONS AT THIS TIME**

See program requirements for the [MSEd, Secondary Education](#).

## Physical Education requirements

[KIN 705](#) Applied Statistics in Health, Physical Education and Recreation

3 hrs

Additional courses numbered 700 or above offered by Kinesiology (excluding [KIN 795](#) or [799](#))

12 hrs

**Total**

**15 hrs**

# Administrative Studies: Sports Management Option

## Graduate programs

### Master of Science, Administrative Studies: Sports Management Option

The Department of Kinesiology participates in the Master of Science, Administrative Studies (MSAS) degree. The MSAS 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 [MSAS Program](#) 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](#) covers the research requirement for the MSAS program.

Required Courses (6 hours)

Course Code	Course Title	Credit Hours
<a href="#">KIN 739</a>	Principles of Sports Management	3 hrs
<a href="#">KIN 780</a>	Legal Aspects in Sports, Physical Education, Recreation and Wellness Programs	3 hrs
<a href="#">KIN 733</a>	Current Problems in Sports Administration	3 hrs
<a href="#">KIN 798</a>	Field Experience in Sports Management	6 hrs

# Sports Management

## Graduate programs

### Sports Management Certificate

**Gerald Masterson, Certificate Advisor**

MacDonald Arena, Room 22; Phone 836-5251

[JerryMasterson@missouristate.edu](mailto:JerryMasterson@missouristate.edu)

### Program description

The Sports Management Certificate Program is an 18 hours program, that includes four 3-credit hour courses and one six-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. Admission to the Graduate College at Missouri State University.
2. Baccalaureate degree from an accredited college or university.
3. Cumulative GPA of 2.80 on a 4.00 scale in undergraduate work.
4. Combined minimum score on the GRE verbal and quantitative of 1000.

### Certificate requirements

#### a. Required courses

**12 hrs**

Course Code	Course Title	Credit Hours
<a href="#">KIN 739</a>	Principles of Sports Management	3 hrs
<a href="#">KIN 780</a>	Legal Aspects in Sports, Physical Education, Recreation and Wellness Programs	3 hrs
<a href="#">KIN 733</a>	Current Problems in Sports Administration	3 hrs

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ACC 600 Accounting Concepts for Managers

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3 hrs

(Note: Students with significant academic experience, such as a major or a minor in accounting, should substitute KIN 600 Seminar in Physical Education)

1. **KIN 798 Field Experience** **6 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 12 credit hours required in the certificate program.

2. **Requirements for completion of certificate**

- a. Completion of required courses.
- b. Completion of the field experience.
- c. Maintain a GPA of 3.00
- d. A written comprehensive examination must be passed before a certificate will be granted.

# School of Nursing

## Programs

✚Includes accelerated master's option

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## Master's programs

[Nursing](#) (MSN) ✚

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## Doctoral programs

[Nursing Practice](#) (DNP)

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## Certificates

[Post-Master's Nurse Educator](#) (Certificate)

## Accreditation

Commission of Collegiate Nursing Education - all MSN and Post Master's Certificate programs.

## Contact

### Director

Kathryn L. Hope

### Office

Professional Building, Room  
300

### Phone

417-836-5310

**Fax**

417-836-5484

**Email**

[Nursing@missouristate.edu](mailto:Nursing@missouristate.edu)

**Website**

[missouristate.edu/nursing](http://missouristate.edu/nursing)



# Nursing Graduate Faculty

## Professors

[Kathryn L. Hope](#)

[Rose Utley](#)

## Associate professor

[Susan Berg](#)

[Rhea Faye D. Felicilda](#)

## Assistant professors

[Kristina Henry](#)

[Melissa Penkalski](#)

## Clinical assistant professors

[Jan Atwell](#)

[Carolyn Graves](#)

[Kathryn Patterson](#)

## Clinical supervisor

[Ashley Kubik](#)

## Instructors

[Carol Daniel](#)

[Lucretia Smith](#)

## Adjunct faculty

Ludella Brown

[Shanna D. DeWater](#)

GeorgAnn M. Greissinger

Dan Johnson

Janice Jones

Malinda K. Kendrick

Katrina M. Kovarik-Stevens

John James Lorette, Jr.

Angela K. Powers

Gale Roberts

Guy H. Ruddick

Donna Christine Wilson

## Emeritus faculty

[Elizabeth M. Fahey](#)

[Caroline A. Helton](#)

[Susan S. Sims-Giddens](#)

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### NUR 632 Rural Health

### NUR 772 Advanced Research Methods in Nursing

*Prerequisite: admission to the graduate programs 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### NUR 780 Teaching/Learning for Health Care Educators

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

*Prerequisite: admission to the Nurse Educator specialization.*

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **NUR 781 Nursing Education Practicum**

*Prerequisite: admission to the Nurse Educator specialization.*

Clinical experience in a nurse educator role in a basic education program. Application of educational theories and principles in a clinical teaching setting. Includes clinical experiences of not less than 96 hours.

**Credit hours: 2    Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **NUR 782 Curriculum Design and Program Development**

*Prerequisite: admission to the Nurse Educator specialization.*

Basic components and processes of curriculum development. Various perspectives of curriculum

systems relevant to health care. Cannot receive credit for both NUR 515 and NUR 635.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **NUR 640 Advanced Human Pathophysiology**

*Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization or instructor permission.*

Exploration of pathophysiology with focus on health care problems relevant to nursing. Cannot receive credit for both NUR 565 and NUR 640.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

design will be discussed. Curriculums for formal educational programs, staff development, and continuing education will be compared.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:** 1

**Lab contact hours:** 3

**Typically offered:** Upon demand

[Projected offerings](#)

### **NUR 700 Epidemiology**

*Prerequisite: admission to the graduate programs 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.

**Credit hours:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **NUR 786 Issues in Healthcare Education**

*Prerequisite: admission to the Nurse Educator specialization.*

Exploration of current issues in academic and healthcare education. Issues occurring in the university, community college, acute care, and community education settings will be included.

**Credit hours:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **NUR 788 Health Policies and Issues**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Exploration of current issues in health care, such as access to health care, reimbursement, health care reform, case management, and health policy development. Health care trends related to special populations and ethical issues will be emphasized.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

Cannot receive credit for both NUR 700 and PBH 720.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **NUR 701 Nursing Science**

*Prerequisite: admission to the graduate programs 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **NUR 703 Population Health: A Local to Global Perspective**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

Fosters development of advanced knowledge of health concepts from a local, state, national, and global perspective. The phenomena of cultural competence, health disparities, and vulnerable/underserved populations will be explored. The course is a pre/corequisite for NUR 704, a cultural immersion course required for family nurse practitioner students.

### **NUR 790 Family Nurse Practitioner Advanced Practicum**

*Prerequisite: admission to the graduate programs 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. Supplemental course fee.

**Credit hours: 5 Lecture contact hours: 0**

**Lab contact hours: 15**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **NUR 797 Non-thesis Project**

*Prerequisite: admission to the Family Nurse Practitioner or Nurse Educator specialization.*

Active participation in the on-going research and/or nursing evaluation activities of nursing faculty. Culminates in a presentation of an extensive scholarly paper. Must be repeated for a minimum of 3 hours.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **NUR 798 Research**

*Prerequisite: permission of research advisor.*

Application of the research process in the supervised study of a selected problem. May be

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **NUR 704 Population Health Practicum**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

This course is a clinical component of NUR 703. The clinical experience will include 48 hours of immersion into a vulnerable, underserved or culturally diverse population.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 3**

**Typically offered:** Spring

[Projected offerings](#)

### **NUR 707 Advanced Health Assessment and Health Promotion Throughout the Lifespan**

*Prerequisite: admission to a graduate program in Nursing.*

Exploration of advanced health assessment and health promotion strategies for individuals, families, and communities. Includes consideration of diverse populations, cultural competence for providers, exploration of the meanings of health and illness, the use of complementary and alternative therapies, and the impact of spirituality.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

repeated for a maximum of 6 hours.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **NUR 800 DNP Leadership I: Concepts for Evidence-Based Practice**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This course explores 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.

**Credit hours: 3 Lecture contact hours: 3**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **NUR 715 Primary Care of the Adult**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

Emphasis on primary, secondary and tertiary prevention as well as on diagnosis and management of health problems. Includes clinical experiences of not less than 96 hours.

**Credit hours: 6 Lecture contact hours: 4**

**Lab contact hours: 6**

**Typically offered:** Spring

[Projected offerings](#)

### **NUR 725 Primary Care of Women**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **NUR 802 Emerging Science of Advanced Practice**

*Prerequisite: admission to the DNP Program.*

In this course, concepts, theories, and philosophical perspectives relevant to nursing science, research, and advanced nursing practice are examined. Emphasis is placed on exploring, analyzing, and applying concepts, theories, philosophies, and research applicable to the discipline of nursing in general, and to the student's area of advanced practice and research.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **NUR 820 Social Justice and Disparities in Health and Healthcare**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This course fosters development of advanced knowledge of cultural competence, health and healthcare disparity, and social justice concepts. The role of the advanced practice nurse in relation to cultural competence, health and healthcare disparity, and population health is analyzed.

**Credit hours: 2 Lecture contact hours: 2**



Development of the family nurse practitioner's knowledge and skills with emphasis on women's health. Includes clinical experiences of not less than 96 hours.

**Credit hours: 4    Lecture contact hours: 2**

**Lab contact hours: 6**

**Typically offered:** Fall

[Projected offerings](#)

### **NUR 728 Primary Care of Children and Adolescents**

*Prerequisite: admission to the Family Nurse Practitioner specialization.*

Content and practicum in primary care of children and adolescents. Includes clinical experiences of not less than 96 hours.

**Credit hours: 4    Lecture contact hours: 2**

**Lab contact hours: 6**

**Typically offered:** Summer

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 6    Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **NUR 824 Health Policy to Improve Health Disparities**

*Prerequisite: admission to the DNP Program.*

This course will analyze the development and implementation of health care policy and promote the role of the advanced practice nurse in policy making as an advocate for issues related to social justice, vulnerable populations, and health disparities.

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Lab contact hours:** 6

**Typically offered:** Fall  
[Projected offerings](#)

### **NUR 734 Advanced Physical Assessment and Clinical Reasoning**

*Prerequisite: admission to the graduate programs 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. Supplemental course fee. Identical with ANE 734. Cannot receive credit for both NUR 734 and ANE 734.

**Credit hours:** 5 **Lecture contact hours:** 3

**Lab contact hours:** 6

**Typically offered:** Fall  
[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 6 **Lecture contact hours:** 4

**Typically offered:** Fall  
[Projected offerings](#)

### **NUR 840 Technology for Transforming Nursing and Healthcare Systems**

*Prerequisite: admission to the DNP Program.*

This course is designed to provide an overview of nursing and healthcare information technology for the advanced practice nurse. 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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Spring  
[Projected offerings](#)

### **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

**Lab contact hours:** 6

**Typically offered:** Spring

[Projected offerings](#)

### **NUR 761 Advanced Pharmacotherapeutics**

*Prerequisite: admission to the graduate programs in nursing or permission of instructor.*

An in-depth analysis of pharmacotherapeutics and clinical pharmacotherapeutics for nurses in advanced practice including regulatory consideration in drug management. Identical to PAS 781. Cannot receive credit for both NUR 761 and PAS 781.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

roles, such as consultant, entrepreneur, grant writer, mentor, advanced advocate, and change agent will be included.

**Credit hours:** 4 **Lecture contact hours:** 4

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **NUR 990 Introduction to Transforming Practice**

*Prerequisite: admission to the DNP program and meet program progression requirements.*

This course utilizes foundational leadership and evidence-based practice concepts necessary to begin developing a health or healthcare systems change project. Skills applied include identifying research interests, project site, population, key stakeholders, and resources. An initial literature review will be developed to address a health and/or healthcare disparities problem. This course has no less than 48 hours of clinical.

**Credit hours:** 1 **Lecture contact hours:** 0

**Lab contact hours:** 3

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **NUR 991 Transforming Practice I**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

This DNP project course focuses on the application of concepts and skills necessary to plan an improvement change project to address health and/or healthcare disparities. Skills applied

**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. Supplemental course fee.

**Credit hours: 6 Lecture contact hours: 4**

**Lab contact hours: 6**

**Typically offered:** Fall

[Projected offerings](#)

include advanced leadership, project planning, budgeting, managing risk, and navigating project barriers. This course has no less than 144 hours of clinical.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 9**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**NUR 992 Transforming Practice II**

*Prerequisite: admission to the DNP Program and meet program progression requirements.*

During this course, an evidence-based project to transform practice within a healthcare system will be implemented and evaluated. The project will address disparities in health and/or healthcare, and data will be collected for project evaluation. A minimum of 144 clinical hours is required.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 9**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**NUR 993 Transforming Practice III**

*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. A minimum of 192 clinical hours is required.

**Credit hours: 4 Lecture contact hours: 0**

**Lab contact hours: 12**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Nursing

## Graduate programs

### Master of Science in Nursing

**to be announced**, Nurse Educator Program Director  
Professional Building, Room 200, Phone 836-5484  
[nursing@missouristate.edu](mailto:nursing@missouristate.edu)

### Program description

The School of Nursing offers a Master of Science in Nursing program with a specialization in nurse educator. The Nurse Educator is prepared to teach in a variety of academic and continuing education settings to diverse learners.

### Admission process

Admission to the Nurse Educator specialization is a two step process.

1. The applicant first applies to the Graduate College as a MSN Major. See admission requirements below.
2. Once accepted into the MSN program, an application to the specialization is submitted to the School of Nursing. See Nurse Educator specialization admission criteria below.

Students may take up to 9 credit hours of course work towards their specialization before full admission to the specialization. Students may take:

- a. [NUR 635](#) Healthcare Informatics
- b. [NUR 700](#) Epidemiology
- c. [NUR 703](#) Population Health: A Local to Global Perspective
- d. [PSY 627](#) Advanced Psychological Statistical Methods

Because of the limited resources, admission to the MSN program and the specializations are competitive and selective. Admission to the MSN program does not guarantee admission to the specialization.

## **Additional requirements**

### **Admission to the MSN Program**

1. Acceptance into the Graduate College at Missouri State University.
2. Submit an application to the MSN Program.
3. A cumulative GPA of 3.00 on a 4.00 scale in the last 60 hours of college course work attempted.
4. If the student's cumulative GPA is less than 3.00 on a 4.00 scale, submission of Graduate Record Examination (GRE) scores are required. See the Graduate College Admission section for current guidelines.
5. Completion of a baccalaureate degree with a major in nursing from a program accredited by the Commission on Collegiate Nursing Education (CCNE), the National League for Nursing Commission for Nursing Education Accreditation (CNEA), or Accreditation Commission for Education in Nursing (ACEN).
6. Successful completion with a grade of "C" or higher in undergraduate statistics, nursing research, and health assessment courses. Students who don't have these courses must take them prior to submitting an application.
7. Licensure as a registered nurse (RN) without disqualification and eligible for licensure in Missouri.
8. Applicants who: (a) have a bachelor's degree in nursing from a non-accredited program, or (b) have a bachelor's degree in nursing from a foreign country, will be considered on an individual basis.
9. Applicants who are RNs and have a non-nursing degree or a degree without upper division nursing courses will be evaluated on an individual basis prior to applying to the MSN program.

### **Admission to the MSN Specializations**

#### **Evidence of:**

1. Admission to the MSN program.
2. A one-page essay that addresses the applicant's professional career goals and how the MSN program will help accomplish these goals.
3. Current immunization (MMR, Tetanus, Varicella, complete Hepatitis B series) and a PPD (or evidence of appropriate medical follow-up for PPD positive individuals).

4. Current health insurance and nursing liability insurance for nurse educators.
5. Successful completion of prerequisites with a grade of "C-" or higher to include a graduate level or multivariate course in statistics, a course in nursing or healthcare informatics.
6. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification. Students taking CPR for the first time must take a 4 hour face-to-face American Heart Association BLS Healthcare for Provider's CPR course. Online didactic course and written test are available OnlineAHA.org for a fee for those students who need to recertify. No online practice and skills testing will be accepted.
7. Drug screening test and a criminal record check\* provided by the School of Nursing 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.

\*Students who fail these checks or procedures will be subject to further review by the School of Nursing Graduate Admission, Promotion and Graduation Committee. This may result in dismissal from the MSNA program and specialization.

Students with complete application materials for full admission will be reviewed by a departmental selection committee. Selection of students for the MSN program is on a competitive basis.

### **Nurse Educator Specialization**

Students accepted into the MSN Program and with a completed application to the Nurse Educator specialization will be considered for admission. Acceptance into the Nurse Educator specialization is ongoing and applications will be taken until the class is filled.

### **Additional requirements of the program**

Students will be required to initiate and pay for any additional security checks and drug screenings required for clinical agencies.

### **Probational Admission to the Program**

1. Probational admission may be granted to the applicant with a GPA below 3.00, or academic deficiencies.
2. 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.

3. Students on probationary status will be evaluated each semester by the Nursing Admission, Promotion, and Graduation Committee (APG), and a decision will be made on the student's status and a letter will be sent to the student regarding dismissal or continuation in the program.

## **Retention requirements**

After admission into the MSN program and continuing through full admission into the Nurse Educator specialization, students must achieve the following for retention in the program:

1. 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". Receive a "pass" in all clinical evaluations.
2. No more than one course may be repeated.
3. Students must complete all requirements for the degree by their 5th academic year after admission into the MSN specialization.
4. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
5. Demonstrate acceptable professional progression in application of skills and knowledge in the area of specialization.

## **Technological Requirements**

The Missouri State University MSN Program uses a combination of online and on-campus modalities. Didactic online content is delivered using asynchronous and synchronous formats. Applicants to the MSN program must be proficient using Blackboard (or other course platform 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, 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, the Adobe Connect software is used for synchronous course offerings and other experiences. Videoconferencing may be used with Adobe Connect or Skype software. Access to a personal computer with broadband (Cable or DSL) connections, a web camera, microphone with headset, and a laptop computer with wireless capabilities that meet the minimal hardware is required. Our multimedia content is optimized for Internet Explorer and Firefox.

## Degree Requirements (Minimum of 34 or 37 hours)

**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

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 701</u></a>	Nursing Science	3 hrs
<a href="#"><u>NUR 707</u></a>	Advanced Health Assessment and Health Promotion Throughout the Lifespan	2 hrs
<a href="#"><u>NUR 772</u></a>	Advanced Research Methods in Nursing	3 hrs
<a href="#"><u>NUR 788</u></a>	Health Policies and Issues	3 hrs
<a href="#"><u>NUR 797</u></a>	Non-thesis Project <b>OR</b>	3 hrs
<a href="#"><u>NUR 799</u></a>	Thesis	6 hrs
	<b>Total</b>	<b>14 or 17 hrs</b>

### Nurse Educator Specialization

Course Code	Course Title	Credit Hours
	Core Course Requirements	14 or 17 hrs
<a href="#"><u>NUR 700</u></a>	Epidemiology	3 hrs
<a href="#"><u>NUR 703</u></a>	Population Health: A Local to Global Perspective	3 hrs
<a href="#"><u>NUR 780</u></a>	Teaching/Learning for Health Care Education	3 hrs
<a href="#"><u>NUR 781</u></a>	Nursing Education Practicum	2 hrs
<a href="#"><u>NUR 782</u></a>	Curriculum Design and Program Development	3 hrs
<a href="#"><u>NUR 783</u></a>	Nursing Education Practicum II	2 hrs
<a href="#"><u>NUR 784</u></a>	Technology in Health Care Education	2 hrs

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<u>NUR 786</u>	Issues in Healthcare Education	2 hrs
<b>Total</b>		<b>34 or 37 hrs</b>

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Students should contact the School of Nursing for information on optional clinical focus requirements.

## Accelerated RN to Masters in Nursing Option for Nurse Educator

### Entrance Requirements

Students must apply to the Accelerated RN to MSN Option when they first apply for admission to the BSN completion program and prior to enrolling in nursing or supporting courses required in the BSN. Students may not enter the RN-MSN option after they begin taking courses for the BSN completion program. After successful completion of BSN requirements, all students in this Nurse Educator option will receive the BSN and may be granted full admission to the Graduate College.

#### Admission requirements include:

1. Junior standing;
2. Licensure as a registered nurse (RN) in good standing and eligible for licensure in Missouri;
3. Meet all admission requirements for the BSN completion program;
4. A pre-admission interview;
5. Submission of Graduate Record Examination (GRE) test scores are required.
6. 2 letters of recommendation (faculty or employer preferred);
7. A written statement of goals;
8. The equivalent of at least one (1) year of full-time experience in direct patient care as a registered nurse;

9. An overall GPA of 3.25 or higher;
10. Current American Heart Association BLS for Healthcare Providers certification. No online courses are accepted.

### **Additional Requirements of the Program**

1. Students will be required to initiate and pay for any security checks and drug screenings required for clinical agencies.
2. 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 registered nurse.
3. Students who fail these checks or procedures will be subject to further review by a School of Nursing Graduate Faculty Committee. This may result in dismissal from the RN-MSN program.

### **Retention and Progression**

In order to remain in the accelerated master's program and progress to the MSN program, students must:

1. Maintain an overall GPA of 3.25 or higher;
2. Earn a grade of "B" or higher in all undergraduate nursing courses attempted;
3. Earn a grade of "B" or higher in all graduate courses attempted.

Students not meeting the criteria for progression in the RN-MSN, Nurse Educator option, may complete the requirements for the BSN degree, but will be removed from the accelerated option. In the final year of the BSN program, the student must make application to the nurse educator option.

### **Credit Course Options**

The accelerated RN to master's option allows several courses to be taken to meet undergraduate (RN) requirements and prerequisites to the graduate program.

Course Code	Course Title	Credit Hours
	Graduate Statistics (600-level or higher)	3 hrs

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NUR 635

Healthcare Informatics

3 hrs

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# Nursing Practice

## Graduate programs

### Doctorate of Nursing Practice

**Dr. Rhea Felicilda, Doctor of Nursing Practice Program Director**

Professional Building, Room 317, Phone, 417-836-3792

[FayeFelicilda@missouristate.edu](mailto:FayeFelicilda@missouristate.edu)

**Kathryn Patterson, Family Nurse Practitioner Coordinator**

Professional Building, Room 315, Phone, 417-836-6267

[KathrynPatterson@missouristate.edu](mailto:KathrynPatterson@missouristate.edu)

### Program description

The DNP program in the School of Nursing is designed to prepare advanced practice nurses at the highest clinical level. The DNP program will graduate community leaders who have the knowledge and skills to address the health disparities of vulnerable and rural populations. The program will prepare graduates to function in a variety of community and acute care health settings as primary care providers, leaders, managers, and consultants.

The Post-Master's DNP Certificate Program is a 29 credit hour online program for nurses with previous advanced practice preparation (Nurse Practitioners, Clinical Nurse Specialists, Nurse Midwives and Nurse Anesthetists). The online program can be completed with full-time study in 14 months (or four (4) semesters), or part-time study.

The BSN to DNP program is an 83 credit hour program that will prepare graduates to practice in the family nurse practitioner role. The program consists of both online and on-campus courses. The student is required to be licensed and complete 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.

### DNP program requirements

**Completed applications will be reviewed beginning December 1 for summer admission.**

The successful applicant will:

1. Submit an application and meet all requirements for admission to the Graduate College at Missouri State University, including complete, official transcripts of all college programs and course work. The applicant should select the Pre-DNP program on the Graduate College application if prerequisites are needed prior to beginning the DNP program. When applying to the Graduate College, select the semester that you plan on taking your first courses at MSU, including prerequisites.
2. Submit a separate DNP program application to the School of Nursing. Available on the nursing website.
3. Submit a \$50 nonrefundable application fee to the School of Nursing. This fee is in addition to the MSU Graduate Application Fee.
4. Have graduated from an Advanced Practice Nursing program accredited by the Commission on Collegiate Nursing Education (CCNE) or the National League for Nursing Accreditation (NLNAC/ACEN). Graduates from non-accredited programs will be considered on an individual basis. (Post-Masters only).
5. Have graduated from a Bachelor of Science (BSN) program that is accredited by the Commission on Collegiate Nursing Education (CCNE) or the National League for Nursing Accreditation (NLNAC/ACEN). Graduates from international nursing programs or non-accredited programs will be considered on an individual basis. (BSN to DNP only).
6. Submit evidence of current certification in an area of Advanced Nursing Practice: nurse practitioner, nurse midwife, nurse anesthetist, or clinical nurse specialist. (Post-Masters only).
7. Complete a minimum of clinical practice experience that equates with one year of full-time experience.
8. Hold a current unencumbered RN license in the state in which clinical practicums will occur within the United States. (Post-Masters only).
9. Have a cumulative GPA of all previous graduate-level education course work of 3.25 (on a 4.00 scale) or above (Post-Masters) and a GPA of 3.25 for last 60 hours of course work attempted (BSN to DNP). Students who have less than a 3.25 GPA must submit verbal, quantitative, and analytical scores on the Graduate Record Examination General Test (GRE). See current Graduate Catalog Admission section for minimum GRE requirements.
10. Submit evidence of current health and professional liability insurance.
11. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers certification. Students taking CPR for the first time or whose CPR certification has

expired must take a 4 hour face-to-face American Heart Association BLS Healthcare for Provider's CPR course. Online didactic course and written test are available at OnlineAHA.org for a fee for those students show need to recertify. No online practice and skills testing will be accepted.

12. Complete all prerequisite courses; pathophysiology, healthcare informatics, epidemiology (Post-Masters only), and a graduate course in statistics with a grade of "C" or higher before the program begins. Admission will be contingent on the student completing prerequisite courses prior to enrolling in DNP courses.
13. Meet the School of Nursing technical standards of the DNP program to successfully undertake the course of study (available by request from the program).
14. Submit evidence of current immunizations or immune status (MMR, Tetanus, Varicella, Hepatitis B series) and a PPD or Tspot (chest X-ray or documentation of appropriate follow up for PPD positive individuals). Individual agencies may have additional requirements.
15. Be prepared to meet the technical and technology proficiency requirements for online courses.

## **Admission process**

### **For applicants with complete admission packet**

1. Applicants who demonstrate a match between their project goals and the areas of expertise of the faculty will be given priority in the admission process. (Post-Masters only)
2. Competitive applicants will be invited to interview with the DNP Admission Committee. An interview is required to determine the fit between the candidate's goals, and the DNP program and faculty.

### **Selection factors**

Admission into the Doctorate of Nursing Practice Program is highly selective and competitive, and a limited number of students will be admitted each year. Completion of all admission requirements and/or admission to the Pre-DNP program does not ensure full admission to the DNP Program. The DNP Admission Committee will consider the following characteristics of competitive applicants:

- Academic potential to successfully complete the program within the required time frame
- Understanding of and commitment to the role of the advanced practice nurse
- Personal maturity
- Interpersonal communication skills, including written and verbal
- Quality and quantity of health care experiences



- Quality of leadership and service activities
- Capacity for performance of the technical functions and tasks required of the advanced practice nurse.

Students may take up to nine (9) credit hours of course work towards their degree before full admission to the DNP specialization. Student may take:

- a. [NUR 635](#), Healthcare Informatics
- b. [NUR 640](#), Advanced Human Pathophysiology
- c. [NUR 700](#), Epidemiology
- d. [NUR 703](#), Population Health: A Local to Global Perspective
- e. [NUR 707](#), Advanced Health Assessment and Health Promotion Throughout the Lifespan
- f. [NUR 711](#), Advanced Roles and Leadership in Nursing
- g. [NUR 765](#), Applications of Advanced Pathophysiology
- h. [PSY 627](#), Advanced Psychological Statistical Methods

### **Additional requirements of the program**

Students will be required to 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.

Admission is contingent on completing the following immediately after acceptance to the program:

1. Payment of a clinical tracking fee. See the School of Nursing website for a full list of program costs.
2. Applicants must apply and pay for the state/federal Background Check and receive a response that the applicant has not been convicted of any crime or other disqualifications that would prohibit licensure as an advanced practice nurse or completion of clinical experiences in clinical settings.
3. Pay for and complete a urine drug screen without disqualifying offenses.

### **Retention policies**

To remain in the DNP program, the student must:

1. Maintain a minimum cumulative GPA of 3.25 with no more than three (3) credit hours of graduate work below a grade of "B" (3.00) and no hours of graduate work below a grade of "C". Receive a "pass" in all clinical evaluations.
2. Not repeat more than one course.
3. Complete all requirements for the program by the fifth year after admission to the DNP program.
4. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
5. Demonstrate acceptable professional progression in application of skills and knowledge throughout the program.
6. Maintain current Healthcare Provider Course (BLS) certification, RN licensure, health and liability insurance, and all immunizations required by clinical agencies throughout the program.
7. 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.
8. While the student's grades are important, retention in the DNP program is based on a composite picture 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 DNP 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 is delivered using asynchronous and synchronous formats. Applicants to the DNP program must be proficient using Blackboard (or other course platform 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, 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, the Adobe Macromedia software is used for synchronous course offerings and other experiences. Videoconferencing may be used with Adobe Macromedia or Skype software. Access to a personal computer with broadband (Cable or DSL) connections, a web camera, microphone with headset, and a laptop computer with wireless capabilities that meet the minimal hardware is required. Our multimedia content is optimized for Internet Explorer and Firefox.

## Clinical experiences

Clinical 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 appropriate sites and preceptors are available. However, students may need to travel outside of the local community for clinical experiences. All clinical sites and preceptors must be approved in advance by the DNP Program Director and a contract must be established with the clinical site before any clinical experiences occur.

For the Post-Masters DNP: Students are required to be on-campus minimum of 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.

## Course requirements: Post Masters DNP (29 hrs)

### Summer 1

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 800</u></a>	DNP Leadership I Concepts for EBP	3 hrs
<a href="#"><u>NUR 990</u></a>	Introduction to Transforming Practice	1 hr

### Fall 1

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 830</u></a>	DNP Leadership II	3 hrs
<a href="#"><u>NUR 820</u></a>	Social Justice and Disparities in Health	2 hrs

<a href="#"><u>NUR 991</u></a>	Transforming Practice I	3 hrs
<a href="#"><u>NUR 802</u></a>	Emerging Science of Advanced Practice	2 hrs

### Spring 1

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 860</u></a>	DNP Leadership III	4 hrs
<a href="#"><u>NUR 840</u></a>	Technology for Transforming Nursing and Health Systems	2 hrs
<a href="#"><u>NUR 992</u></a>	Transforming Practice II	3 hrs
<a href="#"><u>NUR 824</u></a>	Health Policy to Improve Disparities in Health and Healthcare	2 hrs

### Summer 2

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 993</u></a>	Transforming Practice III	4 hrs

### Course Requirements: BSN to DNP (83 hrs)

#### Summer Year 1

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 711</u></a>	Roles and Leadership	2 hrs
<a href="#"><u>NUR 707</u></a>	Advanced Health Assessment/Health Promotion	2 hrs

**Fall Year 1**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>NUR 700</u></a>	Epidemiology	3 hrs
<a href="#"><u>NUR 701</u></a>	Nursing Science	3 hrs
<a href="#"><u>NUR 761</u></a>	Advanced Pharmacology	3 hrs
<a href="#"><u>NUR 734</u></a>	Clinical Reasoning	5 hrs

**Spring Year 1**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>NUR 765</u></a>	Applications of Pathophysiology	3 hrs
<a href="#"><u>NUR 772</u></a>	Advanced Nursing Research	3 hrs
<a href="#"><u>NUR 788</u></a>	Health Policy/Issues	3 hrs
<a href="#"><u>NUR 703</u></a>	Population Health	3 hrs
<a href="#"><u>NUR 704</u></a>	Cultural Immersion	1 hr

**Summer Year 2**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>NUR 800</u></a>	DNP Leadership I Concepts for EBP	3 hrs
<a href="#"><u>NUR 802</u></a>	Emerging Science of Advanced Practice	2 hrs
<a href="#"><u>NUR 990</u></a>	Introduction to Transforming Practice	1 hr

**Fall Year 2**

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 830</u></a>	DNP Leadership II Impacting Disparities in Health and Healthcare	3 hrs
<a href="#"><u>NUR 730</u></a>	Family Practice I	6 hrs
<a href="#"><u>NUR 820</u></a>	Social Justice and Disparities in Health and Healthcare	2 hrs

**Spring Year 2**

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 860</u></a>	DNP Leadership III Transforming Systems	4 hrs
<a href="#"><u>NUR 840</u></a>	Technology for Transforming Nursing and Health Systems	2 hrs
<a href="#"><u>NUR 750</u></a>	Family Practice II	6 hrs

**Summer Year 3**

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 991</u></a>	Transforming Practice I	3 hrs

**Fall Year 3**

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 770</u></a>	Family Practice III	6 hrs
<a href="#"><u>NUR 992</u></a>	Transforming Practice II	3 hrs

**Spring Year 3**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#">NUR 790</a>	Advanced Practice Practicum	5 hrs
<a href="#">NUR 993</a>	Transforming Practice III	4 hrs

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# Nurse Educator

## Graduate programs

### Post-Master's Nurse Educator Certificate Program

In addition to the Master of Science in Nursing degree described previously, the School of Nursing offers a Post-master's Nurse Educator Certificate Program for nurses who have a Master's Degree in Nursing in another specialty. The Certificate Program consists of five courses, totaling a minimum of 12 credit hours and 192 clinical hours that can be completed in 2 semesters.

### Admission requirements

1. Admission to the Graduate College at Missouri State University.
2. Master's Degree in Nursing from an accredited nursing graduate program, that includes, at a minimum, graduate courses in nursing theory and research.
3. Completion of a graduate clinical course with a grade of "B" or higher. Students with no graduate clinical courses may satisfy this requirement by enrolling in [NUR 781](#) and [NUR 783](#) during their Certificate Program.
4. Completion of a graduate health assessment course with a grade of "B" or higher. Students with no graduate health assessment course may satisfy this requirement by enrolling in [NUR 707](#).
5. Graduate GPA of 3.00 or higher.
6. Licensure as a registered nurse (RN) in good standing, and eligible for licensure in the State of Missouri.
7. Evidence of current liability insurance.
8. Evidence of current health insurance.
9. Admission interview
10. Evidence of immunization or vaccination for vaccine-preventable diseases.
11. Provide documentation of negative tuberculosis status or evidence of appropriate follow-up.
12. Current American Heart Association (AHA) Basic Life Support (BLS) for Healthcare Providers



certification. Students taking CPR for the first time or whose CPR certification has expired must take a 4 hours face-to-face American Hearth Association BLS Healthcare for Provider's CPR course. Online didactice course and written test are available at OnlineAHA.org for a fee for those students who need to recertify. No online practice and skills testing will be accepted.

13. 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 a registered nurse.

\* Students who fail these checks or procedures will be subject to further review by the School of Nursing Graduate Admission, Promotion and Graduation. This may result in dismissal from the MSN program.

Because of course constraints, only a limited number of students will be admitted to the Post-master's 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 Post-Master's Nurse Educator Certificate Program must be completed within 5 years.

### Additional Requirements of the program

Students will be required to initiate and pay for any security checks and drug screenings required for clinical agencies.

### Required Courses (12 hours)

Course Code	Course Title	Credit Hours
<a href="#"><u>NUR 780</u></a>	Teaching/Learning for Health Care Educators	3 hrs
<a href="#"><u>NUR 781</u></a>	Nursing Education Practicum	2 hrs
<a href="#"><u>NUR 782</u></a>	Curriculum Design and Program Development	3 hrs
<a href="#"><u>NUR 783</u></a>	Nursing Education Practicum II	2 hrs
<a href="#"><u>NUR 786</u></a>	Issues in Healthcare Education	2 hrs

### Retention Requirements

After admission into the Post-Master's Family Nurse Educator Certificate Program, the students must achieve the following for retention in the program:

1. 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". Receive a "pass" in all clinical evaluations.
2. No more than one course may be repeated.
3. Complete all requirements within five years after admission into the nurse educator option.
4. Demonstrate acceptable levels of maturity and integrity, as well as behaviors and attitudes normally expected of professional nurses in advanced nursing roles.
5. Demonstrate acceptable professional progression in application of skills and knowledge in the area of option.
6. Receive satisfactory final clinical evaluations.
7. Maintain current infant, child, and adult CPR certification, immunizations, negative tuberculosis status or evidence of appropriate follow-up, and nursing liability insurance.
8. Students must maintain an active RN license, in good standing, in the state or states in which the student does clinical or practicum experiences.

# Department of Occupational Therapy

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Occupational Therapy](#) (MOT)

## Contact

### Department head

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# Occupational Therapy Graduate Faculty

## Assistant professors

- Ashlea D. Cardin
- [Sapna Chakraborty](#)

## Clinical assistant professor

- [Tara L. Boehne](#)

## Clinical instructor

- [Traci A. Garrison](#)

# 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: 4    Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

### **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: 2    Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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

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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **OTE 620 Psychosocial Perspectives in Occupational Therapy Practice**

*Prerequisite: OTE 610; and concurrent enrollment in OTE 680.*

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: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **OTE 745 Therapeutic Skills I: Practice with Adults and Older Adults**

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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **OTE 640 Evidence-Based Practice**

*Prerequisite: OTE 610.*

*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: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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



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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee. Identical with BMS 645. Cannot receive credit for both OTE 645 and BMS 645.

communities.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **OTE 760 Specialty Topics**

*Prerequisite: admission to Master of Occupational Therapy program.*

Variable topics course. In-depth study of contemporary occupation-based practice. Each

**Credit hours: 5 Lecture contact hours: 3**

**Lab contact hours: 6**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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.

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, faculty expertise, and/or student interest or needs. Must be repeated for minimum of four hours.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

### **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

### **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: 4 Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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

fieldwork experience that provides the opportunity to observe the occupational therapy process and interprofessional practice. Must be repeated twice for a total of 2 hours. Graded Pass/Not Pass only.

**Credit hours: 1    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

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: 6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 1 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Occupational Therapy

## Graduate programs

### 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](mailto: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 has applied for accreditation and has been granted Candidacy Status by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. ACOTE's telephone number c/o AOTA is (301) 652-AOTA and its Web address is [www.acoteonline.org](http://www.acoteonline.org). The program must have a preaccreditation review, complete an on-site evaluation, and be granted Accreditation Status before its graduates 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. Please see the [Occupational Therapy program website](#) for the current accreditation status.

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) (<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 Qualitative 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 365](#), 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 Advanced Placement Policy**

Advanced placement will not be accepted in the MOT Program.

### **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.

## **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)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>OTE 610</u></a>	Foundations and Theory in Occupational Therapy	4 hrs
<a href="#"><u>OTE 612</u></a>	Occupational Development Through the Lifespan	3 hrs
<a href="#"><u>OTE 615</u></a>	Clinical Reasoning and Documentation	1 hr
<a href="#"><u>OTE 620</u></a>	Psychosocial Perspectives in Occupational Therapy Practice	3 hrs
<a href="#"><u>OTE 640</u></a>	Evidence-Based Practice	2 hrs
<a href="#"><u>OTE 645</u></a>	Clinical Gross Anatomy	5 hrs
<a href="#"><u>OTE 646</u></a>	Neuroscience	4 hrs
<a href="#"><u>OTE 650</u></a>	Introduction to Biomedical Biomechanics	3 hrs
<a href="#"><u>OTE 680</u></a>	Field Work Level I - Part 1	1 hr
<a href="#"><u>OTE 690</u></a>	Field Work Level I - Part 2	2 (1 hr each)
<a href="#"><u>OTE 720</u></a>	Conditions I: Cognitive Dysfunction	3 hrs
<a href="#"><u>OTE 725</u></a>	Environmental Adaptations and Assistive Technology	2 hrs
<a href="#"><u>OTE 730</u></a>	Conditions II: Physical Dysfunction	4 hrs
<a href="#"><u>OTE 732</u></a>	Applied Research Methods in Healthcare	2 hrs
<a href="#"><u>OTE 745</u></a>	Therapeutic Skills I: Practice with Adult and Older Adult	4 hrs
<a href="#"><u>OTE 746</u></a>	Management and Policy in Occupational Therapy Practice	3 hrs
<a href="#"><u>OTE 750</u></a>	Therapeutic Skills II: Practice with Children and Adolescents	4 hrs

OTE 760

Specialty Topics

4 (1 hr each)

OTE 765

Community and Health Practice in Occupational Therapy

3 hrs

OTE 770

Professional Capstone: Issues, Diversity and Ethics

4 hrs

OTE 780

Fieldwork Level II-Part 1

6 hrs

OTE 790

Fieldwork Level II- Part 2

6 hrs

OTE 798

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.

# Department of Physical Therapy

## Programs

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### Doctoral programs

[Physical Therapy](#) (DPT)

## Accreditation

- Commission on Accreditation in Physical Therapy Education – Doctor of Physical Therapy (DPT)

## Contact

### Department head

Jeanne L. Cook

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# Physical Therapy Graduate Faculty

## Professors

[Barbara Susan Robinson](#)

## Associate professors

[Jeanne L. Cook](#)

[James M. Hackney](#)

[Sean C. Newton](#)

[Scott W. Wallentine](#)

[Elizabeth M. Williamson](#)

## Assistant professor

[Patricia A. Cahoj](#)

## Adjunct clinical faculty

[Richard Maas](#)

## Per course faculty

Aaron Adler

Zachary Heath Ball

[Michael Barker](#)

[Caitlin Buening](#)

Kristen Cleveland

[Steve Dodge](#)

[Marcia Himes](#)

[James Houpt](#)

Geoffrey D. Mosely, Jr.

[Jason Shaw](#)

[Gary Ward](#)

[Janet Weiss](#)

# 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. Supplemental course fee.

**Credit hours: 6    Lecture contact hours: 3**

**Lab contact hours: 9**

**Typically offered:** Summer

[Projected offerings](#)

### **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

### **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: 2    Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Summer

[Projected offerings](#)

### **PTE 754 Patient Management: Special Considerations Across the Life Span**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*



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: 3    Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **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

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.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Lab contact hours: 3**

**Typically offered:** Summer

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: 2    Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 2    Lecture contact hours: 1**

**Lab contact hours: 2**

[Projected offerings](#)

### **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: 6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Course must be repeated for a total of 6 hours. Graded Pass/Not Pass only.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

**Typically offered:** Summer

[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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

[Projected offerings](#)

### **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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### **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,

management. Case studies, laboratory experience, and integrative experiences may be used to emphasize the process of patient management.

**Credit hours: 2 Lecture contact hours: 1**

**Lab contact hours: 1**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 3**

**Typically offered:** Fall  
[Projected offerings](#)

### **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.

and chemotherapeutic drugs are discussed. Case studies augment clinical information and emphasize patient management.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Fall  
[Projected offerings](#)

### **PTE 764 Patient Management: Exercise Physiology, Nutrition, and Wellness**

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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 2    Lecture contact hours: 1**

*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: 3    Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Lab contact hours:** 3

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 3

**Lab contact hours:** 3

**Typically offered:** Fall

[Projected offerings](#)

### **PTE 726 Clinical Kinesiology for Physical Therapy**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 1 **Lecture contact hours:** 1

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **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,

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: 2 Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **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

analysis of functional outcomes, and re-assessment. Sophisticated examination and manual mobilization techniques are covered in detail.

**Credit hours: 2 Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 1-2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **PTE 732 Electrotherapeutic Modalities and Clinical Electrophysiology**

*Prerequisite: enrollment in the program and successful completion of all prior course work therein.*

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: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand



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: 2    Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Summer

[Projected offerings](#)

## **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

[Projected offerings](#)

## **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: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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

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: 3    Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 4    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

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: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-2    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

Projected offerings**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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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

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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 3**

**Typically offered:** Spring

[Projected offerings](#)

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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Spring  
[Projected offerings](#)

### **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

### **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: 8    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall  
[Projected offerings](#)

### **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. Graded Pass/Not Pass.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

a short, reflective paper, and meet the requirements established by the program and the clinical facility.

**Credit hours: 6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **PTE 883 Patient Management: Critical Integration and Analysis II**

*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.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 8    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

# Physical Therapy

## Graduate programs

### Doctor of Physical Therapy, Entry-Level Program

**Jeanne Cook, Department Head and Program Director**

McQueary Family Health Sciences Hall, Room 204

Phone 417-836-6179; [physicaltherapy@missouristate.edu](mailto:physicaltherapy@missouristate.edu)

**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 an entry-level Doctor of Physical Therapy (DPT) program for individuals wanting to enter the profession of physical therapy, and a post-professional, completion DPT program for individuals who are already licensed physical therapists who want to augment their education to obtain the DPT degree.

PLEASE NOTE: The following admission and degree requirements are in place for students admitted for the summer, 2016 semester. Students admitted for the fall, 2015 semester will follow the degree requirement outline in the 2014/15 catalog (pdf version available at <http://graduate.missouristate.edu/catalog/Graduate-Catalog-Archive.htm>)

### Entry-Level DPT program description

The entry-level curriculum in Physical Therapy 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.

## **Program accreditation**

The entry-level DPT program is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE).

## **Required observation experience**

Verifiable observation experience in at least two (2) different areas of physical therapy specialty.

## **Interview**

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.

## **Admission requirements**

### **Minimum requirements**

1. 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 below under "prerequisite courses".
2. A minimum overall GPA of 3.00 on a 4.00 scale.
3. Submission of general Graduate Record Examination (GRE) scores (no minimum score but scores among students are compared).
4. A letter of application that represents an accurate autobiographical sketch that is no longer than three pages.
5. Two letters of recommendation, one from the "Pre-professional Advisor" at the institution where the majority of science courses were taken, and one from a licensed physical therapist.
6. Completion of all other requirements for admission to graduate study at Missouri State University.
7. Ability to meet the technical standards of the program in order to successfully undertake the course

of study (available upon request from the program).

8. 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/>. In addition to the PTCAS online application, applicants are required to send official Graduate Record Examination (GRE) scores to: Missouri State University, Department of Physical Therapy, Attn: Director of Admissions, 901 S National Ave, Springfield, MO 65897. Application deadline is December 15 (all application documents must be received by this date). Classes begin in August of each year.

### **Entry-Level 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.

### **Health issues**

Physical Therapy students will be required to complete a physical examination including a TB skin test or chest X-ray. In addition, MMR, Hepatitis B, and other vaccinations are required. Physical therapy students must have the capacity for performance of the technical functions and tasks required of a physical therapist.

The American Physical Therapy Association has a Professional Code of Ethical Conduct. All physical therapy students will adhere to this Code and respect the rights and dignity of all individuals.

There are additional policies and procedures for physical therapy students that are explained in the *Handbook for Physical Therapy Students* at Missouri State University. Each student gets this handbook during orientation for first year students.

The Physical Therapy program requires 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, drug screening, and housing/transportation costs during clinical internships. Please see 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.

### **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](#), [CHM 170](#) 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](#) and [BMS 111](#)
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: [CIS 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](#)
14. Social Work: [SWK 200](#)

## Entry-Level DPT Program course schedule

### Summer, Semester 1 (10 weeks classroom)

Course Code	Course Title	Credit Hours
<a href="#">PTE 707</a>	Medical Human Anatomy	6 hrs
<a href="#">PTE 711</a>	Professional Issues I	2 hrs
<a href="#">PTE 712</a>	Clinical Biomechanics for Physical Therapy	2 hrs
<a href="#">PTE 713</a>	Embryology	1 hrs

### Fall, Semester 2 (17 weeks classroom)

Course Code	Course Title	Credit Hours
<a href="#">PTE 710</a>	Introduction to Physical Therapy	3 hrs
<a href="#">PTE 720</a>	Neuroanatomy- Neuroscience	4 hrs

<a href="#">PTE 723</a>	Patient Management: Musculoskeletal I	4 hrs
<a href="#">PTE 726</a>	Clinical Kinesiology for Physical Therapy	2 hrs
<a href="#">PTE 740</a>	Research Methods and Design	2 hrs
<a href="#">PTE 760</a>	Management of Research Projects	1 hr

### Spring, Semester 3 (17 weeks classroom)

Course Code	Course Title	Credit Hours
<a href="#">PTE 714</a>	Imaging Analysis in Physical Therapy Practice	2 hrs
<a href="#">PTE 721</a>	Professional Issues II	2 hrs
<a href="#">PTE 722</a>	Physical Agents and Mechanical Modalities	2 hrs
<a href="#">PTE 733</a>	Patient Management: Musculoskeletal II	3 hrs
<a href="#">PTE 743</a>	Patient Management: Neurological I	4 hrs
<a href="#">PTE 750</a>	Research and Outcome Analysis	2 hrs
<a href="#">BMS 752</a>	Medical Physiology	3 hrs

### Summer, Semester 4 (7 weeks classroom; 4 weeks clinical)

Course Code	Course Title	Credit Hours
<a href="#">PTE 732</a>	Electrotherapeutic Modalities and Clinical Electrophysiology	2 hrs
<a href="#">PTE 737</a>	Clinical Internship I	4 hrs
<a href="#">PTE 753</a>	Patient Management: Neurological II	2 hrs
<a href="#">PTE 760</a>	Management of Research Projects	1 hr
<a href="#">PTE 773</a>	Patient Management: Musculoskeletal III	2 hrs

### Fall, Semester 5 (13 weeks classroom; 6 weeks clinical)

Course Code	Course Title	Credit Hours
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<a href="#">PTE 731</a>	Pathophysiology/Differential Diagnosis I	3 hrs
<a href="#">PTE 747</a>	Clinical Internship II	6 hrs
<a href="#">PTE 760</a>	Management of Research Projects	1 hr
<a href="#">PTE 763</a>	Patient Management: Neuromuscular III	3 hrs
<a href="#">PTE 764</a>	Patient Management: Exercise Physiology, Nutrition, and Wellness	3 hrs

### Spring, Semester 6 (10 weeks classroom; 6 weeks clinical)

Course Code	Course Title	Credit Hours
<a href="#">PTE 730</a>	Motor Control/Motor Learning	2 hrs
<a href="#">PTE 741</a>	Pathophysiology/Differential Diagnosis II	2 hrs
<a href="#">PTE 744</a>	Patient Management: Cardiovascular and Pulmonary Problems	3 hrs
<a href="#">PTE 754</a>	Patient Management: Special Considerations Across the Life Span	1 hr
<a href="#">PTE 757</a>	Clinical Internship III	6 hrs
<a href="#">PTE 760</a>	Management of Research Projects	1 hr
	Electives	1-2 hrs

### Summer, Semester 7 (11 weeks classroom)

Course Code	Course Title	Credit Hours
<a href="#">PTE 756</a>	Patient Management: Integumentary	1 hr
<a href="#">PTE 760</a>	Management of Research Projects	1 hr
<a href="#">PTE 761</a>	Contemporary Issues in Professional Practice	2 hrs
<a href="#">PTE 762</a>	Medical Pharmacology	2 hrs
<a href="#">PTE 765</a>	The Physical Therapist as Educator	1 hr

<a href="#"><u>PTE 767</u></a>	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
<a href="#"><u>PTE 760</u></a>	Management of Research Projects	1 hr
<a href="#"><u>PTE 871</u></a>	Physical Therapy Management and Administration	3 hrs
<a href="#"><u>PTE 872</u></a>	Orthotics and Prosthetics, and Assistive Technologies	3 hrs
<a href="#"><u>PTE 873</u></a>	Patient Management: Advanced Differential Diagnosis	3 hrs
<a href="#"><u>PTE 877</u></a>	Clinical Internship IV	8 hrs
	Electives	1-2 hrs

### Spring, Semester 9 (3 weeks classroom; 14 weeks clinical)

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 880</u></a>	Research Seminar	2 hrs
<a href="#"><u>PTE 883</u></a>	Patient Management: Critical Integration and Analysis	1 hr
<a href="#"><u>PTE 887</u></a>	Clinical Internship V	8 hrs
<a href="#"><u>PTE 888</u></a>	Clinical Internship VI	6 hrs
	Elective (Study Away)	0-2 hrs

**Doctor of Physical Therapy, Post-Professional Completion Program - We are no longer accepting students for the post-professional completion program effective fall, 2013**

### 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.

## Post-Professional completion program accreditation

The Post-Professional DPT program is not eligible for accreditation by CAPTE because it is a post-professional program. CAPTE accredits only entry-level programs.

## Program overview

The post-professional DPT program is a 34 credit-hour completion program. MPT graduates of the Missouri State University Physical Therapy Program will qualify for a reduced credit-hour program as outlined in Completion Programs A and B below. Graduates from accredited programs other than Missouri State University may qualify for a reduced credit-hour program (up to 6 credits) based upon portfolio review (see Completion Track C below). Limited course substitutions may be granted on a case-by-case basis for students in any of the three completion programs.

Missouri State University's Post-Professional DPT completion program utilizes standard, web, and hybrid-based education formats to provide practicing physical therapists the opportunity to advance their knowledge and career. The program focuses on evidenced-based practice, differential diagnosis, and medical imaging. A degree in physical therapy from a program accredited by CAPTE is required.

Students must complete the program within a 5-year period from the start of their first class. The program will admit students from Spring 2011 through Fall 2013. **All coursework must be completed by May 2018.** Class sizes are limited and classes may not be offered every year. Qualified applicants are accepted on a first-come basis. To remain in the program, students must maintain good academic standing with a minimum GPA of 3.00 and comply with the Department's grading policies.\* Students must complete at least one course per year (beginning with the year of their starting semester). Students failing to complete one course per year will be removed from the program. Exceptions will be considered on an individual basis following a written letter from the student to the program core faculty.

## Post-professional completion program admission requirements

Applicants must meet admission requirements for the Graduate College as described in the Missouri State University Graduate Catalog or at <http://graduate.missouristate.edu/admissions.htm>, and must be a licensed physical therapist with at least one year of clinical practice experience.

Admission criteria for Missouri State University Physical Therapy Program Graduates are indicated with an asterisk (\*)

In addition to the on-line Graduate Application, applicants will be required to submit the following



application materials to the Department of Physical Therapy, 901 S National Ave., Springfield MO 65897:

1. \*A notarized copy of current US physical therapy license.
2. Official transcripts from the CAPTE-accredited institution granting the physical therapy degree (must have a GPA of at least 3.00 on a 4.00 scale).
3. \*Official transcripts of any graduate courses taken since earning the physical therapy degree.
4. GRE scores.
5. Three letters of recommendation from professional and academic colleagues that can address your professional, academic, and leadership ability. At least one recommendation must be from a physical therapist.
6. An essay (typed, double-spaced) - describing personal goals and objectives related to the DPT completion program.
7. \*A Professional Portfolio - contents should include:
  - a. Current curriculum vita
  - b. Proof of work experience - Notarized letter from current employer
  - c. Evidence of competency (certificates from continuing education coursework, conferences or specialty certification)

### **Application deadlines**

To apply for a specific semester, application materials must be received by the following dates: Fall semester - July 1; Spring semester - November 1; Summer semester - April 1.

### **Classes start**

Fall, Spring and Summer. Course descriptions are in the Missouri State University Graduate Catalog.

### **Completion Program A - Missouri State University graduates, classes of 2003- 2005**

Minimum of 20 credit hours.

Course Code	Course Title	Credit Hours
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Complete **ALL** of the following courses

<u>PTE 714</u>	Imaging Analysis in Physical Therapy Practice	2 hrs
<u>PTE 730</u>	Motor Control/Motor Learning	3 hrs
<u>PTE 800</u>	Advanced Topics in Geriatrics	2 hrs
<u>PTE 804</u>	Advanced Topics in Pediatrics	2 hrs
<u>PTE 802</u>	Advanced Regional Anatomy: Neural Correlates	2 hrs
<u>PTE 803</u>	Advanced Topics in Musculoskeletal Physical Therapy: Manual Techniques	2 hrs
<u>PTE 873</u>	Patient Management: Advanced Differential Diagnosis	3 hrs
<b>AND</b>		
Complete <i>two</i> elective courses (minimum of 4 credit hours)		4 hrs

\*Grading Policy A: Students must earn a grade of "C" or better in all classes, and may earn no more than 4 credit hours of "C" during the course of Completion Program A.

### **Completion Program B - Missouri State University graduates, classes of 2006 and 2007**

Minimum of 10 credit hours.

Choose <i>one</i> area of concentration (track) from the list below (minimum of 6 credit hours)	6 hours
Complete <i>two</i> elective courses (minimum of 4 credit hours)	4 hrs

\*Grading Policy B: Students must earn a grade of "B" or better in all classes during the course of Completion Program B.

### **Completion Program C - Graduates of other accredited programs**

34 credit hours (28 credit hours must be from Missouri State University).

Complete all core courses	24 hours
Choose <i>one</i> area of concentration (track) from the list below	6 hrs

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Complete *two* elective courses 4 hrs

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\*Grading Policy C: Students must earn a grade of "C" or better in all classes, and may earn no more than 6 credit hours of "C" during the course of Completion Program C.

NOTE: Some courses are offered by departments other than the Department of Physical Therapy.

### Core courses (24 credits)

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 714</u></a>	Imaging Analysis in Physical Therapy Practice	2 hrs
<a href="#"><u>PTE 730</u></a>	Motor Control/Motor Learning	3 hrs
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy: Neural Correlates	2 hrs
<a href="#"><u>PTE 731</u></a>	Pathophysiology/Differential Diagnosis I	3 hrs
<a href="#"><u>PTE 741</u></a>	Pathophysiology/Differential Diagnosis II	3 hrs
<a href="#"><u>PTE 762</u></a>	Medical Pharmacology	2 hrs
<a href="#"><u>MGT 701</u></a>	Health Services Organizations	3 hrs
<a href="#"><u>PHI 613</u></a>	Bioethics	3 hrs
<a href="#"><u>PSY 627</u></a>	Advanced Psychological Statistical Methods	3 hrs

### Electives

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 800</u></a>	Advanced Topics in Geriatrics	2 hrs
<a href="#"><u>PTE 801</u></a>	Vestibular Rehabilitation	2 hrs
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy Section 1 - Upper quarter (2 hrs) Section 2 - Lower quarter (2 hrs) Section 3 - Spine (2 hrs)	8 hrs

## Section 4 - Neural Correlates (2 hrs)

<a href="#"><u>PTE 803</u></a>	Advanced Topics in Musculoskeletal Physical Therapy Section 1 - Sports Physical Therapy (2 hrs) Section 2 - Manual Techniques in Physical Therapy (2 hrs) Section 3 - Ergonomic Assessment and Intervention (2 hrs)	6 hrs
<a href="#"><u>PTE 804</u></a>	Advanced Topics in Pediatrics	2 hrs
<a href="#"><u>PBH 756</u></a>	Introduction to Public Health	3 hrs
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>HLH 750</u></a>	Programming Approaches in Wellness/Health Promotion	3 hrs
<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs
<a href="#"><u>PSY 703</u></a>	Human Growth and Development	3 hrs
<a href="#"><u>MGT 711</u></a>	Measurement and Management of Quality in Health Care	3 hrs

**Areas of Concentration****Neuromuscular Track (6 credits)**

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 801</u></a>	Vestibular Rehabilitation	2 hrs
<a href="#"><u>PTE 873</u></a>	Patient Management: Advanced Differential Diagnosis	2 hrs
Plus <i>one</i> of the following courses:		
<a href="#"><u>PTE 804</u></a>	Advanced Topics in Pediatric: Physical Therapy	2 hrs
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy	2 hrs

**Orthopedic Track (6 credits)**

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 803</u></a>	Advanced Topics in Musculoskeletal Physical Therapy (any two of the four below) Section 1 - Sports Physical Therapy (2 hrs)	4 hrs

Section 2 - Manual Techniques in Physical Therapy (2 hrs)

Section 3 - Ergonomic Assessment &amp; Intervention (2 hrs)

<a href="#"><u>PTE 873</u></a>	Patient Management: Advanced Differential Diagnosis	2 hrs
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**Lifespan Track (6 credits)**

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 713</u></a>	Human Development and the Life Cycle	2 hrs
<a href="#"><u>PTE 873</u></a>	Patient Management: Advanced Differential Diagnosis	2 hrs
Plus <i>one</i> of the following courses:		
<a href="#"><u>PTE 800</u></a>	Advanced Topics in Geriatric: Physical Therapy	2 hrs
<a href="#"><u>PTE 804</u></a>	Advanced Topics in Pediatric: Physical Therapy	2 hrs

**Public Health/Administration Track (6 credits)**

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 756</u></a>	Introduction to Public Health	3 hrs
Plus <i>one</i> of the following courses:		
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>HLH 750</u></a>	Programming Approaches in Wellness/Health Promotion	3 hrs
<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs
<a href="#"><u>PSY 614</u></a>	Behavior Management and Change	3 hrs
<a href="#"><u>MGT 711</u></a>	Measurement and Management of Quality in Health Care	3 hrs

**Research Track (6 credits)**

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 760</u></a>	Management of Research Projects	2 hrs

<a href="#"><u>PTE 873</u></a>	Patient Management: Advanced Differential Diagnosis	2 hrs
<a href="#"><u>PTE 880</u></a>	Research and Outcome Analysis: Completion and Presentations	2 hrs
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy	2 hrs

## Class schedule

Course offerings may vary depending upon availability and enrollment. Minimum course enrollments is six students.

### Summer

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 730</u></a>	Motor Control/Motor Learning	3 hrs
<a href="#"><u>PTE 731</u></a>	Pathophysiology/Differential Diagnosis I	3 hrs
<a href="#"><u>PTE 801</u></a>	Vestibular Rehabilitation	2 hrs
<a href="#"><u>PTE 803</u></a>	Advanced Topics in Musculoskeletal Physical Therapy: Sports Physical Therapy	2 hrs
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy: Variable Sections	2 hrs

### Fall

Course Code	Course Title	Credit Hours
<a href="#"><u>PTE 714</u></a>	Imaging Analysis in Physical Therapy Practice	2 hrs
<a href="#"><u>PTE 741</u></a>	Pathophysiology/Differential Diagnosis II	2 hrs
<a href="#"><u>PTE 762</u></a>	Medical Pharmacology	2 hrs
<a href="#"><u>PTE 764</u></a>	Patient Management: Exercise Physiology, Nutrition, and Wellness	3 hrs
<a href="#"><u>PSY 745</u></a>	Statistics and Research Design	3 hrs
<a href="#"><u>MGT 701</u></a>	Health Services Organizations	3 hrs

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<a href="#"><u>PTE 800</u></a>	Advanced Topics in Geriatrics	2 hrs
<a href="#"><u>PTE 803</u></a>	Advanced Topics in Musculoskeletal Physical Therapy: Manual Techniques	2 hrs

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**Spring**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>PTE 802</u></a>	Advanced Regional Anatomy: variable sections	2 hrs
<a href="#"><u>PTE 803</u></a>	Advanced Topics in Musculoskeletal Physical Therapy: Ergonomic Assessment and Intervention	2 hrs
<a href="#"><u>PTE 804</u></a>	Advanced Topics in Pediatrics	2 hrs

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# Department of Physician Assistant Studies

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Physician Assistant Studies](#) (MS)

## Accreditation

- Accreditation Review Commission on Education for the Physician Assistant – Physician Assistant Studies (MS)

## Contact

### Department head

Steven T. Dodge

### Office

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Sciences Center, Suite 200

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417-836-6151

### Fax

417-836-6406

### Email

[PhysicianAsstStudies@missouristate.edu](mailto:PhysicianAsstStudies@missouristate.edu)



**Website**

[missouristate.edu/pas](http://missouristate.edu/pas)

# Physician Assistant Studies Graduate Faculty

## Professor

Roberto Canales

## Associate professor

Tracy Cleveland

## Clinical associate professor

Steven T. Dodge

## Clinical assistant professor

Sharon Giboney

## 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

Doyle B. Hill

Thomas A. Hopkins

Alexander Hover

Roger E. Huckfeldt

Megan Huff

Timothy L. Jones

Janet Jordan

Mubashir Khan

Mary Beth Kurz

Gregory J. Kutter

Stephanie M. Lewis

Thomas C. Lewis

Brian L. Mahaffey

Ted McMurry

Fred G. McQueary

Erik M. Miller

J. Randolph Mullins

Donald Nelson

Matthew Nelson

Mark D. Newport

Michael S. North

Angela S. Oloman

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

Christine H. Gosch

Bernard A. Griesemer

Kevin H. Reinhard

Megan E. Riley

John J. Schmid

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

Timothy Woods

Andy J. Wright

# 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. Supplemental course fee.

**Credit hours: 6    Lecture contact hours: 3**

**Lab contact hours: 11**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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. Supplemental

**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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

**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: 3    Lecture contact hours: 2**

course fee.

**Credit hours: 1    Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Summer

[Projected offerings](#)

**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: 1    Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

**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 organ 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

**Lab contact hours:** 2

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 1 **Lecture contact hours:** 0

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 1 **Lecture contact hours:** 0

encountered in primary care settings. Includes lecture and discussion.

**Credit hours:** 4 **Lecture contact hours:** 4

**Lab contact hours:** 2

**Typically offered:** Summer

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 6 **Lecture contact hours:** 6

**Lab contact hours:** 2

**Typically offered:** Fall

[Projected offerings](#)

### **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,

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

suturing, intravenous line insertion, aseptic technique, catheterization, and other clinical skills. Supplemental course fee.

**Credit hours: 2 Lecture contact hours: 1**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **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

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Summer  
[Projected offerings](#)

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: 4-5 Lecture contact hours: 0**

**Lab contact hours: 40**

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 2 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

# Physician Assistant Studies

## Graduate programs

### Master of Science, Physician Assistant Studies

#### PAS Department

O'Reilly Clinical Health Sciences Center, Suite 200

Phone 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 starting in May for individuals interested in applying for the class beginning in January.

1. Possess baccalaureate degree from a regionally accredited institution in the United States prior to entering the program.
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. 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. Applicants who are *accepted* to the program will be required to submit an application to the Graduate College and pay the \$35.00 application fee.
11. Matriculated students must enroll on a full-time basis and progress through the program with their class.
12. All students are required to carry professional liability insurance throughout the program. This insurance is available through the American Academy of Physician Assistants.
13. All students must also carry health (including hospitalization) insurance throughout the entire program.
14. 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.
15. 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.

### **Selection Factors**

Admission into the Physician Assistant Studies Program is highly competitive. A maximum of thirty-two students will be selected to enroll in the program each January. 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 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

### **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. A minimum GPA of 2.75 (as calculated by CASPA) is required).

\*\* 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 chemistry, biology and social science courses (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. 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). Student internships are not accepted as clinical 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. Completion of the recommended 2000 hours of direct patient care experience.
3. 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.
4. Proficiency in basic computer skills (word-processing, spreadsheets, databases, Internet searches, E-mail) 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 83 semester hours of the curriculum (42 didactic and 41 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
<a href="#"><u>PAS 717</u></a>	Medical Human Anatomy and Radiology	6 hrs
<a href="#"><u>BMS 752</u></a>	Medical Physiology	3 hrs
<a href="#"><u>PAS 753</u></a>	Molecular Pathophysiology	1 hr
<a href="#"><u>PAS 765</u></a>	Clinical Assessment I	3 hrs
<a href="#"><u>PAS 769</u></a>	Behavioral Medicine	1 hr
<a href="#"><u>PAS 775</u></a>	Principles of Clinical Problem Solving	1 hr

### Summer - 10 credit hours

Course Code	Course Title	Credit Hours
<a href="#"><u>PAS 785</u></a>	Clinical Medicine I	4 hrs
<a href="#"><u>PAS 780</u></a>	Pharmacotherapeutics I	1 hr

<a href="#"><u>PAS 766</u></a>	Clinical Assessment II	3 hrs
<a href="#"><u>PAS 770</u></a>	Professional Issues Seminar	1 hr
<a href="#"><u>PAS 783</u></a>	Clinical Practicum I	1 hr

**Fall - 17 credit hours**

Course Code	Course Title	Credit Hours
<a href="#"><u>PAS 786</u></a>	Clinical Medicine II	6 hrs
<a href="#"><u>PAS 781</u></a>	Advanced Pharmacotherapeutics	3 hrs
<a href="#"><u>PAS 787</u></a>	Laboratory Medicine and Clinical Procedures	2 hrs
<a href="#"><u>PAS 788</u></a>	EKG & ACLS	2 hrs
<a href="#"><u>PAS 776</u></a>	Clinical Problem Solving Seminar	1 hr
<a href="#"><u>PAS 777</u></a>	Introduction to Research and Clinical Epidemiology	2 hrs
<a href="#"><u>PAS 784</u></a>	Clinical Practicum II	1 hr

**C. Clinical year courses.** The clinical year consists of 8 six-week clinical preceptorship experiences (PAS 790) for 4-5 credit hours. Students are required to complete the following required clinical preceptorships:

Family practice-primary care*	12 weeks
General surgery	6 weeks
Internal Medicine	6 weeks
Emergency Medicine	6 weeks
Obstetrics and Gynecology/Women's Health	6 weeks
Pediatrics	6 weeks
Elective	6 weeks



\* Consists of 2 separate 6-week preceptorships that will likely be at different sites to insure a variety of clinical experiences.

In addition, students are required to document patient learning experiences in the field of Psychiatry/ Behavioral Medicine that occur during other preceptorships.

Note: All students must complete at least one primary care preceptorship (family practice, internal medicine, or pediatrics) in a rural setting. Students may be required to relocate for some preceptorship rotations. Normally, the travel, housing, and other expenses incurred in relocation are at the student's expense. Additionally, students will register for [PAS 797](#) Clinical Practice Issues Seminar (1 hour) each semester throughout the clinical year for a total of three credits.

1. **Clinical year research requirement.** All students must register 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.

# Department of Psychology

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Applied Behavior Analysis](#) (MS)

[Psychology](#) (MS)

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

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## Certificates

[Forensic Child Psychology](#) (Certificate)

## Program Description

The MS Psychology degree program consists of three tracks: Clinical, Industrial/organizational, and Experimental.

## Contact

### Department head

William Paul Deal

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417-836-8330

**Email**

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[psychology.missouristate.edu/](http://psychology.missouristate.edu/)

# Psychology Graduate Faculty

## Professors

[Russell N. Carney](#)

[Timothy Daugherty](#)

[Donald L. Fischer](#)

[Danae L. Hudson](#)

[Robert G. Jones](#)

[Thomas D. Kane](#)

[David J. Lutz](#)

[Carol F. Shoptaugh](#)

[Brooke L. Whisenhunt](#)

## Associate professors

[Erin Buchanan](#)

[William Paul Deal](#)

[Melissa Duncan Fallone](#)

[Donn L. Kaiser](#)

[D. Wayne Mitchell](#)

[Mary C. Newman](#)

[Ann D. Rost](#)

[Michelle E. Visio](#)

[Carly A. Yadon](#)

[Adena Young-Jones](#)

[Steve C. Capps](#)

[Christie Cathey](#)

[Michael Clayton](#)

[Leslie Echols](#)

[Bogdan Kostic](#)

[David Zimmerman](#)

## Adjunct faculty

[Les Dean](#)

[Phillip J. Finley](#)

[Joseph D. Fietze](#)

[Patrick Lord](#)

## Emeritus professors

[Timothy Bender](#)

[Chris T. Bersted](#)

[Sylvia T. Buse](#)

[Paul J. Companik](#)

[James O. Davis](#)

[David J. Dixon](#)

[Bradley Fisher](#)

[Harry L. Hom, Jr.](#)

## Assistant professors

Franklin L. Hyde

Donn L. Kaiser

Elissa M. Lewis

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

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### PSY 721 Individual Intelligence Testing II

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

*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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand  
[Projected offerings](#)

**PSY 730 Projective Techniques**

*Prerequisite: COU 701 and PSY 720.*

Introduction to theory of and basic underlying projective methods.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

Projected offerings**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

Projected offerings

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

Projected offerings

**PSY 627 Advanced Psychological Statistical**

**Typically offered:** Fall

Projected offerings

**PSY 751 Seminar in Methods of Research**

*Prerequisite: PSY 710 and PSY 711.*

Investigation of research methods employed in education and psychology.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

Projected offerings

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

Projected offerings

**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: 3    Lecture contact hours: 3**

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1    Lecture contact hours: 1**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **PSY 764 Group Psychotherapy**

*Prerequisite: permission of instructor.*

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand  
[Projected offerings](#)

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**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: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**PSY 771 Organizational Health Psychology**

*Prerequisite: PSY 718.*

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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **PSY 669 Psychological Effects of Dementia**

Recommended Prerequisite: PSY 121 and PSY

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PSY 773 Human Factors**

*Prerequisite: PSY 751.*

Provides an introduction to human factors engineering (ergonomics) primarily in the workplace. Involves emphasis on analyzing job

365. 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: 4 Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

requirements, human capabilities, human-machine interactions, and safety.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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



**Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**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:** 1-3 **Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**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:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Upon demand[Projected offerings](#)**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.

decisions.

**Credit hours:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Upon demand[Projected offerings](#)**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:** 3 **Lecture contact hours:** 3**Lab contact hours:** 0**Typically offered:** Spring[Projected offerings](#)**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:** 3 **Lecture contact hours:** 3

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **PSY 709 Psychological Evaluation of Pre-School Children**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **PSY 796 Practicum**

*Prerequisite: admission to the MS in Psychology or Applied Behavior Analysis program.*

Program involving both theory and practice in psychological evaluation of pre-school children.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PSY 710 Psychology of Education**

Orientation to the use of psychology in education.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 x2), reliability and validity.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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,

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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **PSY 798 Internship**

*Prerequisite: PSY 796 and permission.*

Supervised fieldwork in a professional psychology setting. Includes a seminar paper as a requirement.

individual differences measurement, personnel selection, and reliability, validity, and utility analysis.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Applied Behavior Analysis

## Graduate programs

### Master of Science, Applied Behavior Analysis

#### Michael Clayton, Program Director

Hill Hall, Room 404;

Phone 417-836-3783

<http://psychology.missouristate.edu/aba/>

[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 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 Psychology program or Education program with an emphasis in special education.
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 GPA 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 by following this link:  
<http://education.missouristate.edu/services/efe/fcsr.htm>.

## Degree requirements

### Required Courses (total of 39 hours)

Course Code	Course Title	Credit Hours
<a href="#"><u>PSY 614</u></a>	Introduction to Applied Behavior Analysis	3 hrs
<a href="#"><u>SPE 618</u></a>	Applications of Applied Behavior Analysis and Interventions for Teachers in Applied Settings	3 hrs
<a href="#"><u>SPE 625</u></a>	Introduction to Teaching and Assessing Students with Autism Spectrum Disorders	3 hrs
<a href="#"><u>PSY 747</u></a>	Single Subject Research Design in Applied Behavior Analysis	3 hrs
<a href="#"><u>PSY 777</u></a>	Conceptual Foundations of Applied Behavioral Science	3 hrs
<a href="#"><u>PSY 761</u></a>	Ethical and Professional Issues	3 hrs
<a href="#"><u>PSY 797</u></a> or <a href="#"><u>SPE 710</u></a>	Directed Research or Problems in Special Education	3 hrs
<a href="#"><u>PSY 796</u></a> or <a href="#"><u>SPE 791</u></a>	Practicum or Clinical Practicum for Special Needs Populations	6 hrs
<a href="#"><u>PSY 799</u></a> or <a href="#"><u>SPE 799</u></a>	Thesis	6 hrs

**Elective Courses: select two of the following courses (6 hrs)**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>PSY 602</u></a>	Learning Theories	3 hrs
<a href="#"><u>SPE 626</u></a>	Applied Behavior Analysis for Developmental Disabilities and Autism in Applied Settings	3 hrs
<a href="#"><u>SPE 627</u></a>	Seminal in Development and Sensory Disabilities	3 hrs
<a href="#"><u>PSY 629</u></a>	Psychological Tests and Measurements	3 hrs
<a href="#"><u>PSY 695</u></a>	Specialized Topics in Psychology	3 hrs
<a href="#"><u>PSY 745</u></a>	Statistics and Research Design	3 hrs
<a href="#"><u>PSY 767</u></a>	Behavior Disorders of Childhood	3 hrs
<a href="#"><u>SPE 780</u></a>	Contemporary Issues 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.

# Psychology

## Graduate programs

### Master of Science, Psychology

#### David Lutz, Program Director (Clinical Option)

Hill Hall, Room 424; Phone 417-836-5830

<http://psychology.missouristate.edu/clinical/>

[DavidLutz@missouristate.edu](mailto:DavidLutz@missouristate.edu)

#### Carol Shoptaugh, Program Director (Industrial/ Organizational Option)

Hill Hall, Room 213E; Phone 417-836-5788

<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/>; [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 apply to both the Department of Psychology's graduate program and the Graduate College.
2. The Graduate College application and application fee, as well as the following materials, must be submitted to the Graduate College.
  - 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. A separate application must be submitted with the following materials to the Graduate Admissions Committee of the Psychology Department 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).
  - c. although not required, it is helpful if a copy of the student's GRE report and transcript (unofficial) are included with the materials sent to the Psychology Department. Unofficial materials sent to Psychology are not in place of those required by the Graduate College.
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.

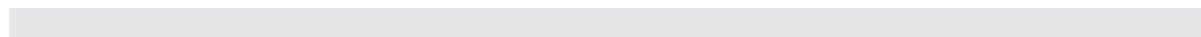
### Core requirements (Required for all options)

Course Code	Course Title	Credit Hours
<a href="#"><u>PSY 745</u></a>	Statistics and Research Design	3 hrs
<a href="#"><u>PSY 752</u></a>	Research Methods	3 hrs
<a href="#"><u>PSY 761</u></a>	Ethical and Professional Issues	3 hrs
<a href="#"><u>PSY 780</u></a>	Social Psychology	3 hrs
<a href="#"><u>PSY 796</u></a>	Practicum	6 hrs
<a href="#"><u>PSY 798</u></a> OR <a href="#"><u>PSY 799</u></a>	Internship or Thesis	3 hrs
<b>Total</b>		<b>21 hrs</b>

### 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
<a href="#"><u>PSY 716</u></a>	Personnel Psychology	3 hrs
<a href="#"><u>PSY 718</u></a>	Organizational Psychology	3 hrs
<a href="#"><u>PSY 750</u></a>	Advanced Survey	3 hrs
<a href="#"><u>PSY 798</u></a> OR <a href="#"><u>PSY 799</u></a>	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
<a href="#"><u>PSY 753</u></a>	Program Evaluation	3 hrs
<a href="#"><u>PSY 771</u></a>	Occupational Health Psychology	3 hrs
<a href="#"><u>PSY 772</u></a>	Performance Assessment	3 hrs
<a href="#"><u>PSY 773</u></a>	Human Factors	3 hrs
<a href="#"><u>PSY 774</u></a>	Training and Development	3 hrs
<a href="#"><u>PSY 776</u></a>	Personnel Selection, Placement and Classification	3 hrs
<a href="#"><u>PSY 778</u></a>	Group Processes	3 hrs
<a href="#"><u>PSY 779</u></a>	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
<a href="#"><u>PSY 720</u></a>	Individualized Intelligence Test	3 hrs
<a href="#"><u>PSY 740</u></a>	Psychological Assessment	3 hrs
<a href="#"><u>PSY 760</u></a>	Clinical Communication Skills	3 hrs
<a href="#"><u>PSY 765</u></a>	Psychotherapy & Counseling: Theories & Techniques	3 hrs
<a href="#"><u>PSY 764</u></a>	Group Psychotherapy	3 hrs

<u>PSY 766</u>	Psychopathology	3 hrs
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Electives: Depending upon the student's career objectives, courses will be selected from the following: <u>PSY 614</u> Behavior Modification & Change; <u>PSY 701</u> Symposium in Psych.; <u>PSY 742</u> Practicum in Psych. Assessment; <u>PSY 767</u> Behavior Disorders of Childhood; <u>PSY 799</u> Thesis; and <u>COU 752</u> Career Development.	8 hrs
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### 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
<u>PSY 750</u>	Advanced Survey	3 hrs
<u>PSY 799</u>	Thesis	3 hrs (total of 6 hrs in core and track)
	<i>Plus 4 courses selected from the following:</i>	12 hrs
<u>PSY 606</u>	Perception	3 hrs
<u>PSY 614</u>	Introduction to Applied Behavior Analysis	3 hrs
<u>PSY 612</u>	Personality Theory and Systems	3 hrs
<u>PSY 619</u>	Cognitive Development	3 hrs
<u>PSY 622</u>	Physiological Psychology	3 hrs
<u>PSY 625</u>	Motivation and Emotion	3 hrs
<u>PSY 629</u>	Psychological Tests and Measurements	3 hrs
<u>PSY 634</u>	Psychology of Infancy	3 hrs
<u>PSY 701</u>	Symposium in Psychology	3 hrs
<u>PSY 703</u>	Human Growth and Development	3 hrs

<a href="#">PSY 708</a>	Memory	3 hrs
<a href="#">PSY 751</a>	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](#) (Internship) or [PSY 799](#) (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.

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
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Courses from a second of the above disciplines	6 hrs
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<b>Total</b>	<b>15 hrs</b>
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# Forensic Child Psychology

## Graduate programs

### Graduate Certificate In Forensic Child Psychology

For information, please contact

**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 non-degree 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
<a href="#"><u>PSY 604</u></a>	Forensic Child Psychology	3 hrs
<a href="#"><u>PSY 617</u></a>	Psychology of Child Abuse and Exploitation	3 hrs
<a href="#"><u>PSY 657</u></a>	Forensic Psychology: Child Abuse and the Law	3 hrs
<a href="#"><u>PSY 797</u></a>	Directed Research	3 hrs
	<b>Total</b>	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 on online Application for Graduation). This can be done through the Academics Tab 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.

# Master of Public Health

## Programs

✚Includes accelerated master's option

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## Master's program

[Public Health](#) (MPH) ✚

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## Certificates

[Public Health Administration](#) (Certificate)

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

[Public Health Core](#) (Certificate)

## 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.

## Contact

### Interim director

David Claborn

### Office

McQueary Hall, Suite 112

### Phone

417-836-8850

### Email

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.

An accelerated option is available for eligible Missouri State University undergraduate majors. 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.

[Publichealth@missouristate.edu](mailto:Publichealth@missouristate.edu)

**Website**

[missouristate.edu/mph/](http://missouristate.edu/mph/)

# Public Health Graduate Faculty

## Professor

[Dalen M. Duitsman](#)

## Associate professor

[David Claborn](#)

## Assistant professor

[Kip Thompson](#)

# Public Health Courses

## Public Health (PBH) courses

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **PBH 785 Seminar in Public Health**

*Prerequisite: permission of Graduate Coordinator.*

environmental influences on health behavior and evaluate strategies for health promotion.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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



**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **PBH 758 Contemporary Issues in Public Health**

In-depth consideration of pertinent issues, trends, controversy, and current research in public health.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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.

preparation. May be repeated for credit.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PBH 799 Capstone Project in Public Health**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

# Public Health

## Graduate programs

### Master of Public Health

**David Claborn**, Interim Program Director

Physical Therapy Building, Suite 112

Phone: 417-836-8850

[davidclaborn@missouristate.edu](mailto:davidclaborn@missouristate.edu); <http://www.missouristate.edu/mph/>

### 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. GRE scores must be sent to Missouri State University from the Educational Testing Service (Institution code: 6665). 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 College 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.

## Admission procedures

The personal statement of professional goals, and letters of recommendation are to be sent directly to the MPH Program office. Note: Letters of recommendation are to be sent directly from the recommender(s) or, if sent with the letter of application, **must be individually sealed** with signatures across envelope flap.

All other application materials are to be sent directly to the Graduate College (for domestic applicants) or International Services (for international applicants).

## Degree requirements

The MPH program requires completion of 42 credit hours and includes the following:

### *Public Health Core Courses (15 hrs)*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>PBH 730</u></a>	Biostatistics for Health Sciences	3 hrs
<a href="#"><u>PBH 740</u></a>	Health Behavior	3 hrs
<a href="#"><u>PBH 745</u></a>	Environmental Health	3 hrs
<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs

### *Other Required Courses (15 hrs)*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 735</u></a>	Software Applications and Data Sources in Public Health	3 hrs
<a href="#"><u>PBH 756</u></a>	Introduction to Public Health	3 hrs
<a href="#"><u>PBH 760</u></a>	Research Methods in Public Health	3 hrs
<a href="#"><u>PBH 783</u></a>	International Health and Infectious Disease	3 hrs

MGT 701

Health Services Organization

3 hrs

*Elective Courses (6 hrs\*)*

\*Select two courses with consent of program advisor

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

*Field and Capstone Experience (6 hrs)*

Course Code	Course Title	Credit Hours
<u>PBH 798</u>	Public Health Field Experience	6 hrs
<u>PBH 799</u> <b>and</b> <u>PBH 798</u>	Capstone Project in Public Health <b>and</b> Public Health Field Experience	3 hrs <b>and</b> 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](#) 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](#) - 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.

# Public Health Administration

## Graduate 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
<a href="#">MGT 701</a>	Health Services Organization	3 hrs

<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs
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<a href="#"><u>PLS 754</u></a>	Seminar in Health Policy	3 hrs
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*Choose one of the following:*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 760</u></a>	Research Methods in Public Health	3 hrs
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs

*Choose one of the following:*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 756</u></a>	Introduction to Public Health	3 hrs
<a href="#"><u>PLS 778</u></a>	Ethics & Leadership in the Public Sector	3 hrs
<a href="#"><u>MGT 600</u></a>	Administrative, Organizational & Operations Concepts for Manager	3 hrs

# Public Health and Homeland Security

## Graduate 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:**

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>PBH 730</u></a>	Biostatistics for Health Sciences	3 hrs
<a href="#"><u>PBH 740</u></a>	Health Behavior	3 hrs
<a href="#"><u>PBH 745</u></a>	Environmental Health	3 hrs
<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs
<a href="#"><u>PBH 781</u></a>	Public Health Preparedness	3 hrs

*Choose 2 courses from list below:*

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>PLS 717</u></a>	Multidisciplinary Approaches to Homeland Security	3 hrs
<a href="#"><u>PLS 719</u></a>	Strategic Planning & Organizational Imperatives in Homeland Security	3 hrs
<a href="#"><u>PLS 772</u></a>	Introduction to Public Safety	3 hrs
<a href="#"><u>PLS 773</u></a>	Hazard Analysis, Mitigation & Preparedness	3 hrs
<a href="#"><u>CRM 740</u></a>	Foundations of Homeland Defense & Security	3 hrs
<a href="#"><u>CRM 745</u></a>	Topics in Homeland Defense & Security	3 hrs

# Public Health Core

## Graduate 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
<a href="#">PBH 720</a>	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
Choose one of the following:		
<u>PBH 775</u>	Principles and Skills of Public Health Administration	3 hrs
<u>PBH 756</u>	Introduction to Public Health	3 hrs

# School of Social Work

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Social Work](#) (MSW)

## Program Description

The MSW program (fully accredited by the Council on Social Work Education) prepares students for advanced social work practice in an area of family health concentration. The student acquires the professional foundation of social work knowledge, values, and skills directed toward an area of concentration, which is family health.

Goals of the MSW program include the following.

1. Provide foundation curriculum built upon the liberal arts that emphasizes a generalist perspective in family health and practice with individuals, families, groups, organizations and communities.
2. Prepare graduates committed to appreciating and accepting diversity among various groups of people.
3. Provide the social work profession with graduates who are able to skillfully respond to social problems, social change initiatives and differing service delivery systems that affect family health.
4. Infuse and affirm the values, ethics purpose and goals of the social work profession throughout the educational curriculum.

## Contact

### Director

Michele Day

### Office

Pummill Hall, Room 105

### Phone

417-836-6953

### Fax

417-836-7688

### Email

[swk@missouristate.edu](mailto:swk@missouristate.edu)

### Website



5. To prepare advanced social work practitioners who understand and accept the responsibility to become and remain proficient in professional practice through lifelong acquisition of knowledge and skills.

The MSW Program is currently offered at three campuses; one in Springfield, one in Joplin and one in West Plains. The Springfield site is the primary Missouri State University (MSU) campus and is where the main department office of the School of Social Work resides. The Joplin site is located at 724 Illinois Street. The West Plains program is on the West Plains campus. Since Joplin is considered a satellite program offered via Missouri State Outreach program, in-state tuition is available to Joplin students regardless of whether they live in Missouri, Arkansas, Kansas or Oklahoma.

The School of Social Work offers the MSW program in two formats: the Advanced Standing and the Regular programs. Both the Advanced Standing and the Regular programs are offered in full- and part-time sequences.

The Advanced Standing program is designed for students who have a baccalaureate degree in social work (BSW) from a Council on Social Work Education (CSWE) accredited program and who meet the other 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 (five semesters). Advanced Standing students begin their studies during the Summer semester of the admission year.

The Regular MSW program is designed for students who do not have a baccalaureate degree in social work from a program accredited by the CSWE, or who do not meet the other admission requirements for the Advanced Standing program. The Regular program requires 62 credit hours to earn the MSW degree. The student can complete the program in full-time status (two calendar years) or part-time status (four calendar years or in mixed status

(three calendar years). Students accepted for admission into the regular MSW program begin their studies in the Fall semester of the admission year.

The School of Social Work offers Full-time and Part-time Advanced Standing and part-time Regular Programs on all campuses. **The full-time Regular program is only offered on the Springfield campus at this time.**

# Social Work Graduate Faculty

## Professors

[Susan C. Dollar](#)

[Mary Ann Jennings](#)

[Carol Langer](#)

## Associate professors

[Michele Day](#)

[Darryl R. Haslam](#)

## Assistant professors

[Amanda Keys](#)

## Clinical Assistant professor

[Malikah Marrus](#)

## Clinical faculty

[Natalie Curry](#)

[Jannette Eldred](#)

[Tiffany Havlin](#)

[Regina Russell](#)

## Per course instructors

[Richele L. Babbitt](#)

[Angela R. Conover](#)

[Natalie Curry](#)

[John Getchell](#)

[Beverly A. Long](#)

Joan McClennen

[Tressa Moyle](#)

Luther Smith

[Mary C. Turner](#)

Cynthia Weaver

[Jeremey Wolfe](#)

## Emeritus professors

John T. Pardeck

[Lola Butler](#)

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### SWK 641 Family Health and Family Violence

Enhances students' understanding of the theories, policies, practices, and interventions related to family violence. May be taught concurrently with SWK 544. Cannot receive credit for both SWK 641 and SWK 544.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### SWK 730 Perspectives in Human Diversity and Societal Systems

*Prerequisite: admission to the MSW program or permission of department.*

Theoretical perspectives and research findings on various populations at risk and the role of societal institutions in perpetuating social and economic injustice.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### SWK 740 Social Work Field Practicum I

*Prerequisite: admission to MSW program; and completion of, or concurrent enrollment with, all other foundation courses.*

Supervised social work experience in a social agency in the community with accompanying field instructional seminar. Seminar enhances student's integration of coursework learning practice and skills; examines student experiences in field agency. Students must complete 450 hours in placement; practicum liability insurance fee required. Supplemental course fee.

**Credit hours: 3-10 Lecture contact hours:**

**SWK 695 Forensics Social Work**

*Prerequisite: permission of instructor.*

This course teaches social workers to work in legal settings (e.g., criminal court, civil court, juvenile court, family court, prisons, jails). A broad range of topics is discussed that give students exposure to various types of forensic social work. This course is designed to assist students in preparing for various practice settings where social work and the law intersect.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

**SWK 742 Family Health and Substance Abuse**

This course provides an opportunity for the students to understand the problems of alcohol and drug use and dependence, and their impact on family health.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**SWK 746 Foundations in Social Work Research**

*Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework; or permission of department.*

Teaches foundational knowledge and skills in key

**Typically offered:** Spring

[Projected offerings](#)

### **SWK 698 Ethical Dimensions of Social Work**

Examines the ethical dimensions of social work in the context of ethical issues related to practice; including tensions intrinsic to the mission of social work, and examination of various philosophical frameworks and codes of ethics, analysis of larger systems that create and sanction specific values and ethics, legal issues, and decision-making strategies. May be taught concurrently with SWK 598. Cannot receive credit for both SWK 598 and SWK 698.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

social work research methods; reviews research concepts and tools most frequently encountered by the family-focused social work practitioner.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **SWK 750 Human Behavior and Family Systems**

*Prerequisite: admission to MSW program; and Advanced Standing or completion of all foundation coursework.*

Examines the family within an ecosystemic context and provides key perspectives related to family development and how individual family member development affects and is affected by the family system. Also provides key foundations in Family Health Social Work Practice.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **SWK 754 Perspectives on Individual and Family Health Assessment**

*Prerequisite: SWK 750; and admission to MSW program.*

Advanced topics related to individual and family-based assessment systems and tools. Provides basic awareness of when to use various individually-focused assessment (e.g., DSM-IV) and family focused assessment (e.g., FAD).

## **SWK 705 Human Behavior and Social Environment**

*Prerequisite: admission to MSW program.*

Content on life span development and the influence of various systems on the individual.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## **SWK 755 Family Health Social Work Practice I**

*Prerequisite: SWK 750; and admission to MSW program.*

Key theories and skills related to advanced social work practice with couples and families. Incorporates role-plays and/or class exercises to practice key family interaction skills.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## **SWK 756 Family Health Social Work Practice II**

*Prerequisite: SWK 754 and SWK 755; and admission to MSW program.*

Advanced assessment and family-centered practice interventions related to the family health perspective. Discusses problem identification and intervention for family-focused practice issues; also advanced practice theory integration and application.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 the basic skills required to facilitate group process and tasks, contrast between non-kin groups and family sessions, and strategies for working with families.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

### **SWK 760 Family Health Policy**

*Prerequisite: SWK 750; and admission to MSW program.*

Assists students in understanding how policies affecting family health are designed. Provides an analysis of the family health care delivery systems in the United States and other countries.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **SWK 780 Social Work Field Practicum II**

*Prerequisite: admission to MSW program; and field coordinator approval; and completion of, or concurrent enrollment in, all other concentration courses.*

Supervised social work experience in a social service agency in the community with accompanying field instructional seminar. Seminar enhances student's integration of coursework learning and practice skills; examines student experiences in field agency. Students must complete 525 hours in placement; practicum liability insurance fee required. Supplemental course fee.

**Credit hours: 3-10 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)



**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

**SWK 797 Applications in Social Work  
Research**

*Prerequisite: SWK 746; and admission to MSW program.*

Teaches advanced knowledge and skills in key social work research methods; reviews key research applications in social work practice settings, including evaluation of practice and program evaluation. Integration between research projects and student's professional interests in the field are encouraged.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

# Social Work

## Graduate programs

### Master of Social Work

#### Program Administrators:

#### MSW Program Coordinator and Joplin Site Manager

Jannette Eldred

724 Illinois

Joplin, MO 64801

417-629-3942 or 417-629-3940

[jeldred@missouristate.edu](mailto:jeldred@missouristate.edu)

#### School of Social Work - West Plains Site Manager

603 West Main Street, Gohn Hall

West Plains, MO 65775

417-255-7777

#### Field Education Coordinators:

Springfield and West Plains Campuses

Regina Russell, Pummill Hall, Room 105-1

417-836-6322; [RRussell@missouristate.edu](mailto:RRussell@missouristate.edu)

Joplin Campus

Janette Eldred; 724 Illinois, Joplin, MO 64801

417-629-3942; [jeldred@missouristate.edu](mailto:jeldred@missouristate.edu)

#### Program description

The MSW program (fully accredited by the Council on Social Work Education) prepares students for advanced social work practice in an area of family health concentration. The student acquires the professional foundation of social work knowledge, values, and skills directed toward an area of concentration, which is family health. Goals of the MSW program include the following.

1. Provide foundation curriculum built upon the liberal arts that emphasizes a generalist perspective

in family health and practice with individuals, families, groups, organizations and communities.

2. Prepare graduates committed to appreciating and accepting diversity among various groups of people.
3. Provide the social work profession with graduates who are able to skillfully respond to social problems, social change initiatives and differing service delivery systems that affect family health.
4. Infuse and affirm the values, ethics purpose and goals of the social work profession throughout the educational curriculum.
5. To prepare advanced social work practitioners who understand and accept the responsibility to become and remain proficient in professional practice through lifelong acquisition of knowledge and skills.

The MSW Program is currently offered at three campuses; Springfield, Joplin and West Plains. The Springfield site is the primary Missouri State University (MSU) campus and is where the main department office of the School of Social Work resides. The Joplin site is located at 724 Illinois Street. The West Plains program is on the Missouri State-West Plains campus. Since Joplin and West Plains are considered satellite programs offered via Missouri State Outreach program, in-state tuition is available to Joplin students regardless of whether they live in Missouri, Arkansas, Kansas or Oklahoma and to West Plains students in Missouri and Arkansas.

The School of Social Work offers the MSW program in two formats: Advanced Standing and Regular programs. At the Springfield campus, both the Advanced Standing and Regular programs are offered in full- and part-time sequences. At the Joplin and West Plains campuses, both programs are available in a part-time sequence only. Admission to the Springfield Campus is held yearly. Admission to the Joplin and West Plains programs are held in rotation years.

The Advanced Standing program is designed for students who have a baccalaureate degree in social work (BSW) from a Council on Social Work Education (CSWE) accredited program and who meet the other 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 MSW program is designed for students who do not have a baccalaureate degree in social work from a program accredited by the CSWE, or who do not meet the other admission requirements for the Advanced Standing program. The Regular program requires 62 credit hours to earn the MSW

degree. The student can complete the program in full-time status (two calendar years) or part-time status (four calendar years or in mixed status (three calendar years)). Students accepted for admission into the regular MSW program 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.

## **Proficiency Examinations and Life Experience**

The MSW program does not currently allow completion of degree requirements through proficiency examinations except to use CLEP. No credit will be given for life or work experience in lieu of field practicum, foundation courses, elective or family health concentration courses.

## **Transfer Students**

The MSW program will consider transfer credits for core courses only from accredited graduate schools of social work. A maximum of 12 graduate hours from such programs may be accepted if taken at the Foundation level. No transfer course work will be accepted for classes taken at the Concentration 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 Graduate Admissions Committee 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.

## **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 National Association of Social Workers 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 are published on the School of Social Work web site:

<http://www.missouristate.edu/swk/>.

## Application Deadlines

The application deadline for full consideration is January 31 at 5:00 p.m. for the year of desired admission for both Advanced Standing and Regular MSW applicants and for all campuses.

Applications must have **all** application materials turned into and/or received by the School of Social Work and the Graduate College by the application deadline for full consideration. Since the Graduate College materials may take processing time, applicants should complete these requirements at least two weeks before the deadline.

Applicants must print and mail completed application packets. All required forms are found on the MSW website under Admission (listed below). Mail to: School of Social Work; MSW Admission Committee, 901 S National Ave, Springfield, MO 65897.

Important Note: Applicants should visit the MSW website ([www.missouristate.edu/swk/](http://www.missouristate.edu/swk/)) for the latest information and updates related to admissions and to access the online application system. Admission materials for the upcoming year will be posted by October of the year prior.

Admissions to the MSW program involves the “whole person” concept. As such, the admission process takes into account a person’s character and personal fitness to the social work profession, academic preparedness for graduate study and potential to conduct applied social work as evidence by 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.

## Admission Requirements for the Regular MSW Program

Applicants to the Regular MSW program must meet the following requirements to be considered for admission:

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 3.25 on a 4.00 scale for all undergraduate course work taken. The GPA for the 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.

Notes in regard to the GPA:

1. Those with less than a 3.25 who have exceptional qualifications toward becoming a professional social worker may be considered, but are not guaranteed an admission review (based on the number of applications which meet the minimum standards).
2. Applicants who have completed at least 9 hours of graduate coursework from a particular program of study related to social work may request this GPA to be considered in addition to the above.

*Prerequisites:* Applicants must show evidence of a bachelors 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 many of all of 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.

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.

### **Admission Requirements for the Advanced Standing Program**

Applicants to the Advanced Standing MSW program must meet the following requirements to be considered for admission:

1. Applicants must have earned a bachelor's degree in social work from an undergraduate program accredited by the Council on Social Work Education no longer than seven years prior to admission to the MSW program.
2. Applicants must have no more than one grade of "C" and not grades below "C" in social work major courses.
3. Applicants must have earned an overall GPA of at least 3.25 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.

### **Application Materials and Requirements**

All MSW program applicants must complete the required application materials and procedures below. Note that certain items must be turned into the School of Social Work (SSW) office, while others must be submitted directly to the Graduate College office.

**Items or Procedures for Graduate College office:**

1. Submit all prior college transcripts and course work.
2. Complete a Graduate College Application.
3. Pay the required application fee.

The Graduate Record Examination (GRE) is not required for MSW applications.

**Items or Procedures for SSW department office:**

1. Complete a department application for the MSW program.
2. Submit written personal statements that conform to the requirements set forth in the MSW program application.
3. Submit three letters of reference that indicate the applicant's potential to be successful in graduate study and to become an independent, professional social worker. These must be included in your mailed application packet in sealed envelopes signed on the back by the reference.
4. Submit a professional resume.
5. Any other forms or items listed on the website.

**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 social work degree courses
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 social work degree course

**Research Requirement**

A masters research project is required primarily conducted within the requirements of the two research classes in the MSW curriculum. A poster presentation displaying this research is also required.

**Comprehensive Examination**

A comprehensive examination, typically administered in the final semester of the MSW program, must be passed by the candidate before a degree will be granted.

### **Degree Requirements for Regular Standing MSW Program**

The Regular 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 Foundation 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 Concentration Level and involves courses taken in the second year (if full-time status) or third and fourth year (if part-time). Typical class schedules by semester and year are found on the School of Social Work website for both full-time and part-time students: <http://www.missouristate.edu/swk/>

### **Required Courses for Regular Standing MSW Program:**

#### ***Foundation Level Courses:***

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>SWK 705</u></a>	Human Behavior in the Social Environment	3 hrs
<a href="#"><u>SWK 710</u></a>	Foundations in Social Work Practice with Individuals	3 hrs
<a href="#"><u>SWK 715</u></a>	Social Welfare Policy and Services	3 hrs
<a href="#"><u>SWK 725</u></a>	Foundations in Social Work Practice with Families and Groups	3 hrs
<a href="#"><u>SWK 726</u></a>	Foundations in Social Work Practice with Communities and Organizations	3 hrs
<a href="#"><u>SWK 730</u></a>	Perspectives in Human Diversity and Societal Systems	3 hrs
<a href="#"><u>SWK 740</u></a>	Social Work Field Practicum I (450 hours)	10 hrs
<b>Level Total</b>		<b>28 hrs</b>

#### ***Concentration Level Courses:***

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>SWK 746</u></a>	Foundations in Social Work Research	3 hrs
<a href="#"><u>SWK 750</u></a>	Human Behavior and Family Systems	3 hrs



<a href="#"><u>SWK 754</u></a>	Perspectives on Individual and Family Health Assessment	3 hrs
<a href="#"><u>SWK 755</u></a>	Family Health Social Work Practice I	3 hrs
<a href="#"><u>SWK 756</u></a>	Family Health Social Work Practice II	3 hrs
<a href="#"><u>SWK 760</u></a>	Family Health Policy	3 hrs
<a href="#"><u>SWK 780</u></a>	Social Work Field Practicum II (525 hours)	10 hrs
<a href="#"><u>SWK 797</u></a>	Applications in Social Work Research	3 hrs
	Social Work Elective	3 hrs
	<b>Level Total</b>	<b>34 hrs</b>
	<b>Degree Total</b>	<b>62 hrs</b>

***Current Elective Courses in the MSW Program:***

Course Code	Course Title	Credit Hours
<a href="#"><u>SWK 602</u></a>	Rural Health (online)	3 hrs
<a href="#"><u>SWK 695</u></a>	Forensic Social Work	3 hrs
<a href="#"><u>SWK 696</u></a>	Health Literacy in the Human Services (online)	3 hrs
<a href="#"><u>SWK 699</u></a>	Special Topics in Social Work Practice	3 hrs
SWK 641	Family Health and Family Violence	3 hrs
<a href="#"><u>SWK 742</u></a>	Family Health and Substance Abuse	3 hrs
<a href="#"><u>SWK 743</u></a>	Management and Program Development In Human Services (online)	3 hrs

**Required Courses for Advanced Standing Program**

The Advanced Standing MSW degree requires a minimum of 34 semester hours of graduate credit and involves the classes described above as the Concentration Level of course work.

***Concentration Level Courses:***

<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>SWK 746</u></a>	Foundations in Social Work Research	3 hrs
<a href="#"><u>SWK 750</u></a>	Human Behavior and Family Systems	3 hrs
<a href="#"><u>SWK 754</u></a>	Perspectives on Individual and Family Health Assessment	3 hrs
<a href="#"><u>SWK 755</u></a>	Family Health Social Work Practice I	3 hrs
<a href="#"><u>SWK 756</u></a>	Family Health Social Work Practice II	3 hrs
<a href="#"><u>SWK 760</u></a>	Family Health Policy	3 hrs
<a href="#"><u>SWK 780</u></a>	Social Work Field Practicum II (525 hours)	10 hrs
<a href="#"><u>SWK 797</u></a>	Applications in Social Work Research	3 hrs
	Social Work Elective	3 hrs
	<b>Degree Total</b>	<b>34 hrs</b>

# Department of Sports Medicine and Athletic Training

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Athletic Training](#) (MS)

## Contact

### Department head

Tona Hetzler

### Office

Professional Building, Room  
160

### Phone

417-836-8553

### Fax

417-836-8554

### Email

[SportsMedicine@missouristate.edu](mailto:SportsMedicine@missouristate.edu)

### Website

[sportsmed.missouristate.edu/](https://sportsmed.missouristate.edu/)

# Sports Medicine and Athletic Training Graduate Faculty

## Professor

[Tona Hetzler](#)

## Associate professor

[Allan Liggett](#)

## Associate professor

[Michael Hudson](#)

## Clinical instructors

[Shannon Derricks](#)

## Assistant professors

[W. David Carr](#)

[Kristin Tivener](#)

## Instructors

[Brandon Hetzler](#)

## Emeritus faculty

[Gary Ward](#)

Jim Raynor

# Athletic Training Courses

## Athletic Training (ATC) courses

### **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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 2    Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **ATC 620 Leadership Concepts in Athletic Training**

This course covers an examination and application of leadership and professional theories and the

### **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 for a maximum of 2 hours.

**Credit hours: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 1**

**Typically offered:** Spring

[Projected offerings](#)

### **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 MSA public affairs mission and culminate in a meaningful response to an issue within the athletic training profession.

**Credit hours: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **ATC 632 Manual Therapy Techniques**

Detailed analysis and application of manual therapy techniques for treating musculoskeletal pathologies involving the spine and upper and

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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

lower extremities.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

objective and functional goal setting and evaluation for appropriate progression and expedited return to activity.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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 for a minimum of 3 hours.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **ATC 798 Special Topics**

*Prerequisite: permission of program director.*

Special study of Sports Medicine and Athletic Training. Variable content course. May be repeated for credit to a maximum of 4 hours. Same topic may be repeated once for credit.

**Credit hours: 1-2 Lecture contact hours:**

**Lab contact hours:**



**Typically offered:** Upon demand

[Projected offerings](#)

### **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 for a minimum of 6 hours.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Athletic Training

## Graduate programs

### Master of Science in Athletic Training

**Tona Hetzler**, Program Director

Professional Building, room 160

Phone: 417-836-8553

[Tonahetzler@missouristate.edu](mailto:Tonahetzler@missouristate.edu)

### 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 Orthopedic 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. To be considered for admission to the MSAT program, a prospective student must apply to both the Graduate College and the Department of Sports Medicine and Athletic Training graduate program. 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. Submission of an application to the graduate program in Sports Medicine and Athletic Training (including a resume, cover letter, one page essay addressing applicant's professional career goals and how the MSAT program will help accomplish these goals, Graduate Record Examination (GRE) scores).
3. 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.

4. BOC certification, eligible for the BOC or an equivalent athletic training credential (e.g., Canadian Certified Athletic Therapist).
5. Licensure as an Athletic Trainer in good standing in Missouri or eligible for licensure in Missouri.
6. A baccalaureate degree from an accredited college or university - including a Statistical Methods course (PSY 200 or equivalent).
7. 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).
8. Provide evidence of current professional liability insurance. This is required IF a student is practicing as an ATC while in school and is NOT covered by an employer's liability insurance. Provide evidence of current Professional Rescuer and AED certification.
9. Applicants must have the capacity for performance of the technical functions and tasks required of an athletic trainer.
10. Students will be required to initiate and pay for any additional security checks and drug screening IF required by clinical agencies. 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 Department of Sports Medicine and Athletic Training. This may result in dismissal from the MSAT program. Students will also be required to pay for professional memberships and licensure, as well as any other cost associated with their program of study.
11. The National Athletic Trainers' Association has a Professional Code of Ethical Conduct. All athletic training students will adhere to this Code and respect the rights and dignity of all individuals.

Students with complete application materials for full admission will be reviewed by the Department of Sports Medicine and Athletic Training. Selection of students for the MSAT program is selective and competitive due to limited resources. Students who are not accepted into the program may apply for the next application deadline.

### **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 levels of maturity and integrity, as well as behaviors and attitudes normally expected of health care professionals.
3. Demonstrate acceptable professional progression in application of skills and knowledge.
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 liability insurance.
7. Maintain current professional rescuer and AED certification.
8. Students working on thesis or non-thesis project must remain enrolled in GEN 798 until the thesis or non-thesis project is completed.

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 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

MSAT 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 Graduate Athletic Training Students* for additional policies and procedures of the Sports Medicine and Athletic Training Department.

### Degree requirements (minimum of 36 hours)

- 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;
  - Recommend acceptance or rejection of all graduate course work toward the program of study as listed on the Advisor-Approved Program of Study; 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.

- Core Course** (33-36 hours)

Course Code	Course Title	Credit Hours
<a href="#"><u>ATC 610</u></a>	Leadership Theory and Issues in Athletic Training	2 hrs
<a href="#"><u>ATC 612</u></a>	Human Movement	2 hrs
<a href="#"><u>ATC 620</u></a>	Leadership Concepts in Athletic Training	3 hrs
<a href="#"><u>ATC 630</u></a>	Leadership Practicum	1 hr
<a href="#"><u>ATC 632</u></a>	Manual Therapy Techniques	3 hrs

<a href="#">ATC 640</a>	Evidence Based Practice	2 hrs
<a href="#">ATC 710</a>	Seminar in Athletic Training (3 courses)	2 hrs
<a href="#">ATC 723</a>	Movement Pattern Assessment	3 hrs
<a href="#">ATC 732</a>	Applied Research Methods in Health Care	3 hrs
<a href="#">ATC 733</a>	Corrective Exercise Techniques/Movement Pattern Interventions	3 hrs
<a href="#">ATC 743</a>	Advanced Therapeutic Interventions	3 hrs
<a href="#">ATC 797</a>	Non-thesis Project <b>OR</b>	3 hrs
<a href="#">ATC 799</a>	Thesis	6 hrs
<a href="#">PSY 627</a>	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.

# College of Humanities and Public Affairs

## Programs

✚Includes accelerated master's option

### Master's programs

[Administrative Studies: Criminal Justice Option](#)  
(MS)

[Administrative Studies: Homeland Security and Defense Option](#) (MS)

[Applied Anthropology](#) (MS) ✚

[Criminology and Criminal Justice](#) (MS) ✚

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

[Global Studies](#) (MGS) ✚

[History](#) (MA) ✚

[Public Administration](#) (MPA) ✚

[Religious Studies](#) (MA) ✚

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

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

### Certificates

[Community Corrections](#) (Certificate)

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

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

[History for Teachers](#) (Certificate)

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

[Public Management](#) (Certificate)

[Religious Studies for the Professions](#)  
(Certificate)

The college of Humanities and Public Affairs has many degree and certificate opportunities.

## Centers for Research and Service

### Bureau of Economic Research

The [Bureau](#), 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](#) 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.

### Center for Social Sciences and Public Policy Research

The [Center](#) 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.

### Dean

[Victor H. Matthews](#)

### Associate Dean

[Pamela R. Sailors](#)

### Office

Strong Hall, Room 251

### Phone

417-836-5529

### Fax

417-836-8472



# Department of Criminology and Criminal Justice

## Programs

✚Includes accelerated master's option

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## Master's programs

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

[Administrative Studies: Criminal Justice Option \(MS\)](#)

[Administrative Studies: Homeland Security and Defense Option \(MS\)](#)

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## Certificates

[Community Corrections \(Certificate\)](#)

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

## 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

### Department head

Brett Garland

### Office

Strong Hall, Room 231

### Phone

417-836-3799

### Fax

417-836-3200

**Email**

[criminology@missouristate.edu](mailto:criminology@missouristate.edu)

**Website**

[criminology.missouristate.edu](http://criminology.missouristate.edu)

# Criminology and Criminal Justice Graduate Faculty

## Professor

[Brett E. Garland](#)

[Bernard J. McCarthy](#)

## Associate professors

[Patrick R. Gartin](#)

[Aida Y. Hass](#)

[Patti Ross Salinas](#)

## Assistant professors

[Ethan Amidon](#)

[Julie Baldwin](#)

[Michael Suttmoeller](#)

## Emeritus professors

[Michael K. Carlie](#)

[Melodye G. Lehnerer](#)

# Criminology and Criminal Justice 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

### **CRM 750 Law Enforcement and Community**

This course addresses concerns and issues facing law enforcement agencies within a community context. Administrative implications of these subjects will also be addressed.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CRM 770 Correctional Theory and Practice**

This course examines social control responses to lawbreakers including the exploration of classical

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CRM 701 Criminal Justice Policy**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or MS in Administrative Studies 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.

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**CRM 715 Leadership and Management in Criminal Justice**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or MS in Administrative Studies 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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **CRM 720 Crime Theory and Policy**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or MS in Administrative Studies 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer, Upon demand

[Projected offerings](#)

**CRM 745 Topics in Homeland Defense and Security**

*Prerequisite: CRM 740.*

A comprehensive and integrated homeland security and defense strategy must also include

[Projected offerings](#)**CRM 796 Independent Study in Criminology and Criminal Justice**

*Prerequisite: admission to the MS in Criminology and Criminal Justice or the MS in Administrative Studies 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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CRM 746 Global Criminology**

This course explores how the traditional field of criminology is being transformed by forces of globalization.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

# Criminology and Criminal Justice

## Graduate programs

### Master of Science, Criminology and Criminal Justice

**Patti Salinas, Graduate Director**

Strong Hall, Room 228; Phone 417-836-5642

[pattisalinas@missouristate.edu](mailto:pattisalinas@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 to the Graduate College: the Graduate Admission Application, the application fee, one official copy of transcripts showing course work for the bachelor's degree, and GRE scores (if applicable). In addition, applicants must submit these materials to the department: statement of intent describing reasons for applying to the MS in Criminology along with post-graduation plans, and 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)

- Core Requirements - 21 hrs

Course Code	Course Title	Credit Hours
<a href="#"><u>CRM 701</u></a>	Criminal Justice Policy	3 hrs
<a href="#"><u>CRM 705</u></a>	Applied Research in Criminal Justice	3 hrs
<a href="#"><u>CRM 715</u></a>	Leadership and Management in Criminal Justice	3 hrs
<a href="#"><u>CRM 720</u></a>	Crime Theory and Policy	3 hrs
<a href="#"><u>CRM 798</u></a>	Thesis I	3 hrs
<a href="#"><u>CRM 799</u></a>	Thesis II	3 hrs

Students must take one of the following:

Course Code	Course Title	Credit Hours
<a href="#"><u>CRM 730</u></a>	Juvenile Justice	3 hrs
<a href="#"><u>CRM 750</u></a>	Law Enforcement and Community	3 hrs
<a href="#"><u>CRM 765</u></a>	Legal Issues in Criminal Justice	3 hrs
<a href="#"><u>CRM 770</u></a>	Correctional Theory and Practice	3 hrs

- 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
<a href="#"><u>CRM 701</u></a>	Criminal Justice Policy	3 hrs
<a href="#"><u>CRM 705</u></a>	Applied Research in Criminal Justice	3 hrs
<a href="#"><u>CRM 715</u></a>	Leadership and Management in Criminal Justice	3 hrs
<a href="#"><u>CRM 720</u></a>	Crime Theory and Policy	3 hrs
<a href="#"><u>CRM 797</u></a>	Policy Analysis Capstone	3 hrs

Students must take one of the following:

Course Code	Course Title	Credit Hours
<a href="#"><u>CRM 730</u></a>	Juvenile Justice	3 hrs
<a href="#"><u>CRM 750</u></a>	Law Enforcement and Community	3 hrs
<a href="#"><u>CRM 765</u></a>	Legal Issues in Criminal Justice	3 hrs
<a href="#"><u>CRM 770</u></a>	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.

# Administrative Studies: Criminal Justice Option

## Master of Science, Administrative Studies: Criminal Justice Option

The Department of Criminology and Criminal Justice participates in the Master of Science, Administrative Studies (MSAS) degree. The MSAS 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 [MSAS Program](#) for more information.

### Criminal Justice Option required courses:

Course Code	Course Title	Credit Hours
<a href="#">CRM 701</a>	Criminal Justice Policy	3 hrs
<a href="#">CRM 740</a>	Foundations of Homeland Defense and Security	3 hrs
<a href="#">CRM 750</a>	Law Enforcement and Community	3 hrs
<a href="#">CRM 770</a>	Correctional Theory and Practice	3 hrs

# Administrative Studies: Homeland Security and Defense Option

## Graduate programs

### Master of Science, Administrative Studies: Homeland Security Option

The Department of Criminology and Criminal Justice participates in the Master of Science is Administrative Studies (MSAS) degree. The MSAS 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 [MSAS Program](#) for more information.

### Required Courses (12 hrs)

Course Code	Course Title	Credit Hours
<a href="#">CRM 740</a>	Foundations of Homeland Defense and Security	3 hrs
<a href="#">CRM 745</a>	Topics in Homeland Defense and Security	3 hrs
<a href="#">PLS 717</a>	Multidisciplinary Approaches to Homeland Security	3 hrs
<a href="#">PLS 719</a>	Strategic Planning and Organizational Imperatives in Homeland Security	3 hrs
<b>Total</b>		<b>12 hours</b>



# Community Corrections

## Graduate programs

### Graduate Certificate in Community Corrections

**Brett Graland, Certificate Director**

Strong Hall, Room 228; Phone 417-836-6954

[bg1975@missouristate.edu](mailto:bg1975@missouristate.edu)

#### Program description

The Graduate Certificate in Community Corrections provides a 12 hour graduate-level experience for people working or desiring to work in the field of community corrections. The certificate provides instruction in various aspects of community corrections including an overview of correctional theory and practice, modern challenges facing correctional professionals, evidence-based techniques for improving client supervision and reducing offender recidivism, and an in-depth exploration of offender thinking patterns and behavior.

#### Admission criteria

To be considered for the program, a student must have a 3.00 grade point average as well as apply and be admitted to the Graduate College. 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 post baccalaureates 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
<a href="#">CRM 770</a>	Correctional Theory and Practice	3 hrs
<a href="#">CRM 771</a>	Contemporary Issues in Community Corrections	3 hrs
<a href="#">CRM 772</a>	Applied Evidence-Based Practices in Community Corrections	3 hrs
<a href="#">CRM 773</a>	Offender Thinking and Decision-Making	3 hrs

## **Completion Requirements**

Courses must be completed with a 3.00 GPA for successful completion of certificate.

# Homeland Security and Defense Certificate

## Graduate Certificate in Homeland Security and Defense

Contact Dr. Bernard McCarthy and [see certificate requirements in the College of Humanities and Public Affairs section.](#)

Bernard McCarthy, Certificate Advisor  
 Strong Hall, Room 467; Phone 417-836-6679  
[BernardMcCarthy@missouristate.edu](mailto:BernardMcCarthy@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 Graduate College. 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
<a href="#">CRM 740</a>	Foundations of Homeland Defense and Security	3 hrs
<a href="#">CRM 745</a>	Topics in Homeland Defense and Security	3 hrs
<a href="#">PLS 717</a>	Multidisciplinary Approaches to Homeland Security	3 hrs

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PLS 719

Strategic Planning and Organizational Imperatives in Homeland Security

3 hrs

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# Department of Defense and Strategic Studies

## Programs

✚ Includes accelerated master's option

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## Master's programs

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

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## 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

### Department head

Keith B. Payne

### Office

9302 Lee Highway, Suite  
760

### Phone

703-218-3565

### Fax

703-218-3568

**Email**

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# Defense and Strategic Studies Graduate Faculty

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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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

### **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. Supplemental course fee.

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

historical case studies, with an emphasis on the nineteenth, twentieth, and twenty-first centuries. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

China and Russia. Supplemental Course Fee.  
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**Credit hours:**

**Lecture contact hours:**

**Lab contact hours:**

**Typically offered:**

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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. Supplemental course fee.

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee. Graded Pass/Not Pass only.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **DSS 721 Missile Defense, Proliferation and**

and air power, and these concepts will be critiqued in light of recent technological changes in warfare. Supplemental Course Fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

### **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. Supplemental course fee.

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

## **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

## **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. Supplemental course fee.

**Credit hours:** 3

enterprise to promote the expansion of nuclear energy globally while reducing the risks of proliferation. Supplemental course fee.

**Typically offered:** Fall

[Projected offerings](#)

## **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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

## **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

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **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. Supplemental course fee.

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. Supplemental course fee.

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Typically offered:** Spring

[Projected offerings](#)

### **DSS 726 Chinese Military Power**

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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. Supplemental course fee.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)



players. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

### **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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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.

Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **DSS 713 Intelligence, Counterintelligence, and Covert Action**

This course examines the role of intelligence

society as well as those paradigms associated with the regulation of violence in armed conflict, in both their theoretical and practical dimensions. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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).

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **DSS 795 Seminar: CWMD Graduate Fellows Colloquium**

*Prerequisite: permission of instructor and active U.S.*

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

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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

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. Supplemental course fee.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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. Supplemental course fee.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **DSS 797 Special Topics**

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**Credit hours:** 3

**Lecture contact hours:** 3

**Lab contact hours:** 0

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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Typically offered:** Upon demand

[Projected offerings](#)

### **DSS 799 Thesis**

*Prerequisite: completion of DSS course requirements for MS degree (30 hours minimum).*

Independent research and study connected with preparation of thesis. Supplemental course

fee. Graded Pass/Not Pass only.

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

# Defense and Strategic Studies

## 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.

#### 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.

#### Option areas

The Defense and Strategic Studies program offers two options: (1) Defense and Strategic Studies/General (DSS/General); and (2) Defense and Strategic Studies/Weapons of Mass Destruction Studies (DSS/WMD).

#### 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: [DSS 601](#) (3), Seminar on Nuclear Strategy and Arms Control; and [DSS 632](#) (3), Seminar on International Security Affairs. A minimum of 30 additional seminar hours would be selected by the student from the other DSS courses offered.

**For the DSS 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.



# Certificate in Countering Weapons of Mass Destruction (CWMD)

## Graduate programs

### Graduate 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 bachelors 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)

# Certificate in Defense and Strategic Studies

## Graduate programs

### Graduate 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)

Review the following [Program Costs and Potential Occupations \(Gainful Employment Disclosure\)](#).

### 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 bachelors degree and be admitted to the Missouri State University Graduate 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.

# Department of Economics

## Programs

✚ Includes accelerated master's option

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## Master's programs

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

## 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

Ken Brown

### Office

Strong Hall, Room 355

### Phone

417-836-5516

### Fax

417-836-4236

### Email

[Economics@missouristate.edu](mailto:Economics@missouristate.edu)

### Website

[missouristate.edu/econ/](http://missouristate.edu/econ/)

# Economics Graduate Faculty

## Professors

[Terrel Gallaway](#)

[David M. Mitchell](#)

[Mahua Barari Mitra](#)

[Reed N. Olsen](#)

[Sharmistha Self](#)

## Emeritus professors

[John Hoftyzer](#)

Allan D. Stone

Elizabeth E. Topping

E. Dale Wasson

[Thomas L. Wyrick](#)



# 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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.

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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. May be taught concurrently with ECO 409. Cannot receive credit for both ECO 609 and ECO 409.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ECO 615 Public Sector Economics**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ECO 699 Directed Research in Economics**

Recommended Prerequisite: ECO 365; and ECO

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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.

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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **ECO 705 Economic Studies**

Survey course; problems of government finance, fiscal policy, and resource structures; economic pressure groups.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Department of History

## Programs

✚Includes accelerated master's option

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## Master's programs

[History \(MA\)](#) ✚

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

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

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## 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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# History Graduate Faculty

## Professors

[Jamaine Abidogun](#)

[Holly A. Baggett](#)

[Brooks Blevins](#)

[John F. Chuchiak IV](#)

[Thomas S. Dicke](#)

[David W. Gutzke](#)

[Kathleen Kennedy](#)

[Stephen L. McIntyre](#)

[F. Thornton Miller](#)

[Eric Nelson](#)

[William G. Piston](#)

## Associate professors

[Angela Hornsby-Guthing](#)

## Assistant professors

[Marlin Christopher Barber](#)

[Marcia A. Butler](#)

[Michelle Morgan](#)

## Emeritus professors

[Meredith L. Adams](#)

[David B. Adams](#)

[Wayne C. Bartee](#)

[Dominic J. Capeci, Jr.](#)

[Robert Flanders](#)

[James N. Giglio](#)

[William E. Hammond](#)

[Andrew Lewis](#)

[Duane G. Meyer](#)

[Worth R. Miller](#)

[Michael M. Sheng](#)



# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### HST 615 American Environmental History

Survey of humankind's relationship with nature

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### HST 673 History and Archaeology of the Middle East

Archaeology as a tool for historical inquiry is the

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **HST 674 Jordan Archaeology Study Away**

*Prerequisite: permission of instructor.*

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 624 Civil War and Reconstruction**

The sectional conflict, the Civil War, and Reconstruction examined from political, military, social, and economic perspectives, with emphasis

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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,

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

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: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 701 Historiography and Historical Method**

Various philosophies of history and theories concerning method, purpose and meaning of history; problems of research.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 710 Seminar in Ancient History**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 720 Proseminar in American History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 725 The Upland South**

Recommended Prerequisite: HST 701. Readings in the history of the Upland South (the Ozarks and Appalachia) for the graduate student.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 730 Seminar in American History**

*Prerequisite: HST 701.*

In-depth study of a chosen topic as well as the historiography of the topic for graduate students.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 740 Proseminar in European History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 750 Seminar in European History**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**HST 644 Women in Islam**

This course examines the complexities of Middle Eastern culture through the lens of gender,

**Typically offered:** Upon demand

[Projected offerings](#)

**HST 760 Proseminar in Latin American History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**HST 770 Proseminar in Ancient Near East History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**HST 775 Proseminar in the Middle East**

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



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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

### **HST 648 The Renaissance**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **HST 780 Seminar in World History**

*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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **HST 783 Women's History: The Use and**

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **Understanding of Sources**

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 784 The American Revolution: The Use and Understanding of Sources**

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 785 The Civil War in Missouri: The Use and Understanding of Sources**

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.

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **HST 786 American Social History: The Use and Understanding of Sources**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **HST 787 American Education: The Use and Understanding of Sources**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **HST 790 Proseminar in World History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HST 792 Primary Source Proseminar in World History**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**HST 799 Thesis**

*Prerequisite: permission of Director of History Graduate Program.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# History

## Graduate programs

### Master of Arts, History

#### Eric Nelson, Graduate Director

Strong Hall, Room 416; Phone 417-836-6437

[HistoryGraduateAdvisor@missouristate.edu](mailto:HistoryGraduateAdvisor@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

Applicants must have three letters of recommendation sent by the writer to the History Department Graduate Director.

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 Missouri 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.

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.

#### 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 degree - 30

#### Core requirements - 9 hrs

1. [HST 701](#) Historiography and Historical Method - 3 hrs
2. Seminar: Completion of at least one seminar. (Required even if the student chooses to complete the research requirement through the thesis option.) - 3 hrs
3. Primary Source Proseminar: Completion of at least one 700-level primary source proseminar or course in Use & Understanding of Sources (such as [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#) or [HST 787](#)) that studies primary sources in a historical field. - 3 hrs

#### American Studies track

1. Online Courses. This track has been designed around a series of online courses. [HST 701](#) and the [HST 720](#) Proseminar have been offered online along with U.S. History Primary Source Proseminars (currently [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#) or [HST 787](#)).
2. Interdisciplinary. In conjunction with the core and online courses in U.S. history, this track draws upon an interdisciplinary approach to American society and culture. With the consent of the candidate's advisory committee, nine hours of graduate credit must be taken in American Studies related disciplines such as American art, culture, film, folklore, government, literature, or music.
3. Research. This requirement will be met in one of the following ways:
  - a. Thesis Option. Completion of a satisfactory thesis in U.S. history or American Studies. Thesis credit shall be 6 hours of the total offered to satisfy degree requirements.
  - b. Seminar Option. Completion of one satisfactory seminar paper in U.S. history or American

## Studies.

4. Seminar. Completion of at least 1 seminar in U.S. history or American Studies.
5. Proseminars. Completion of at least 2 proseminars in U.S. history or American Studies for students in the seminar option; 1 proseminar in U.S. history or American Studies for students in the thesis option.
6. Primary Source Proseminars. Minimum of 2 primary source proseminars in U.S. history or American Studies (currently [HST 783](#), [HST 784](#), [HST 785](#), [HST 786](#) or [HST 787](#)).

Hours of graduate credit in history must include a minimum of 18 hours at the 700-level and consist in total of a minimum of 30; and, with the consent of the candidate's advisory committee, 9 hours of graduate credit must be taken in American Studies related disciplines such as American art, culture, film, folklore, government, literature, or music which can be at Missouri State or transfer credit.

### **Global Area Studies track**

1. World History Proseminar. At least one proseminar in World History.
2. Emphasis Area. An emphasis with a minimum of 9 hours including a proseminar in an area of study such as Africa, Asia, Europe, Latin America, or the Middle East.
3. At least one course in U.S. in the world or U.S foreign relations or recent history of the U.S.
4. Research. This requirement will be met in one of the following ways:
  - a. Thesis Option. Completion of a satisfactory thesis in non-U.S. history in the emphasis area of study such as Africa, Asia, Europe, Latin America, or the Middle East. Thesis credit shall be 6 hours of the total offered to satisfy degree requirements.
  - b. Seminar Option. Completion of one satisfactory seminar paper in non-U.S. history.
5. Seminar. Completion of at least 1 seminar in non-U.S. history.
6. Proseminars. Completion of at least 3 non-U.S. history proseminars for students in the seminar option; 2 non-U.S. history proseminars for students in the thesis option. At least one proseminar in World History. At least one proseminar in the emphasis area of study such as Africa, Asia, Europe, Latin America, or the Middle East.

Hours of graduate credit in history must include a minimum of 18 hours at the 700-level and consist in total of a minimum of 30; and, with the consent of the candidate's advisory committee, a maximum of 9 hours of graduate credit may be taken in related disciplines which can be at Missouri State or transfer.



## U.S. and World Track

1. In addition to the core requirements, one of the following distributions of courses:
  - a. A minimum of 12 hours in U.S. history, including a seminar and two proseminars (a thesis, seminar, and one proseminar if a student completes the thesis option), and at least 6 hours in non-U.S. history, including a proseminar
  - b. A minimum of 12 hours in non-U.S. history, including a seminar and two proseminars (a thesis, seminar and one proseminar if a student completes the thesis option), and at least 6 hours in U.S. history, including a proseminar.
2. Research. This requirement will be met in one of the following ways:
  - a. Thesis Option. Completion of a satisfactory thesis. Thesis credit shall be 6 hours of the total offered to satisfy degree requirements.
  - b. Seminar Option. Completion of one satisfactory seminar paper.

Additional hours of graduate credit in history to include a minimum of 18 hours at the 700-level and consist in total of a minimum of 30; and, with the consent of the candidate's advisory committee, a maximum of 9 hours of the elective hours of graduate credit may be taken in related disciplines which can be at Missouri State or transfer.

## 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. Written exams will be taken after course work is completed. An oral exam will be taken after the approval of the research requirement.

# Secondary Education: History Area of Emphasis

## Master of Science in Education, Secondary Education: History Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### Prerequisite History requirements

A minimum of 24 undergraduate hours in history.

### History requirements

Elect one course from [HST 720](#), [740](#), [760](#), and [770](#) 3 hrs

Additional course work in history 12 hrs

**Total 15 hrs**

### Accelerated Master's Degree Option

Eligible undergraduate BSEd 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 MSED Program Coordinator and the Graduate College (on a Mixed Credit form). The student must complete their BSEd History program and receive Missouri certification in Social Studies (9-12) to continue in the MSED 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 BSEd 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.

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
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Courses from a second of the above disciplines	6 hrs
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<b>Total</b>	<b>15 hrs</b>
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# History for Teachers

## Graduate programs

### History For Teachers Graduate Certificate

#### 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

A student must have a Missouri teaching certificate in history or social studies and a minimum GPA of 3.00.

#### 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](#) Proseminar in American History;
2. Primary Source Proseminar 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 Proseminar in World History;

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.

# Department of Philosophy

## Programs

✚ Includes accelerated master's option

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**

Dan Kaufman

**Office**

Strong Hall, Room 307

**Phone**

417-836-5650

**Fax**

417-836-4775

**Email**

[Philosophy@missouristate.edu](mailto:Philosophy@missouristate.edu)

**Website**

[missouristate.edu/phi](http://missouristate.edu/phi)



# Philosophy Graduate Faculty

**Professor**

[Ralph Shain](#)

[Pamela R. Sailors](#)

**Assistant professor**

**Associate professor**

[Elizabeth Foreman](#)

# 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 513. Cannot receive credit for both PHI 513 and PHI 613.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand  
[Projected offerings](#)

### 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:** 2-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

# Department of Political Science

## Programs

✚Includes accelerated master's option

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### 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 [Administrative Studies](#) program

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### Certificates

[Public Management \(Certificate\)](#)

Courses are offered toward the certificate in [Homeland Security and Defense](#)

## Accreditation

- Network of Schools of Public Policy, Affairs, and Administration  
– Public Administration (MPA)

## Contact

### Department head

George E. Connor

### Office

Strong Hall, Room 307

**Fax**

417-836-5630

**Email**

[PoliticalScience@missouristate.edu](mailto:PoliticalScience@missouristate.edu)

**Website**

[politicalscience.missouristate.edu](http://politicalscience.missouristate.edu)

# Political Science Graduate Faculty

## Distinguished professor

[Dennis V. Hickey](#)

## Professors

[George E. Connor](#)

[Mark C. Ellickson](#)

[Joel W. Paddock](#)

[Yuhua Qiao](#)

[David Romano](#)

[Patrick Scott](#)

## Associate professors

[James B. Kaatz](#)

[David E. Johnson](#)

[Kevin Pybas](#)

[Gabriel Ondetti](#)

## Assistant professor

[Samantha Mosier](#)

[Indira Palacios-Valladares](#)

## Emeritus professors

[Beat R. Kernen](#)

[Kant Patel](#)

Robert M. Peace

[Denny E. Pilant](#)

[Mark E. Rushefsky](#)

# 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Projected offerings**

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PLS 756 Financial Management for State and Local Government**

A course dealing with intergovernmental financial

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

relations, revenue sources, tax strategies, bond requirements, and issuance procedures, sinking funds, budget techniques and basic categories of state and local expenditures.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**PLS 759 Seminar in Administrative Management and Organizational Theory**

A topics seminar in which each student will be responsible for an individual research project. Research will include both a review of applicable literature and a case study of an actual management or organizational problem-situation within a government office. This project will be preceded by a concise review of basic management principles and organizational theory.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**



**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**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. The theoretical aspects will be achieved through readings and literature reviews. The practical side will come from guest speakers, field interviews, and hands-on assignments.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 pedagogical concern revolves around

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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 but not be limited to: 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **PLS 771 Seminar in Public Administration**

This course is designed as the foundation course for the Master of Public Administration program.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

Topics covered include the development of public administration, political, social, economic, and legal processes and institutions, the policy process, and values and ethics. All students will complete a major research paper related to one of these topics.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

issues associated with quantitative research. May be taught concurrently with PLS 576. Cannot receive credit for both PLS 576 and PLS 676.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PLS 705 Seminar in Comparative Politics**

An examination of the principal approaches to comparative politics including the comparative study of political systems, types of government, elites, legislatures, political cultures and political parties. Students in the MGS program will be

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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

required to write an extensive bibliographic or substantive research paper on one of these principal elements in the study of comparative politics.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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, power and politics, 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **PLS 780 Independent Study in Political Science**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **PLS 721 International Political Economy**

*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: 1-4 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **PLS 782 Internship/Practicum in International Field**

*Prerequisite: permission of program director.*

Supervised field work in a federal government

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)



# Global Studies

## Graduate programs

### Master of Global Studies

(formerly Master of International Affairs and Administration)

#### Dennis V. Hickey, Program Director

Strong Hall, Room 325; Phone 417-836-5850

[DennisHickey@missouristate.edu](mailto:DennisHickey@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. These letters are to be submitted to the Director of the MGS program.
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.

- 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 39 hours)

### 1. Required Core:

Course Code	Course Title	Credit Hours
<a href="#"><u>PLS 676</u></a>	Quantitative Methods of Political Science & Public Policy	3 hrs
<a href="#"><u>PLS 705</u></a>	Seminar in Comparative Politics	3 hrs
<a href="#"><u>PLS 713</u></a>	Seminar in Foreign Policy Decisionmaking	3 hrs
<a href="#"><u>PLS 721</u></a>	International Political Economy	3 hrs
<a href="#"><u>PLS 732</u></a>	International Relations in Theory and Practice	3 hrs
<a href="#"><u>PLS 737</u></a>	Seminar in International Organizations	3 hrs
* <a href="#"><u>PLS 780</u></a>	Independent Study in Political Science	3 hrs
OR	OR	OR

\*\* [PLS 799](#)

Thesis

6 hrs

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**Total****21-24 hrs**

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\* Non-Thesis Option: Complete first six required courses (18 hrs), 18 hrs in chosen cognate field and [PLS 780](#) (3 hrs). Take a comprehensive exam covering the required courses above. This option is open to all students who have maintained the minimum GPA of 3.00.

\*\* Thesis Option: Complete the first six required courses (18 hrs), 15 hrs in chosen cognate field and [PLS 799](#) (6 hrs). The thesis option is only open to students who maintain a minimum GPA of 3.70.

**2. Cognate Fields.** The MGS candidate, in consultation with the Program Director and with approval of the department head, may choose one of the following four cognate fields: **15-18 hrs**

- a. International Relations/Comparative Politics. [PLS 635](#), [PLS 642](#), [PLS 644](#), [PLS 645](#), [PLS 646](#), [PLS 648](#), [PLS 650](#), [PLS 699](#), [PLS 757](#), [PLS 771](#), [PLS 780](#), [PLS 782](#), [PLS 797](#); [HST 643](#), [HST 656](#), [HST 659](#), [HST 661](#), [HST 671](#), [HST 688](#), [HST 740](#), [HST 760](#); [ECO 620](#); [GRY 607](#), [GRY 697](#)
- b. Public Administration: [PLS 673](#), [PLS 715](#), [PLS 753](#), [PLS 761](#), [PLS 762](#), [PLS 763](#), [PLS 771](#), [PLS 772](#), [PLS 780](#), [PLS 782](#), [PLS 797](#); [MGT 747](#), [MGT 764](#), [MGT 765](#); [LAW 682](#); [PLN 605](#), [PLN 670](#), [PLN 671](#), [PLN 672](#)
- c. International Economics and Business: [PLS 780](#), [PLS 782](#), [PLS 797](#); [ECO 665](#), [ECO 705](#), [ECO 710](#); [ACC 606](#); [LAW 600](#); [MGT 747](#), [MGT 761](#); [MKT 774](#)
- d. National Security: [PLS 717](#), [PLS 719](#), [PLS 772](#), [PLS 773](#), [PLS 782](#); [CRM 740](#); [CRM 745](#) (students who have completed [PLS 717](#), [PLS 719](#), [CRM 740](#) and [CRM 745](#) are eligible to be awarded the Graduate Certificate in Homeland Security and Defense from the College of Humanities and Public Affairs if the student has completed all the admission and completion requirements for the certificate through the Graduate College)  
Within each cognate field, a student is required to take courses that are related to each other and reflect the student's strength and interest. Depending on the research option selected, students will take five or six courses in their chosen cognate field.

**3. Foreign Language Requirement.** Students who have not already completed four semesters of a foreign language as an undergraduate or do not already speak a second language must complete four semester of language training. These courses do not count toward the 39 hours required for the degree.

**4. Exit Interview.** Upon completion of course work, all students will be required to undergo an exit

interview with the Program Director.

## **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
<a href="#"><u>ECO 665</u></a>	International Economics	3 hrs
<a href="#"><u>FIN 682</u></a>	International Financial Management	3 hrs
<a href="#"><u>GRY 607</u></a>	Geography of Subsaharan Africa	3 hrs
<a href="#"><u>GRY 635</u></a>	Global Climate and Weather Cycles	3 hrs
<a href="#"><u>HST 665</u></a>	English Constitution, Courts and Common Law	3 hrs
<a href="#"><u>PLS 635</u></a>	American Foreign Policy	3 hrs
<a href="#"><u>PLS 642</u></a>	Contemporary Political Ideologies	3 hrs
<a href="#"><u>PLS 644</u></a>	Governments and Politics of the Middle East	3 hrs
<a href="#"><u>PLS 645</u></a>	Asian Politics	3 hrs
<a href="#"><u>PLS 647</u></a>	Politics of The European Union and Its Members	3 hrs
<a href="#"><u>PLS 648</u></a>	Latin America Politics	3 hrs
<a href="#"><u>PLS 650</u></a>	Modern African Politics	3 hrs
<a href="#"><u>PLS 676</u></a>	Quantitative Methods of Political Science and Public Policy	3 hrs
<a href="#"><u>PLS 705</u></a>	Seminar in Comparative Politics	3 hrs

<u>PLS 713</u>	Foreign Policy Decisionmaking	3 hrs
<u>PLS 721</u>	International Political Economy	3 hrs
<u>PLS 732</u>	International Relations in Theory and Practice	3 hrs
<u>PLS 737</u>	Seminar in International Organizations	3 hrs
<u>PLS 782</u>	Internship/Practicum in International Field	3 hrs

# Public Administration

## Graduate programs

### Master of Public Administration

**Patrick Scott, MPA Program Director**

Strong Hall, Room 330; Phone 417-836-5028

[PScott@missouristate.edu](mailto:PScott@missouristate.edu)

<http://politicalscience.missouristate.edu/mpa>

### Program description

The Master of Public Administration (MPA) program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA) which serves as a national and international resource for the promotion of excellence in education and training for public service.

The MPA program is 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 Graduate College and the MPA program will be welcomed into the program. The program is designed to give students the opportunity to pursue specializations in one of the following areas: 1) public safety, 2) local government management, and 3)

public policy.

## 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. Letters should be submitted directly to Dr. [Patrick Scott](#), Director of the MPA program.
3. A minimum score of 290 on the Graduate Record Examination (GRE) general examination.
4. Applicants with a GPA between 2.75 and 2.99 **and/or** score of less than 290 on the GRE test may be admitted to the program on a provisional status at the discretion of the MPA director. A personal interview may be required.
5. 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 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.

## 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 39 hrs)

### 1. Required Core:

Course Code	Course Title	Credit Hours
<a href="#">PLS 673</a>	Policy Analysis	3 hrs
<a href="#">PLS 676</a>	Quantitative Methods of Political Science and Public Policy	3 hrs
<a href="#">PLS 752</a>	Public Personnel Management	3 hrs
<a href="#">PLS 753</a>	Management Techniques and Organizational Behavior	3 hrs
<a href="#">PLS 756</a>	Financial Management for State and Local Government	3 hrs
<a href="#">PLS 771</a>	Seminar in Public Administration	3 hrs
<a href="#">PLS 778</a>	Ethics and Leadership in the Public Sector	3 hrs
<b>Total Core</b>		<b>21 hrs</b>

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:**
- Non-thesis option.* Complete required core courses and up to 18 hours of courses in student's chosen area of concentration (see #4 below).
  - 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. **Areas of Concentration:** The MPA student will take the required courses in his/her area of

concentration and will select other courses to fill out the elective requirements depending on whether the internship is waived and which research option is selected. Required area of concentration courses: **9-18 hrs**

a. **Local Government Management:**

Course Code	Course Title	Credit Hours
<a href="#"><u>PLS 776</u></a>	Local Public Service Delivery	3 hrs
<a href="#"><u>PLS 777</u></a>	Local Government and Politics and Administration	3 hrs

b. **Public Policy:**

Course Code	Course Title	Credit Hours
<a href="#"><u>PLS 762</u></a>	Public Policy and Program Evaluation	3 hrs
<a href="#"><u>PLS 763</u></a>	The Policy Process	3 hrs

c. **Public Safety:**

Course Code	Course Title	Credit Hours
<a href="#"><u>PLS 772</u></a>	Introduction to Public Safety Services	3 hrs
<a href="#"><u>PLS 773</u></a>	Hazard Analysis, Mitigation, and Preparedness	3 hrs
<b>Total</b>		<b>39 hrs</b>

Within each area of concentration, students may use the additional course(s) to pursue more specialized interests.

5. **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.

## 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
<a href="#"><u>PLS 673</u></a>	Policy Analysis	3 hrs
<a href="#"><u>PLS 676</u></a>	Quantitative Methods of Political Science and Public Policy	3 hrs
<a href="#"><u>PLS 771</u></a>	Seminar in Public Administration	3 hrs
<a href="#"><u>PLS 781</u></a>	In-Service Training in Public Administration	3 hrs

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
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Courses from a second of the above disciplines	6 hrs
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<b>Total</b>	<b>15 hrs</b>
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# Public Management

## Graduate programs

### Certificate In Public Management

**Patrick Scott, MPA Program Director**

Strong Hall, Room 330;

Phone 417-836-5028

[PScott@missouristate.edu](mailto:PScott@missouristate.edu)

### Program description

The Certificate in Public Management (CPM) is a post-baccalaureate 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

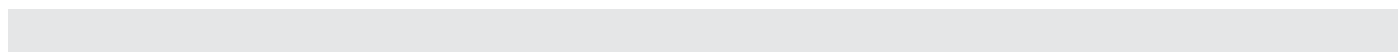
### *Required Core - 12 hrs*

Course Code	Course Title	Credit Hours
<a href="#">PLS 752</a>	Public Personnel Management	3 hrs
<a href="#">PLS 753</a>	Management Techniques and Organizational Behavior	3 hrs
<a href="#">PLS 756</a>	Financial Management for State and Local Government	3 hrs
<a href="#">PLS 771</a>	Seminar in Public Administration	3 hrs

### *Elective Methodology Courses: (Choose 1) - 3 hrs*

Course Code	Course Title	Credit Hours
<a href="#">PLS 673</a>	Policy Analysis	3 hrs
<a href="#">PLS 676</a>	Quantitative Methods of Political Science and Public Policy	3 hrs
<a href="#">PLS 762</a>	Public Policy and Program Evaluation	3 hrs

### *Concentration Subfields (Choose 1) - 3 hrs*



<b>Course Code</b>	<b>Course Title</b>	<b>Credit Hours</b>
<a href="#"><u>PLS 754</u></a>	Seminar in Health Policy	3 hrs
<a href="#"><u>PLS 685</u></a>	Public Policy for a Global Environment	3 hrs
<a href="#"><u>PLS 759</u></a>	Seminar in Administrative Management and Organizational Theory	3 hrs
<a href="#"><u>PLS 760</u></a>	Management of Intergovernmental Relations	3 hrs
<a href="#"><u>PLN 671</u></a>	Land Use Planning	3 hrs
<a href="#"><u>PLN 704</u></a>	Community Resource Planning	3 hrs



# Department of Religious Studies

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Religious Studies \(MA\)](#) ✚

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## Certificates

[Religious Studies for the Professions](#) (Certificate)

## 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

### Department head

Stephen C. Berkwitz

### Office

Strong Hall, Room 251

### Phone

417-836-5514

### Fax

417-836-4757

**Email**

[ReligiousStudies@missouristate](mailto:ReligiousStudies@missouristate)

**Website**

[missouristate.edu/relst](http://missouristate.edu/relst)

# Religious Studies Graduate Faculty

## Professors

[Stephen C. Berkwitz](#)

[John E. Llewellyn](#)

[Victor H. Matthews](#)

[Kathy J. Pulley](#)

[Austra Reinis](#)

[John T. Strong](#)

## Associate professors

[Leslie Baynes](#)

[Mark D. Given](#)

[John A. Schmalzbauer](#)

## Assistant professors

[Vadim Putzu](#)

## Emeritus professors

[Stanley M. Burgess](#)

[LaMoine DeVries](#)

[Martha L. Finch](#)

[Charles Hedrick](#)

[Karl W. Luckert](#)

J. Ramsey Michaels

James Moyer

# 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### 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

### REL 676 Archaeology and the New Testament

Recommended Prerequisite: REL 102. Archaeological discoveries in their relation to the literary, cultural, and religious background of the New Testament. Includes methods and objectives of archaeological research. May be taught concurrently with REL 571. Cannot receive credit for both REL 571 and REL 676.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### 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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall  
[Projected offerings](#)

635 for the same topic.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **REL 636 Ozarks Religion**

Recommended Prerequisite: REL 131 or REL 390 or SOC 390 or HST 375 or ENG 385. Explores the rich and varied terrain of Ozarks religious life, focusing on the impact of social change. This theme is explored through readings on rural and urban communities, Protestant revivalism, folklore and traditional practices, Ozarks Jewish life, Bible Belt Catholicism, Branson tourism, and the new immigrants. Students will use the methods of oral history interviewing and field observation to make sense of Ozarks religion. May be taught concurrently with REL 531. Cannot receive credit for both REL 636 and REL 531.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **REL 751 Seminar in Religions of Europe and the Middle East**

Detailed study of selected persons, authors,

hours. May be taught concurrently with REL 540. Cannot receive credit for both REL 540 and REL 645 for the same topic.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **REL 675 Archaeology and the Old Testament/Hebrew Bible**

Recommended Prerequisite: REL 101. Archaeological discoveries in their relation to the literary, cultural, and religious background of the Old Testament/Hebrew Bible. Methods and objectives of archaeological research, including a

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

# Religious Studies

## Graduate programs

### Master of Arts, Religious Studies

**Jack Llewellyn, Graduate Program Director**

Strong Hall, Room 269; Phone 417-836-6681

[JLlewellyn@missouristate.edu](mailto:JLlewellyn@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. 12 hours of foreign language or its equivalent (e.g., passing a proficiency examination administered by the Modern and Classical Languages Department). Applicants not meeting this requirement may be admitted, but must fulfill it before completion of the program.
4. 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.



- 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

- Junior standing, with an overall GPA of 3.4.
- 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.
- Recommendation by a faculty member in Religious Studies or an equivalent department at another institution.
- Admission by the Graduate Committee of the Department of Religious Studies.

### Degree requirements (minimum of 30 hours)

#### Core Requirements - 15 hours

Course Code	Course Title	Credit Hours
<a href="#"><u>REL 685*</u></a>	Theories of Religion	3 hrs
<a href="#"><u>REL 711</u></a>	Seminar in Religions of Asia	3 hrs
<a href="#"><u>REL 731</u></a>	Seminar: Biblical Studies	3 hrs
<a href="#"><u>REL 751</u></a>	Seminar in Religions of Europe and the Middle East	3 hrs
<a href="#"><u>REL 771</u></a>	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.

**2. 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.

**3. Foreign Language Requirement.** The foreign language requirement may be met before entering the M.A. program or while completing the program through one of the following options:

- a. completion of 12 hours of undergraduate course work in a foreign language with a grade of "C" or higher;
- b. completion of 6 hours of undergraduate course work in one foreign language with a grade of "C" or higher and completion of 6 hours of undergraduate course work in a second foreign language with a grade of "C" or higher;
- c. completion of the second intermediate foreign language college course with a grade of "C" or higher;
- 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
- e. the approval of the Graduate Program Director.

Any student whose native language is not English will be considered to have met the foreign language requirement.

**4. 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.

**5. Program of study.** The candidate's program will be structured by the Advisory Committee in

consultation with the student.

**6. 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.

**7. 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.

# Religious Studies For The Professions

## Graduate programs

### Religious Studies For The Professions Certificate

**NOT ACCEPTING APPLICATIONS AT THIS TIME**

#### Program description

In order to serve effectively in various human professions one must understand the religious and cultural beliefs and values of those with whom one works. This certificate is designed to meet the needs of individuals who wish to increase both their knowledge and appreciation of the religious diversity they encounter. Prerequisites will be waived for the certificate.

#### Admission criteria

A student must be admitted to the Graduate College and have all course work approved by the director. A student must also have a bachelor's degree from an accredited institution in the U.S., or equivalent training in a foreign university, and have a minimum GPA of 3.00.

#### Completion requirements

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

#### Exit criteria

Students must participate in an exit interview.

#### Required courses (12 hours total)

Students must complete four three-hour courses at the 600-level in the department of Religious Studies\*. The four courses must represent three different areas of specialization within the department. The areas of specialization are:

1. Topics in Religions of Asia ([REL 645](#))
2. Topics in Religions of Europe and the Middle East ([REL 655](#))
3. Biblical Studies ([REL 615](#), [REL 675](#), [REL 676](#))

4. Religion and Culture ([REL 635](#), [REL 636](#))

\*[REL 685](#) counts toward the certificate, but it does not count toward meeting an area of specialization requirement.

# Department of Sociology and Anthropology

## Programs

✚ Includes accelerated master's option

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## Master's programs

[Applied Anthropology](#) (MS) ✚

[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

### Office

Strong Hall, Room 451

### Phone

417-836-5640

### Fax

417-846-4198

### Email

[SociologyAnthropology@missouristate.edu](mailto:SociologyAnthropology@missouristate.edu)

**Website**

[soc-ant.missouristate.edu](http://soc-ant.missouristate.edu)

# Sociology and Anthropology Graduate Faculty

## Professors

[Margaret L. Buckner](#)

[John B. Harms](#)

[Timothy D. Knapp](#)

[William C. Meadows](#)

[Suzanne E. Walker-Pacheco](#)

## Associate professors

[Elizabeth A. Sobel](#)

## Assistant professors

[Catherine Hoegeman](#)

[Frederick Scott Worman](#)

## Research professors

[Neal H. Lopinot](#)

[Jack H. Ray](#)

Marcie L. Venter

## Adjunct Faculty

Erin Kenny

## Emeritus professors

[Gary L. Brock](#)

[Shahin Gerami](#)

Donald D. Landon

[Marvin Prosono](#)

[William A. Wedenoja](#)

[Martha F. Wilkerson](#)

[Juris Zarins](#)



# Sociology and Anthropology Courses

## Anthropology (ANT) courses

### ANT 600 Applied Anthropology

An introduction to the practice of applied anthropology, which is the application of anthropological methods, theories, and knowledge to the problems of society. Applied anthropology is the fastest growing field of anthropology today and provides a basis for many careers. We will examine the role of anthropologists in areas such as foreign aid and development projects, migrant and refugee services, disasters and humanitarian assistance, human rights issues, business and industry, health and medicine, tourism, environmental protection, fisheries management, the military, and cultural preservation. May be taught concurrently with ANT 500. Cannot receive credit for both ANT 500 and ANGT 600.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### ANT 605 Ethnohistory

*Prerequisite: permission of instructor.*

The use of documents, maps, photos, recordings, oral histories, artifacts, folklore, linguistics, and ethnography to reconstruct the culture history of a social or ethnic group, particularly historically marginalized peoples such as Native Americans. May be taught concurrently with ANT 505. Cannot

### ANT 651 Lithics

*Prerequisite: permission of instructor.*

An introduction to the study of prehistoric stone tools. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students on the manufacture, identification and analysis of flaked stone artifacts. Students will become familiar with the major issues in lithic analysis, gain a basic understanding of flint knapping and, by the end of the course, will be prepared to conduct basic lithic research on their own. May be taught concurrently with ANT 551. Cannot receive credit for both ANT 651 and ANT 551.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### ANT 652 Zooarchaeology

*Prerequisite: permission of instructor.*

An introduction to the study of animal remains from archaeological sites. Classes will include both a seminar component devoted to fundamental theoretical and methodological issues and a hands-on component designed to instruct students in vertebrate osteology and the identification and

receive credit for both ANT 605 and ANT 505.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 611 Ethnographic Field Methods**

Ethnographic methods and techniques in the study of culture, with emphasis on participant-observation, interviewing, note-taking and management, data analysis, and ethics. May be taught concurrently with ANT 510. Cannot receive credit for both ANT 510 and ANT 611.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ANT 614 Anthropology of Development**

This course examines theories, concepts, underlying assumptions, and case studies about aid and other assistance to developing nations. It will consider the various meanings given to development by residents of particular regions, as well as those of aid workers, policy makers, private industries, non-governmental and non-profit organizations, and government officials. The course will examine how development projects and policies in areas such as public health and food systems are experienced in daily life in urban and rural areas in Africa, Latin American, and Asia. Students will develop critical thinking skills about the role of culture in the complex and diverse world of international aid. May be taught

analysis of animal remains. Students will become familiar with the major issues in zooarchaeology, will gain a basic understanding of the vertebrate skeleton, and by the end of the course, will be prepared to conduct basic faunal research on their own. May be taught concurrently with ANT 552. Cannot receive credit for both ANT 652 and ANT 552.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 655 Archaeological Theory**

*Prerequisite: permission of instructor.*

A comprehensive and in-depth examination of theoretical issues and perspectives concerning the practice of archaeology and the interpretation of archaeological remains. May be taught concurrently with ANT 555. Cannot receive credit for both ANT 655 and ANT 555.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 695 History of Anthropological Theory**

This course traces the development of anthropology and anthropological theory, with emphasis on the major theorists and schools of thought in the twentieth century. May be taught concurrently with ANT 595. Cannot receive credit for both ANT 595 and ANT 695.

concurrently with ANT 514. Cannot receive credit for both ANT 514 and ANT 614.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 615 Medical Anthropology**

An examination of health, illness and healing from an applied anthropological perspective, Medical anthropology is one of the largest fields in the discipline of anthropology today, and one that has obvious applications. Topics may include: evolutionary perspectives on illness, the cultural construction of illness, cross-cultural variations in illness and healing, ethnomedical beliefs and practices, shamanism and other forms of symbolic healing, ethnobotany, and relations between biomedicine and ethnomedicine. May be taught concurrently with ANT 515. Cannot receive credit for both ANT 615 and ANT 515.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 616 Anthropology of Tourism**

Tourism is a huge, powerful, and problematic industry that is having profound effects on peoples and cultures around the globe today, particularly in societies traditionally studied by anthropologists. The anthropological study of tourism seeks to understand the motives and experiences of the tourist, the relationships between "hosts" and

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ANT 698 Seminar in Anthropology**

A detailed investigation and analysis of a specialized or advanced topic of interest to anthropology (e.g., Upper Paleolithic art, the evolution of human behavior, ethnographies of religion). May be repeated when topic changes. Variable content course. May be taught concurrently with ANT 598. Cannot receive credit for both ANT 598 and ANT 698.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 720 Quantitative Methods in Anthropology**

Recommended Prerequisite: introductory course in statistics. Uses of quantitative methods and databases in the field of anthropology, with particular emphasis on applied research.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **ANT 751 Graduate Field Archaeology**

*Prerequisite: ANT 351 or equivalent.*

"guests", and the impacts of the industry on communities, cultures, and identities. This course pays particular attention to ethnic, cultural, and heritage tourism and to "best practices" that promote sustainable community development as well as social justice and cultural preservation. May be taught concurrently with ANT 516. Cannot receive credit for both ANT 516 and ANT 616.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 626 North American Indians Today**

Focuses on major developments in North American Indian life in the 20th and 21st centuries, including cultural, social, economic, political, environmental, and legal issues that affect Native Americans today. May be taught concurrently with ANT 525. Cannot receive credit for both ANT 525 and ANT 626.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 645 Cultural Resource Management**

*Prerequisite: permission of instructor.*

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

This course offers field experience in the techniques and methods used in archaeological survey and excavations. Graduate students will gain experience planning investigations and supervising crews of undergraduate students and will contribute to reporting the results of research. Variable credit course. May be repeated to a total of 6 hours. Supplemental course fee.

**Credit hours: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 770 Research Design and Writing in Anthropology**

*Prerequisite: ANT 700.*

How to plan and conduct a research project in applied anthropology and prepare grant proposals, contract reports, journal publications, and other professional documents in anthropology.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **ANT 790 Internship in Applied Anthropology**

*Prerequisite: ANT 700 and permission of instructor.*

A minimum of 200 hours of work experience as an applied anthropologist with an approved business,

with ANT 545. Cannot receive credit for both ANT 645 and ANT 545.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **ANT 650 Advanced Methods in Archaeology**

*Prerequisite: permission of instructor.*

Advanced study and practice in methods and techniques employed in archaeology such as lithic, ceramic, and faunal analysis. Variable content course. May be repeated when topic changes. May be taught concurrently with ANT 550. Cannot receive credit for both ANT 650 and ANT 550 for the same topic.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

organization, program, or agency. Requires a written report and a public presentation. Graded Pass/Not Pass only.

**Credit hours: 3 Lecture contact hours: 0**

**Lab contact hours: 6**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 795 Directed Readings in Anthropology**

*Prerequisite: permission of instructor.*

Supervised readings in preparation for a practicum or thesis project.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 796 Directed Research in Anthropology**

*Prerequisite: permission of instructor.*

Supervised research necessary for completion of a master's degree.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 797 Practicum in Applied Anthropology**

*Prerequisite: ANT 770 and permission of*

*instructor.*

The student will conduct an applied research project from start to finish, culminating in a professional report. Graded Pass/Not Pass only.

**Credit hours:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **ANT 799 Thesis**

*Prerequisite: ANT 770 and permission of instructor.*

Research and writing of a masters thesis under the direction of a faculty advisor. Graded Pass/Not Pass only.

**Credit hours:** 3-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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

receive credit for both SOC 596 and SOC 697.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

be taught concurrently with SOC 596. Cannot

# Applied Anthropology

## Graduate programs

### Master of Science, Applied Anthropology

**APPLICATIONS WILL BE ACCEPTING FOR THE FALL, 2017 SEMESTER**

#### **F. Scott Worman, Graduate Director**

Strong Hall, Room 480; Phone 417-836-5985

[FScottWorman@MissouriState.edu](mailto:FScottWorman@MissouriState.edu)

#### **Program description**

The master's program in anthropology provides advanced training in the field of applied anthropology, the application of anthropological knowledge and skills to the needs and problems of society today. This program embodies the public affairs mission of the university to the fullest extent, preparing ethically-informed, culturally competent professionals to engage with community issues, both locally and globally. It is intended to be a terminal, practice degree, although it will also be helpful preparation for a Ph.D. program. Applicants should generally have a strong background in anthropology. The program emphasizes the cultivation of transferable professional skills such as research design, qualitative and quantitative analysis, computer applications, proposal and report writing, and public speaking, which are useful in many lines of work, as well as the methodology to conduct ethnographic or archaeological research projects. Applied anthropologists typically work as archaeologists or social scientists for government agencies, nongovernmental organizations, corporations, and private consulting firms, and may be involved in practical research or planning and management.

#### **Accelerated Master's option**

Outstanding undergraduate majors in anthropology at Missouri State may gain early acceptance to the Master of Science program in Applied Anthropology. Admitted students will be permitted to take up to 6 hours of graduate credit in ANT at the 600-700 level that can be applied to the requirements for both the undergraduate and the 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 graduate program director, department head, and 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.

Eligible students may initiate the process for admission to the accelerated option by submitting an application to the Graduate College. This should be completed as early as possible to allow sufficient time for consideration of all application materials. Students are encouraged to consult with the graduate program director prior to applying.

### **Admission Requirements for the Accelerated Master's Option**

1. A declared major in Anthropology at Missouri State University.
2. Senior standing and an overall GPA of 3.25 or better.
3. Completion of at least 21 hours in ANT, including ANT 226 and ANT 240, with a 3.5 GPA or better in the major.
4. Three letters of recommendation concerning academic and professional promise from faculty familiar with your performance.
5. A resume of not more than two pages, highlighting any experience relevant to this master's program.
6. A statement of purpose of 300-500 words on your qualifications and reasons for pursuing this degree.
7. At least one sample of writing (e.g., a term paper).
8. Formal acceptance to the accelerated option by the graduate faculty in anthropology.

### **Admission requirements**

Admission to the program is selective. The minimum standards for admission are:

1. A bachelor's degree from a college or university accredited by agencies recognized by Missouri State University.
2. A minimum overall GPA of 3.00 on a 4.00 scale; OR at least a 3.25 GPA on a 4.00 scale for the last 60 hours of academic course work; OR a combined score of 1000 or higher on the verbal and quantitative sections of the Graduate Record Examination (GRE).
3. At least a 3.25 in all anthropology courses.

This program is designed for students who have completed an undergraduate major in anthropology, which should include at least two courses in cultural anthropology and in archaeology, a theory course,

and an introduction to statistics. A field school or fieldwork experience is highly recommended, as are courses in North American Indians and North American Archaeology. Promising applicants may be admitted provisionally with deficiencies, which will need to be rectified with extra course work.

A final decision on admission will be made by the anthropology graduate admissions committee, which will take the following into consideration:

1. Three letters of recommendation concerning academic and professional promise.
2. A resume of not more than two pages, highlighting any experience relevant to this Master's program.
3. A statement of purpose of 300-500 words on qualifications and reasons for pursuing this degree.
4. At least one sample of writing (e.g., a term paper).
5. A transcript of all courses taken and degree(s) completed.

Admission will also depend on the number of students the program can support at a given time and the suitability of the applicant and his or her interests for the objectives of the program.

## Degree requirements (minimum of 36 hours)

### 1. \* Core Requirements (21 hours)

Course Code	Course Title	Credit Hours
<a href="#">ANT 600</a>	Applied Anthropology	3 hrs
OR	OR	
<a href="#">ANT 645</a>	Cultural Resource Management	
<a href="#">ANT 611</a>	Ethnographic Field Methods	3 hrs
OR	OR	
<a href="#">ANT 650</a>	Advanced Methods in Archaeology	
<a href="#">ANT 655</a>	Archaeological Theory	3 hrs
OR	OR	
<a href="#">ANT 695</a>	History of Anthropological Theory	
<a href="#">ANT 770</a>	Research Design and Writing in Anthropology	3 hrs
<a href="#">ANT 790</a>	Internship in Applied Anthropology	3 hrs

**ANT 797**

Practicum in Applied Anthropology

3-6 hrs

OR

OR

**ANT 799**

Thesis

- 
2. \* **Skills Requirements: 12 hrs** of demonstrated proficiency in a modern foreign language; or 6 hrs, at least 3 hrs being graduate level, from the following: statistics, quantitative methods, GIS, web design, film production or other courses with approval of the advisor and the graduate director.
  3. **Electives:** Any graduate level course in ANT as approved by advisor. Up to 9 hours of relevant graduate level courses in other programs may be applied to the degree with approval of the advisor.

\* Core and Skill Requirements may be met by equivalent undergraduate courses (e.g. ANT 500, 510, 545, 550, 555, 595) but those hours are not counted toward the 36 hours required for this degree.

4. **Internship.** Every student will complete an internship of at least 200 hours with an approved organization. It is the responsibility of the student to arrange this internship, in consultation with his or her advisor. Completion of the internship requires submission of a detailed report or portfolio and an oral presentation to the anthropology faculty and graduate students.
5. **Advisory Committee.** Every student will be assigned a faculty advisor, who will supervise the course of study. An advisory committee of at least three professors from the Graduate Faculty will be formed to evaluate the practicum or thesis. This committee may include an additional member from another university, or an agency or organization, when appropriate.
6. **Research.** Upon completion of the core courses, electives, and internship, each student will submit a proposal for a research project. This proposal shall be prepared in consultation with the student's advisor. When completed, the graduate director will convene a hearing with the student's advisory committee for final approval. There are two options for this research project:
  - a. *Practicum.* It is expected that most students will conduct an applied project from beginning to completion. The final report will serve as the equivalent of a thesis.
  - b. *Thesis.* In some instances, it may be more appropriate to conduct a research project and write a thesis.
7. **Comprehensive Examination.** Upon completion of a thesis or a practicum report, a hearing will be held and the student will be examined by the advisory committee. Each student will also give a public presentation on his or her research.

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# College of Natural and Applied Sciences

## Programs

✚Includes accelerated master's option

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### Master's programs

[Administrative Studies: Environmental Management Option](#) (MS)

[Biology](#) (MS) ✚

[Chemistry](#) (MS) ✚

[Geospatial Sciences in Geography, Geology and Planning](#) (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) ✚

[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)

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## Certificates

[Geospatial Information Sciences](#) (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](#) 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.

#### Ozarks Environmental and Water Resources Institute

The [Institute](#) 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.

#### Bull Shoals Field Station

The [Bull Shoals Field Station](#) operates to promote research and provide educational programs that increase public understanding of

### Contact

#### Dean

[Tamera S. Jahnke](#)

#### Associate Deans

[Daniel Beckman](#)

[Jorge Rebaza-Vasquez](#)

[Eric Steinle](#)

#### Office

Temple Hall, Room 142

#### Phone

417-836-5249

#### Fax

417-836-6934

southwest Missouri ecosystems.

# Department of Biology

## Programs

✚Includes accelerated master's option

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### Master's programs

[Biology \(MS\)](#)✚

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

[Natural and Applied Science with an area of emphasis in Biology \(MNAS\)](#)✚

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

[Plant Science \(MS\)](#)✚

## 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) 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:

## Contact

### Department head

S. Alicia Mathis

### Office

Temple Hall, Room 212

### Phone

417-836-5126

### Fax

417-836-4204

### Email



- 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

[biology@missouristate.edu](mailto:biology@missouristate.edu)

**Website**

[biology.missouristate.edu](http://biology.missouristate.edu)

# Biology Graduate Faculty

## Distinguished professor

[M. Christopher Barnhart](#)

[Paul L. Durham](#)

[Sean Maher](#)

[Paul Schweiger](#)

[Ryan Udan](#)

## Professors

[Daniel W. Beckman](#)

[Frank A. Einhellig](#)

[Janice S. Greene](#)

[John S. Heywood](#)

[Kyoungtae Kim](#)

[Laszlo G. Kovacs](#)

[S. Alicia Mathis](#)

[Thomas E. Tomasi](#)

[D. Alexander Wait](#)

## Associate professors

[Brian D. Greene](#)

[Day Ligon](#)

[Georgianna Saunders](#)

## Assistant professor

## Adjunct faculty

Wendy B. Anderson

[David E. Bowles](#)

Michelle Green

Lloyd W. Morrison

J. Daren Reidle

Gareth A. Rowell

Jason Steubel

## Emeritus professors

Jerry D. Berlin

Loren L. Denney

[John E. Havel](#)

Roar L. Irgens

[Steven L. Jensen](#)

[Don L. Moll](#)

[Richard L. Myers](#)

Grant L. Pyrah

Paul L. Redfearn

Russell G. Rhodes

Lynn W. Robbins

John G. Steiert

Robert F. Wilkinson, Jr.

# 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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 2

**Lab contact hours:** 4

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 2

**Lab contact hours:** 4

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **BIO 664 Ozarks Natural Communities**

Recommended Prerequisite: BIO 369. Examination of forests, glades, and aquatic

**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. Supplemental course fee. May be taught concurrently with BIO 511. Cannot receive credit for both BIO 511 and BIO 611.

**Credit hours: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

**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.

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: 2    Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

**BIO 666 Marine Ecology Lab**

*Prerequisite: concurrent enrollment in BIO 665.*

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 4 Lecture contact hours: 2**

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: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 4 Lecture contact hours: 4**

**Lab contact hours: 0**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 3**

**Lab contact hours:** 4

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 1

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **BIO 621 Marine Science for Teachers I**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **BIO 674 Aquatic Entomology**

Aquatic insects, ecology and taxonomy with emphasis on field applications. May be taught concurrently with BIO 574. Cannot receive credit for both BIO 574 and BIO 674.

**Credit hours:** 2 **Lecture contact hours:** 1

**Lab contact hours:** 3

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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.



*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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### **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.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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. Supplemental course fee. May be taught concurrently with BIO 576. Cannot receive credit for both BIO 576 and BIO 676.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee. May be taught concurrently with BIO 577. Cannot receive credit for both BIO 577 and BIO 677.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

Course is scheduled irregularly during academic breaks and may be preceded by several lectures in preparation for the trip. May be repeated to a total of 6 credits with a maximum of 3 credits to be applied to the major in biology. Supplemental course fee (variable by section). May be taught concurrently with BIO 527. Cannot receive credit for both BIO 527 and BIO 627.

**Credit hours:** 1-4 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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

### **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:** 4 **Lecture contact hours:** 3

**Lab contact hours:** 2

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 3

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

representative commercial and recreational fisheries. May be taught concurrently with BIO 532. Cannot receive credit for both BIO 532 and BIO 632.

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Summer

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **BIO 687 Marine Invertebrate Zoology**

**Lab contact hours:** 2

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 4 **Lecture contact hours:** 2

**Lab contact hours:** 4

**Typically offered:** Fall

[Projected offerings](#)

### **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

*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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 0

**Lab contact hours:** 6

**Typically offered:** Summer

[Projected offerings](#)

**BIO 637.****Credit hours: 2 Lecture contact hours: 2****Lab contact hours: 0****Typically offered:** Summer[Projected offerings](#)**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: 2 Lecture contact hours: 0****Lab contact hours: 4****Typically offered:** Summer[Projected offerings](#)**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: 2 Lecture contact hours: 2****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**BIO 640 Applications of Molecular Markers****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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Upon demand[Projected offerings](#)**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: 1-4 Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**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.

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. Supplemental course fee. May be taught concurrently with BIO 540. Cannot receive credit for both BIO 640 and BIO 540.

**Credit hours: 4 Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **BIO 712 Advanced Immunology**

Recommended Prerequisite: immunology course. Cellular aspects of the immune system.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **BIO 726 Advanced Limnology Methods**

Recommended Prerequisite: limnology course. Research and practical application of modern limnological methods are taught.

Projected offerings**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: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**BIO 650 Statistical Methods for Biologists**

Recommended Prerequisite: genetics course and pre-calculus mathematics course. Scientific

**Credit hours: 2    Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**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: 1-4    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**BIO 734 Advanced Plant Taxonomy**

*Prerequisite: permission of instructor.*

Philosophy and principles of modern taxonomic

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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 2    Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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

procedures.

**Credit hours: 4    Lecture contact hours: 2**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **BIO 760 Topics in Teaching Biology**

*Prerequisite: permission of instructor.*

Biological concepts, information, practical



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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### **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 755.

**Credit hours: 4    Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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

experiences, and use of resource materials in the elementary and secondary classroom. Variable content course. May be repeated when topic varies.

**Credit hours: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 total of 4 hours. Graded Pass/Not Pass only.

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

Springs, Mississippi. May be taught concurrently with BIO 556. Cannot receive credit for both BIO 556 and BIO 656.

**Credit hours:** 3 **Lecture contact hours:** 0

**Lab contact hours:** 6

**Typically offered:** Summer

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Summer

[Projected offerings](#)

### **BIO 658 Marine Fisheries Management Lab**

*Prerequisite: concurrent enrollment in BIO 657.*

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **BIO 798 Research**

*Prerequisite: permission of advisor.*

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: 2   Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Summer

[Projected offerings](#)

Supervised research in special biology areas. May be repeated, but no more than 6 hours may be counted as credit towards the MS degree. Graded Pass/Not Pass only.

**Credit hours: 1-6   Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **BIO 799 Thesis**

*Prerequisite: permission of advisor.*

Independent study connected with preparation of thesis. May be repeated, but no more than 6 hours may be counted as credit towards the MS degree. Graded Pass/Not Pass only.

**Credit hours: 1-6   Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Biology

## Graduate programs

### Master of Science, Biology

**D. Alexander Wait, Graduate Director**

Temple Hall, Room 248; Phone 417-836-5802

[AlexanderWait@missouristate.edu](mailto:AlexanderWait@missouristate.edu)

### 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.

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.

# Plant Science

## Graduate programs

### Master of Science, Plant Science

#### Wenping Qiu, Program Director

Forsythe Hall, Room 201; Phone (417) 547-7517

[Wenpingqiu@missouristate.edu](mailto:Wenpingqiu@missouristate.edu)

#### Sarah Lancaster, Accelerated Master's Program Director

Karl's Hall, Room 216; Phone (417) 836-5087

[sl2004@missouristate.edu](mailto:sl2004@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 Agriculture, Biology, Chemistry, and Fruit Science. 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, entomology 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 (See Admission to Graduate Study under Graduate College section of catalog). 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 550 on the paper-based or a comparable score of 213 on the computer-based with a minimum of 50th percentile on the Listening Comprehension Section.
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 Agriculture, 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.



# Secondary Education: Biology Area of Emphasis

## Graduate programs

### **Master of Science in Education, Secondary Education: Biology Area of Emphasis**

Contact Dr. Georgianna Saunders or Dr. Janice Greene for biology requirements.

See program requirements for the [MSEd, Secondary Education](#).

### **Biology requirements**

Biology courses that includes a minimum of 3 hrs in courses numbered 700 or above to **total 15 hours**.

# Department of Chemistry

## Programs

✚Includes accelerated master's option

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### 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

Bryan Breyfogle

### Office

Temple Hall, Room 423

### Phone

417-836-5506

### Fax

417-836-5507

### Email

[chemistry@missouristate.edu](mailto:chemistry@missouristate.edu)

**Website**

[chemistry.missouristate.edu/](http://chemistry.missouristate.edu/)

# 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

[Dean A. Cuebas](#)

[Gary A.J. Meints](#)

[Erich D. Steinle](#)

[Adam K. Wanekaya](#)

## Assistant professors

[Kathryn M. Fichter](#)

[Matthew R. Siebert](#)

[Fei Wang](#)

[Keiichi Yoshimatsu](#)

## Emeritus professors

[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.

# Chemistry Courses

## Chemistry (CHM) courses

### CHM 602 Techniques of Instrumental Analysis

*Prerequisite: "C-" or better in either [CHM 201 and 202] 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. Does not apply to a Chemistry major if the student passes CHM 702. May be taught concurrently with CHM 502. Cannot receive credit for both CHM 502 and CHM 602.

**Credit hours: 4    Lecture contact hours: 3**

**Lab contact hours: 3**

**Typically offered:** Fall

[Projected offerings](#)

### CHM 605 Fundamentals of Physical Chemistry

*Prerequisite: 20 hours of chemistry; and "C-" or better in either MTH 287 or MTH 261.*

A one semester introduction to physical chemistry including the following topics: thermodynamics, solution chemistry, electrochemistry, kinetics, and atomic and molecular structure. Laboratory experiments will illustrate principles of physical chemistry and techniques of analysis. Does not apply to a Chemistry major if the student passes CHM 606. May be taught concurrently with CHM 505. Cannot receive credit for both CHM 505 and

### CHM 697 Special Topics in Chemistry

*Prerequisite: 18 hours of chemistry.*

Selected topics of a theoretical or applied nature. May be repeated up to a total of 6 hours with differing topics. May be taught concurrently with CHM 597. Cannot receive credit for both CHM 597 and CHM 697.

**Credit hours: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### CHM 700 Chemistry Colloquium

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 2 hours may be counted toward the 32-hour requirement for the MS in Chemistry degree.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

**CHM 605.****Credit hours: 4 Lecture contact hours: 3****Lab contact hours: 3****Typically offered:** Spring[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Fall[Projected offerings](#)**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

**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: 1 Lecture contact hours: 1****Lab contact hours: 0****Typically offered:** Fall, Spring[Projected offerings](#)**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 total of 6 hours with differing topics.

**Credit hours: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Upon demand[Projected offerings](#)**CHM 710 Special Topics in Chemical**

507.

**Credit hours: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**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: 2 Lecture contact hours: 0****Lab contact hours: 4****Typically offered:** Fall[Projected offerings](#)**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: 2 Lecture contact hours: 0****Lab contact hours: 4****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 total of 9 hours provided the topics are different.

**Credit hours: 1-3 Lecture contact hours:****Lab contact hours:****Typically offered:** Upon demand[Projected offerings](#)**CHM 720 Topics in Theoretical Chemistry***Prerequisite: coursework sufficient to meet Missouri certification standards in chemistry for secondary teaching or permission.*

Nature of matter including atomic structure, chemical bonding and spectroscopy.

**Credit hours: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Upon demand[Projected offerings](#)**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

**Typically offered:** Spring

[Projected offerings](#)

### **CHM 614 Polymer Chemistry**

*Prerequisite: "C-" or better in CHM 343 or CHM 344; 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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: 1 Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Spring (odd-numbered years)

with application to secondary and middle school science.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **CHM 740 Seminar**

Extensive paper on selected topics to be read before staff seminars. May be repeated to total 4 hours.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CHM 742 Physical Organic Chemistry**

*Prerequisite: CHM 642.*

An in-depth study of the experimental techniques and physical principles used for the determination of organic reaction mechanisms.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CHM 752 Advanced Topics in Biochemistry**

*Prerequisite: CHM 652.*

An advanced topic in biochemistry will be



[Projected offerings](#)**CHM 642 Advanced Organic Chemistry**

*Prerequisite: "C-" grade or better in CHM 343 or CHM 344.*

Structure, reaction mechanisms, stereochemistry and other topics of theoretical nature in organic and polymer chemistry. May be taught concurrently with CHM 542. Cannot receive credit for both CHM 542 and CHM 642.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

**CHM 652 Biochemistry II**

*Prerequisite: "C-" or better in CHM 452.*

Bioenergetics--Metabolism of biomolecules including carbohydrates, lipids, amino acids and nucleotides. Photosynthesis. Nitrogen metabolism. Mechanisms of hormone action. May be taught concurrently with CHM 552. Cannot receive credit for both CHM 552 and CHM 652.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**CHM 653 Advanced Biochemistry Laboratory**

*Prerequisite: CHM 453; and CHM 552 or CHM 652 or concurrent enrollment in CHM 552 or CHM*

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 total of 6 hours with differing topics.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

**CHM 771 Chemical Bonding**

*Prerequisite: CHM 607.*

Quantum mechanics; atomic and molecular structure; computational procedures. Independent study project required.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (even-numbered years)

652.

Emphasis on modern techniques in the biochemistry laboratory; enzymology, protein purification and analysis; protein structure determination; isoelectric focusing; HPLC; trace techniques. Supplemental course fee. May be taught concurrently with CHM 553. Cannot receive credit for both CHM 553 and CHM 653.

**Credit hours: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

[Projected offerings](#)

### **CHM 775 Organometallic Chemistry**

*Prerequisite: CHM 675.*

An in-depth examination of the structure, properties, and reactions of molecules containing one or more metal atoms bonded to organic fragments.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (even-numbered years)

[Projected offerings](#)

### **CHM 790 Advanced Topics in Chemistry**

Detailed treatment of various advanced topics in chemistry. Topics may include: water analysis, physical chemistry of macromolecules, chemistry of natural products, surface chemistry, and forensic chemistry. Variable content course. May be repeated to a total of 6 hours with differing topics.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CHM 792 Degree Paper**

*Prerequisite: 4 or more hours of CHM 798 and permission of advisor.*

Written research paper on a selected topic.

transportation; energy sources and fuels. May be taught concurrently with CHM 461. Cannot receive credit for both CHM 661 and CHM 461.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

## **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: 2 Lecture contact hours: 0**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

## **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.

Exclusively satisfies requirements for non-thesis option, which also requires that at least one CHM 792 paper will be presented orally to the department. May be repeated up to 4 hours. Graded Pass/Not Pass only.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

## **CHM 798 Research**

Supervised research in special chemistry areas. May be repeated, but not more than 6 hours of CHM 798 may be counted toward the 32-hour requirement for the MS degree.

**Credit hours: 1-4 Lecture contact hours:**

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Chemistry Program

## Graduate programs

### Master of Science, Chemistry

**G. Alan Schick, Graduate Director**

Temple Hall, Room 425, Phone 417-836-5506

[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 a master's thesis will be incorporated into a customized curriculum based on the individual's scholastic background and career goals. On completion of the program, the student will have developed the skills needed for a career in chemical production, development, or research.

### 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 and quantitative sections of the Graduate Record Examination. Normally, students are expected to score at or above the 50th percentile on each section of the GRE and to have an overall college GPA of at least 3.00.
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 background in chemistry consisting of two semesters of general chemistry, two semesters of organic chemistry, one semester of analytical chemistry, and one semester of inorganic chemistry with grades of "C" or better in each course and an overall GPA of not less than 3.00.

Applicants lacking the background courses described in item five above may be admitted, but will be required to rectify any of these deficiencies with appropriate course work. These leveling courses will not apply toward the master's degree.

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 masters option have been satisfied. If accepted, graduate courses chosen from [CHM 602](#), [CHM 607](#), [CHM 642](#), [CHM 652](#) 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. Contact the Department of Chemistry for further information and guidelines.

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 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 Accelerated Master's Degree Option

1. Junior standing, a GPA in chemistry of 3.00 or better and an overall GPA of 3.00 or better.
2. Completion of [CHM 160](#), [CHM 161](#), [CHM 170](#), [CHM 171](#), [CHM 302](#), [CHM 342](#), [CHM 343](#), [CHM 375](#), [CHM 398](#), and [CHM 399](#); [PHY 123](#) and [PHY 124](#) or [PHY 203](#) and [PHY 204](#); [MTH 287](#) and [MTH 288](#), or [MTH 261](#) and [MTH 280](#) or [MTH 261](#) and [MTH 288](#) with an overall GPA of 3.00 or better.
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. **Advisory Committee.** Initially, each student will be advised by the departmental coordinator of graduate studies. As soon as possible, the student will select a faculty member to chair a graduate advisory committee consisting of at least four persons. At least one committee member, but not more than two, shall be from outside the chemistry department. This committee will supervise the remainder of the candidate's graduate program.
2. **Program of Study.** The candidate's program will be structured by the advisory committee in consultation with the student. Academic background, professional experience, placement test scores, and academic objectives will be considered in establishing the individual's program.
3. **Chemistry Requirement.** A minimum of 24 hours in chemistry including at least 16 hours from courses numbered 700 or above with at least 6 hours of 700-level chemistry course work in addition to research, thesis, and colloquium. Students who have not passed (with a C or better) undergraduate courses in instrumental analysis, physical chemistry, advanced organic chemistry, and advanced inorganic chemistry will be required to pass (with a grade of C or better) some or all of the following courses: [CHM 602](#), [CHM 606](#), [CHM 607\\*](#), [CHM 642](#), and [CHM 675](#). Hours received from these courses will count toward the 32 hours required for the master's degree.

\* Students who have had a one-semester physical chemistry course will be given an assessment exam; a score of the 50th percentile or above will satisfy the physical chemistry core course requirement. Students scoring less than the 50th percentile, but higher than the 33rd percentile,

will satisfy the physical chemistry core requirement by passing **CHM 607**.

4. **Colloquium.** 2 hours of credit must be earned in **CHM 700**, Chemistry Colloquium.
5. **Electives.** Upon approval of the advisory committee, graduate courses from related fields may be selected to a maximum of 8 hours within the 32 hour degree requirement.
6. **Research Requirement.** For both options, the student is required to give an oral presentation of his/her work to the Department.
  - Thesis Option: The maximum credit toward the 32-hour degree requirement is 6 hours of **CHM 798** and 6 hours of **CHM 799**. 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 findings to peers. An oral defense of the thesis is required.
  - 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 requires the completion of two (2) degree papers, one of which must be presented orally at a departmental seminar. Four (4) hours of **CHM 792** and four (4) hours of **CHM 798** may be counted toward this degree under this option.
7. **Comprehensive Examination.** A written 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.



# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.

# Plant Science

## Graduate programs

### Master of Science, Plant Science

#### Wenping Qiu, Program Director

Forsythe Hall, Room 201; Phone (417) 547-7517

[Wenpingqiu@missouristate.edu](mailto:Wenpingqiu@missouristate.edu)

#### Sarah Lancaster, Accelerated Master's Program Director

Karl's Hall, Room 216; Phone (417) 836-5087

[sl2004@missouristate.edu](mailto:sl2004@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 Agriculture, Biology, Chemistry, and Fruit Science. 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, entomology 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 (See Admission to Graduate Study under Graduate College section of catalog). 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 550 on the paper-based or a comparable score of 213 on the computer-based with a minimum of 50th percentile on the Listening Comprehension Section.
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 Agriculture, 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, entology, 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.

# Secondary Education: Chemistry Area of Emphasis

## Graduate programs

### **Master of Science in Education, Secondary Education: Chemistry Area of Emphasis**

Contact area of emphasis advisor Dr. Bryan Breyfogle.

See program requirements for the [MSEd, Secondary Education](#).

### **Chemistry requirements**

Chemistry course work including a minimum of 3 hours in courses numbered 700 or above to **total 15 hours**.

# Secondary Education: Natural Science Area of Emphasis

## 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](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Department of Computer Science

## Programs

✚Includes accelerated master's option

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## Master's programs

[Natural and Applied Science with emphasis in](#)      [Computer Science \(MNAS\)](#)✚

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](#)

## Contact

### Department head

Kenneth R. Vollmar

### 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](http://computerscience.missouristate.edu)



# Computer Science Graduate Faculty

## Professors

[Hui Liu](#)

[Lloyd A. Smith](#)

[Kenneth Vollmar](#)

[Yang Wang](#)

## Associate professors

[Jamil Saquer](#)

## Emeritus professors

[Melvin V. Foster](#)

[Ivon Lowsley, Jr.](#)

# 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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.

505. Cannot receive credit for both CSC 505 and CSC 605.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **CSC 665 Computer Networks**

An introduction to the theory, concepts and techniques upon which modern computer networks and telecommunication systems 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 665 and CSC 565.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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 or both CSC 667 and CSC 567.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring



receive credit for both CSC 615 and CSC 515.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSC 625 Computer Graphics**

An introduction to computer graphics, with an emphasis on application programming. Algorithms for two dimensional graphics, including windowing, clipping, and transformations; algorithms for three dimensional graphics, including viewing, transformations, and removal of hidden lines and surfaces. Data structures for graphics and interactive techniques will be stressed. May be taught concurrently with CSC 525. Cannot receive credit for both CSC 625 and CSC 525.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSC 690 Advanced Topics in Computer Science**

Detailed consideration of advanced topics in the field of Computer Science. Topics will change, and this course may be repeated with differing topics. May be taught concurrently with CSC 590. Cannot receive credit for both CSC 690 and CSC 590.

**Credit hours: 1-4 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSC 696 Special Readings**

*Prerequisite: permission of department head.*

Periodic conferences with an advisor are required.

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSC 635 Data Mining**

Recommended Prerequisite: equivalent of CSC 232. This course studies the emerging technology of data mining - the automated extraction of patterns and information from data. The focus will be on understanding the algorithms underlying data mining and on the practical use of those algorithms. Students will use data mining software to analyze collections of data. May be taught concurrently with CSC 535. Cannot receive credit for both CSC 635 and CSC 535.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **CSC 640 Introduction to Artificial Intelligence**

Recommended Prerequisite: equivalent of CSC

May be repeated to a total of 6 hours. May be taught concurrently with CSC 596. Cannot receive credit for both CSC 596 and CSC 696.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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:** 1-4 **Lecture contact hours:**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.



# Department of Geography, Geology, and Planning

## Programs

✚Includes accelerated master's option

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### Master's programs

[Geospatial Sciences in Geography, Geology and Planning](#) (MS) ✚

[Natural and Applied Science with emphasis in Geography, Geology, and Planning](#) (MNAS) ✚

[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)

Courses are offered toward the Environmental Management option within the [Administrative Studies Program](#) (MS)

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### Certificates

[Geospatial Information Sciences](#) (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

## Contact

### Department head

Toby Dogwiler

### Office

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.

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# Geography, Geology, and Planning Graduate Faculty

## Distinguished professors

[Kevin L. Mickus](#)

[Robert T. Pavlowsky](#)

## Professors

[Toby Dogwiler](#)

[Kevin R. Evans](#)

[Douglas R. Gouzie](#)

[Melida Gutierrez](#)

[Rajinder Jutla](#)

[Charles W. Rovey II](#)

## Associate professors

[Alice Jill Black](#)

[Jun Luo](#)

[Judith L. Meyer](#)

[Xin Miao](#)

[Xiaomin Qiu](#)

## Assistant professors

[Ronald Malega](#)

[Diane M. May](#)

[Gary Michelfelder](#)

[Matthew C. Pierson](#)

## Instructor

[Dimitri Ioannides](#)

## Emeritus professors

[David A. Castillon](#)

[John C. Catau](#)

[William H. Cheek](#)

[William T. Corcoran](#)

[Stanley C. Fagerlin](#)

[Russell L. Gerlach](#)

[Elias Johnson](#)

[Vincent E. Kurtz](#)

[Erwin J. Mantei](#)

[Thomas D. Moeglin](#)

[Thomas Plymate](#)

Milton D. Rafferty

# Geography, Geology, and Planning Courses

## Geospatial (GEO) courses

### GEO 651 Remote Sensing

Recommended Prerequisite: GRY 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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### GEO 661 Intermediate Geographic Information Science

Recommended Prerequisite: GRY 363. 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,

### GEO 673 Geographic Information Science

#### Programming

Recommended Prerequisite: GEO 561 or GEO 661, and either CIS 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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### 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: 3    Lecture contact hours: 1**

visualization and output. May be taught concurrently with GEO 561. Cannot receive credit for both GEO 561 and GEO 661.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

May be taught concurrently with GEO 566. Cannot receive credit for both GEO 566 and GEO 666.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **GEO 668 Thematic Cartography**

Recommended Prerequisite: GEO 561 or GEO 661. 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. Field trip is required. May be taught concurrently with GEO 568. Cannot receive credit for both GEO 668 and GEO 568.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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.

for both GEO 572 and GEO 672.

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)



## 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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Summer

[Projected offerings](#)

### 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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Summer

[Projected offerings](#)

### GLG 630 Optical Mineralogy

Recommended Prerequisite: GLG 333. Essentials

### 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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### 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: 3    Lecture contact hours: 2**

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:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Lab contact hours:** 2

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **GLG 701 Geology for Secondary Teachers I**

*Prerequisite: permission.*

Earth materials, geological processes, geological history and the geological environments.

**Credit hours:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

### **GLG 702 Geology for Secondary Teachers II**

*Prerequisite: GLG 701.*

receive credit for both GLG 647 and GLG 547.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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.

Continuation of GLG 701.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **GLG 751 Seminar in Geology**

*Prerequisite: permission.*

Preparation of an extensive paper on selected topics to be read before staff seminars.

**Credit hours: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Upon demand

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **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

[Projected offerings](#)

### **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 to GRY 740. Cannot receive credit for more than 6 hours of GLG 755 and GRY 740 combined.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

674 and GLG 574.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 4 Lecture contact hours: 2**

**Lab contact hours: 4**

### **GLG 782 Contaminant Geochemistry**

Recommended Prerequisite: undergraduate background in both geology and chemistry. Geochemical principles applied to solve environmental problems involving surface water, groundwater, sediments, soils, and the atmosphere. Case studies in groundwater geochemistry, medical geology, and mining geology. Geostatistics (ArcGIS, SPSS) and geochemical modeling (MINTEQ) tools used.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **GLG 799 Thesis**

*Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## **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:** 3 **Lecture contact hours:** 3

### **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.

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **GRY 610 Applications in Sustainable Geotourism**

Recommended Prerequisite: GRY 410. This course will explore environmentally and socially responsible tourism strategies and innovations, and provide tools needed by private and public tourism entities to work together. The principles of Geotourism will be applied in a practicum to a local, regional or national community. Students will work as a team and individually to develop a tourism policy and plan based on Geotourism parameters. May be taught concurrently with GRY 510. Cannot receive credit for both GRY 610 and GRY 510.

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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

**Credit hours:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

### **GRY 703 Cultural Geography for Secondary Teachers II**

hazards: analysis, preparedness, and mitigation.

May be taught concurrently with GRY 525. Cannot receive credit for both GRY 525 and GRY 625.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

*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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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.



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: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-3    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 2**

**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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**GRY 799 Thesis***Prerequisite: permission.*

Independent research and study connected with preparation of thesis.

**Credit hours: 1-6 Lecture contact hours:****Lab contact hours:****Typically offered:** Fall, Spring[Projected offerings](#)**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Spring[Projected offerings](#)**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

**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: 3 Lecture contact hours: 2****Lab contact hours: 2****Typically offered:** Spring[Projected offerings](#)**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

general welfare concept. May be taught concurrently with PLN 570. Cannot receive credit for both PLN 570 and PLN 670.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **PLN 672 Community Planning Practicum**

*Prerequisite: PLN 571 or PLN 671.*

Focuses on the process of plan preparation and is intended to provide experience in the application of planning principles and analytical techniques learned in other program courses to a planning problem in an area community. Students will work on an individual basis and as part of a team in

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: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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.

preparing a final report. May be taught concurrently with PLN 572. Cannot receive credit for both PLN 572 and PLN 672.

**Credit hours: 4 Lecture contact hours: 3**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**Credit hours: 1-5 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

Projected offerings

# Geospatial Sciences in Geography, Geology and Planning

## Graduate programs

### Master of Science, Geospatial Sciences in Geography, Geology and Planning

**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 Geospatial Science with applications in one of three options: 1) Physical Geography; 2) Human Geography and/or Planning; or 3) Environmental 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 competencies 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.

#### Admission requirements

The Department's Graduate Admissions Committee requests the following materials from each applicant:

1. An application for admission to the Graduate School;
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 sent to the MS Program Director.
5. Separate application to the MS 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 Geospatial Sciences 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

1. Each student should consult with the department's general graduate advisor before registering for the first semester of classes.
2. Each student is also encouraged to identify a general thesis 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.
3. Once the membership of the advisory committee has been established, the student should rely upon its members, but especially the chairperson, for assistance in the selection of his/her elective courses, and for advice and direction in the thesis research.
4. Until such time as the advisory committee has been formed, the student should continue to consult with the department's graduate advisor.

## Degree requirements

A minimum of 33 hrs with thesis; a minimum of 36 hours for the non-thesis option

### 1. Required Geospatial Sciences Core (Total 15 hours)

Course Code	Course Title	Credit Hours
<a href="#">GEO 700</a>	Introduction to Graduate Study in Geospatial Sciences	3 hrs
<a href="#">GEO 701</a>	Research Methods in Geospatial Sciences	3 hrs
<a href="#">GEO 651</a>	Remote Sensing	3 hrs
<a href="#">GEO 661</a>	Intermediate Geographic Information Science	3 hrs
	<b>One of the following:</b>	3 hrs
<a href="#">GEO 662</a>	Internet Geospatial Science	
<a href="#">GEO 666</a>	Advanced Geographic Information Science	

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<a href="#">GEO 668</a>	Thematic Cartography
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<a href="#">GEO 672</a>	Introduction to Photogrammetry and LiDAR Technology
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<a href="#">GEO 673</a>	Geographic Information Science Programming
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<a href="#">GEO 675</a>	GPS Surveying and Mapping
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<a href="#">GEO 678</a>	Remote Sensing Digital Image Processing
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<a href="#">GEO 755</a>	Applications of Digital Cartography, Analytical Photogrammetry, and Remote Sensing

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Students who do not have adequate background in statistical analysis from their undergraduate course work are strongly encouraged to take at least one of the following (3 hours):

- [MTH 645](#) Applied Statistics
- [MTH 646](#) Analysis of Variance and Design of Experiments
- [MTH 647](#) Applied Regression Analysis
- [MTH 648](#) Applied Time Series Analysis

2. **Research Requirement (complete one).**

- a. **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.
- b. **Non-Thesis Option.** Students choosing 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.

3. **Additional Course Requirements.** Students in the thesis option must complete an additional 18 hours of graduate course work beyond the required 15-hour core. Students choosing to complete a thesis may count up to 3 credit hours of [GRY 779](#) or [GLG 779](#) and up to 6 credit hours of [GRY 799](#) or [GLG 799](#) toward this 18 hour requirement. Students in the non-thesis option must complete an additional 21 hours of graduate course work beyond the required 15 hour core. Students choosing

the non-thesis option may count 3 credit hours of [GRY 779](#) or [GLG 779](#) and 3 credit hours of [GEO 780](#) toward this 21 hour requirement. Students in the thesis option must complete at least 17 credit hours of course work at the 700 level; students in the non-thesis option must complete at least 18 credit hours of course work at the 700 level. Students must complete a program of study worksheet by the end of their first academic semester. Before enrolling in the 12th hour of graduate credit, the student, an academic advisor, and the Graduate Program Director must agree upon and sign an Advisor Approved Program of Study.

Students whose undergraduate background does not include the prerequisite material for [GEO 651](#) and/or [GEO 661](#) are required to take Introduction to Geographic Information Science for [GRY 697](#) credit. This credit does not count toward the additional 18 hours of graduate course work required for the thesis option or toward the additional 21 hours of graduate course work required for the non-thesis option.

- 4. Comprehensive Examination.** A written comprehensive examination must be taken before the end of the third semester of full-time enrollment in the program. Students will be provided reading lists and/or study guides specific to their individual program of study. 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 departmental Graduate Director. A student may repeat the examination, or section of the examination, upon recommendation of the Graduate Program Director and approval of the Department Head. Students who have not passed the comprehensive examination upon completion of three academic semesters of full-time study will not be permitted to continue in the program. If a student opts to change tracks after completing the comprehensive examination, the student must take and pass the examination specific to the new selected track before a degree will be awarded.

The faculty members writing the examination questions shall determine what constitutes a passing mark for the exam.

- 5. Research Concentrations.** The Department of Geography, Geology and Planning has identified three areas of research concentration for prospective students. Students are strongly encouraged to select a research topic in one of these concentration areas.

## Physical Geography Option

Students interested in physical geography can select a research topic in fluvial geomorphology, water quality and watershed management, or climatology. Students should integrate geospatial science with physical geography when doing a graduate research project. Students selecting this concentration would normally take at least two of the following courses:

- [GRY 625](#) Environmental Hazards
- [GRY 635](#) Global Climate and Weather Cycles
- [GRY 645](#) Global Environmental Change
- [GRY 650](#) Fluvial Geomorphology
- [GRY 731](#) Environmental Assessment
- [GRY 751](#) Topics in Advanced Physical Geography
- [GLG 647](#) Water Resources
- [GLG 782](#) Contaminant Geochemistry
- [GEO 770](#) Advanced Field and Laboratory Methods

### **Human Geography and/or Planning Option**

Students interested in human geography and/or planning can select a research topic in land use assessment, urban design, community and regional planning, neighborhood planning, transportation planning, or tourism planning and development. Students should integrate geospatial science with human geography and/or planning when doing a graduate research project. Students selecting this concentration would normally take at least two of the following courses:

- [GRY 610](#) Applications in Sustainable Geotourism
- [GRY 625](#) Environmental Hazards
- [GRY 645](#) Global Environmental Change
- [GRY 731](#) Environmental Assessment
- [PLN 605](#) Social Planning
- [PLN 670](#) Planning Law
- [PLN 671](#) Land Use Planning
- [PLN 673](#) Urban Design and Preservation
- [PLN 674](#) Open Space Planning

### **Environmental Geology Option**

Students interested in geology can select a research topic in environmental geochemistry, geohydrology, karst systems, stratigraphy, or geophysics. Students should integrate geospatial science with geology when doing a graduate research project. Students selecting this concentration would normally take at least two of the following courses.

- [GLG 630](#) Optical Mineralogy
- [GLG 647](#) Water Resources
- [GLG 670](#) Principles of Stratigraphy
- [GLG 672](#) Geohydrology
- [GLG 673](#) Engineering Geology
- [GLG 674](#) Petroleum Geology
- [GLG 680](#) Geochemistry
- [GLG 681](#) Geochemical Techniques
- [GLG 690](#) Applied Geophysics
- [GLG 694](#) Global Tectonics
- [GLG 782](#) Contaminant Geochemistry

Students interested in research topics outside of these three concentrations should consult with the Graduate Program Director and a possible advisor before beginning the program.

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.

# Secondary Education: Earth Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Earth Science Area of Emphasis

Contact area of emphasis Dr. Melida Gutierrez.

See program requirements for the [MSEd, Secondary Education](#).

### Prerequisite Earth Science requirements

A minimum of 24 hours in Science and/or Mathematics.

### Earth Science requirements

[GLG 701](#) Geology for Secondary Teachers I 3 hrs

[GLG 702](#) Geology for Secondary Teachers II 3 hrs

Additional Geography and Geology course work 9 hrs

**Total 15 hrs**

# Secondary Education: Geography Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Geography Area of Emphasis

Contact area of emphasis Dr. A. Jill Black.

See program requirements for the [MSEd, Secondary Education](#).

### Prerequisite Geography requirements

A minimum of 24 hours in the social sciences including Economics, Geography, History, Political Science, Psychology, and Sociology.

### Geography requirements

[GRY 700](#) Cultural Geography for Secondary Teachers I 3 hrs

[GRY 703](#) Cultural Geography for Secondary Teachers II 3 hrs

Additional Geography course work 9 hrs

**Total 15 hrs**

# Secondary Education: Natural Science Area of Emphasis

## 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](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Secondary Education: Social Science Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Social Science Area of Emphasis

Contact area of emphasis advisor Dr. Jamaine Abidogun.

See program requirements for the [MSEd, Secondary Education](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Geospatial Information Sciences

## Graduate programs

### Geospatial Information Sciences Graduate Certificate

#### 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.

#### Completion requirements

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

#### 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.

## Completion requirements

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

### Curriculum (12 hours total)

In consultation with the program coordinator, the student should select four of the following three-credit hour courses, for a total of 12 hours.

- [GEO 651](#) Remote Sensing
- [GEO 661](#) Intermediate Geographic Information Science
- [GEO 662](#) Internet Geospatial Science
- [GEO 666](#) Advanced Geographic Information Sciences
- [GEO 668](#) Thematic Cartography
- [GEO 672](#) Introduction to Photogrammetry and LiDAR Technology
- [GEO 673](#) Geographic Information Science Programming
- [GEO 675](#) GPS Surveying and Mapping
- [GEO 678](#) Remote Sensing Digital Image Processing

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.



# Department of Hospitality Leadership

## Programs

✚ Includes accelerated master's option

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## Graduate

No graduate or certificate program is offered in the Hospitality Leadership Department.

The following courses may be taken for graduate credit by students admitted to graduate study at Missouri State University:

- [Hospitality Leadership](#) (HRA) courses

## Contact

**Department head**

Stephanie Hein

**Office**

Pummill Hall, Room 300

**Phone**

417-836-4409

**Fax**

417-836-7673

**Email**

[HRA@MissouriState.edu](mailto:HRA@MissouriState.edu)

**Website**

[hospitality.missouristate.edu](http://hospitality.missouristate.edu)

# Hospitality Leadership Graduate Faculty

## Professors

[Melissa Dallas](#)

## Associate professor

[Stephanie G. Hein](#)

# Hospitality and Restaurant Administration Courses

## Hospitality and Restaurant Administration (HRA) courses

### **HRA 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HRA 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: 3 Lecture contact hours: 3**

### **HRA 730 Seminar in Hospitality and Tourism**

*Prerequisite: HRA 710 and HRA 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **HRA 798 Field Experience in Hospitality Administration**

*Prerequisite: HRA 710 and HRA 720; and HRA 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

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

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:** 3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Department of Mathematics

## Programs

✚Includes accelerated master's option

### 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

William O. Bray

### Office

Cheek Hall, Room 10 M

### Phone

417-836-5112

### Fax

417-836-6966

### Email

[Mathematics@missouristate.edu](mailto:Mathematics@missouristate.edu)

**Website**

[math.missouristate.edu](http://math.missouristate.edu)

# Mathematics Graduate Faculty

## Distinguished professor

[Paula A. Kemp](#)

## Professors

[Richard G. Belshoff](#)

[William O. Bray](#)

[Yungchen Cheng](#)

[Kanghui Guo](#)

[Shouchuan Hu](#)

[J. Kurt Killion](#)

[Shelby J. Kilmer](#)

[George Mathew](#)

[Gay A. Ragan](#)

[Jorge Rebaza](#)

[Les Reid](#)

[Kishor Shah](#)

[Vera B. Stanojevic](#)

[Yingcai Su](#)

[Xingping Sun](#)

[Cameron Wickham](#)

## Associate professors

[Adam P. Harbaugh](#)

[Mark W. Rogers](#)

[Matthew Wright](#)

[Songfeng Zheng](#)

## Assistant professor

[Steven Senger](#)

[Patrick Sullivan](#)

## Emeritus professors

Earl E. Bilyeu

James R. Downing

[Frank S. Gillespie](#)

[Shirley M. Huffman](#)

[John D. Kubicek](#)

David B. Lehmann

E. Rebecca Matthews

Neil C. Pamperien

[Clyde A. Paul](#)

[Lynda S. Plymate](#)

Clayton Sherman

Woodrow Sun

William Sutherlin

Joe L. Wise

Xiang Ming Yu

Liang-Cheng Zhang



# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### MTH 702 Real and Abstract Analysis

*Prerequisite: MTH 701.*

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

A study of the theory of abstract measures and integration, and an introduction to functional analysis.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MTH 710 Contemporary Mathematics for Secondary Teachers**

*Prerequisite: MTH 460; and MTH 533 or MTH 633.*

Reports, research, and recent trends in secondary mathematics; recently developed programs in algebra and geometry.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

Projected offerings**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** SpringProjected offerings**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** FallProjected offerings**Typically offered:** Upon demandProjected offerings**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: 3 Lecture contact hours: 3****Lab contact hours: 0****Typically offered:** Upon demandProjected offerings**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: 3 Lecture contact hours: 3****Lab contact hours: 0**

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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,

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

**MTH 741 Statistical Inference I**

*Prerequisite: MTH 540 or MTH 640 or equivalent.*

Formulation of statistical models, sufficiency and

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MTH 640 Statistical Theory I**

*Prerequisite: MTH 302 and MTH 315.*

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **MTH 754 Algebraic Reasoning for Elementary Mathematics Specialist**

*Prerequisite: two years teaching experience and*

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

*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 MSED Secondary Education (Mathematics) program.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 MSED Secondary Education (Mathematics) program.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MTH 781 Topology**

Point set topology in abstract spaces.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MTH 791 Seminar I**

Seminar in Mathematics.

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**



**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MTH 680 Applied Mathematics**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **MTH 792 Seminar II**

Seminar in Mathematics.

**Credit hours: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **MTH 797 Topics**

*Prerequisite: permission of department head.*

Material covered determined by the interests and backgrounds of the students. May be repeated for

*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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

a maximum of 6 hours.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **MTH 798 Research**

Supervised research in special areas of mathematics. May be repeated. Cannot be counted toward the MSED degree.

**Credit hours: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### **MTH 799 Projects**

Independent research for thesis preparation.

**Credit hours: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

# Mathematics

## 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:

[MTH 702](#) Real and Abstract Analysis

[MTH 732](#) Abstract Algebra II

[MTH 722](#) Theory of Ordinary Differential Equat. II

[MTH 742](#) Statistical Inference II

Students 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 two seminars, each of which shall require an extensive paper or major creative work.
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.

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.

# Secondary Education: Mathematics Area of Emphasis

## 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](#).

### Prerequisite Mathematics requirements

[MTH 315](#) or equivalent; and [MTH 302](#) or equivalent.

### Mathematics requirements

Students must take 15 hours of Mathematics courses for the emphasis area. Of these 15 hours, at least 3 hours must be at the 700 level

### 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 460](#), [MTH 532](#) and [MTH 533](#); and 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 6 hours of coursework from among [MTH 603](#), [MTH 636](#), [MTH 640](#) and [MTH 667](#) taken after admission into the program may be given credit for both undergraduate and graduate programs. 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.

# Secondary Education: Natural Science Area of Emphasis

## 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](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Department of Physics, Astronomy, and Materials Science

## Programs

✚Includes accelerated master's option

### Master's programs

[Materials Science \(MS\)](#) ✚

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

[Natural and Applied Science with an area of emphasis in Physics \(MNAS\)](#) ✚

[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

David M. Cornelison

### Office

Kemper Hall, Room 101

### Phone

417-836-5131

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417-836-6226

**Email**

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# Physics, Astronomy, and Materials Science Graduate Faculty

## Professors

[David M. Cornelison](#)

[Kartik C. Ghosh](#)

[Shyang Huang](#)

[Robert A. Mayanovic](#)

[Robert S. Patterson](#)

[Saibal Mitra](#)

[Emmett R. Redd](#)

[Michael D. Reed](#)

## Associate professor

[Lifeng Dong](#)

[Ridwan Sakidja](#)

[Maria Stepanova](#)

## Assistant professors

[Peter Plavchan](#)

## Emeritus professors

[Ryan Giedd](#)

[Kandiah Manivannan](#)

[Bruno Schmidt](#)

[Robert Whitaker](#)

[George W. Wolf](#)

# 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall (odd-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**



**Typically offered:** Spring (even-numbered years)

[Projected offerings](#)

### **AST 711 Astronomy for Teachers**

Theory and techniques of observational astronomy.

**Credit hours:** 3 **Lecture contact hours:** 2

**Lab contact hours:** 2

**Typically offered:** Upon demand

[Projected offerings](#)

## **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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **MAT 640 Thermodynamics of Materials**

*Prerequisite: PHY 343 or CHM 506 or CHM 606.*

Review of classical thermodynamics, equilibrium in thermodynamic systems, the statistical

### **MAT 760 Experiments in Physical Characterization**

*Prerequisite: MAT 651.*

Laboratory techniques in electronic, optical, and thermal characterization of materials. Students will become familiar with equipment and procedures used in research and commercial laboratories.

**Credit hours:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Spring

[Projected offerings](#)

### **MAT 770 Vapor Synthesis of Materials**

Experimental techniques in the vapor deposition of thin film materials used in the electronics industry. Some modification of the resulting films including chemical doping and ion implantation will also be studied. Experimental methods including computer control and analysis will be studied.

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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

**Credit hours: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **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: 1 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Spring

[Projected offerings](#)

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

**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: 1-6 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

**PHY 609 Special Topics in Physics and****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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## 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:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

## 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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

## PHY 785 Physics Laboratory for Teachers

*Prerequisite: permission.*

Performance and analysis of secondary laboratory experiments in physics.

**Credit hours:** 3 **Lecture contact hours:** 1

**Lab contact hours:** 4

**Typically offered:** Upon demand

[Projected offerings](#)

## 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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

## 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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

**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: 1-6    Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Materials Science

## Graduate programs

### Master of Science, Materials Science

#### Kartik Ghosh, Graduate Director

Kemper Hall, Room 103G; Phone 417-836-6205

[KartikGhosh@missouristate.edu](mailto:KartikGhosh@missouristate.edu)

#### Program Description

The Materials Science degree is designed to provide the graduate with a suitable background for employment in the exciting field of electronic materials. Specifically, students will receive experience in high-technology materials synthesis and characterization, including the operation and design of the equipment used to make integrated circuits.

This degree was designed for students with good experimental skills, but little practical knowledge of specific instrumentation. 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 760](#) Experiments in Physical Characterization
  - [MAT 770](#) Vapor Synthesis of Materials
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: [BMS 614](#), Scanning Electron Microscopy 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 Science 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 640](#), [MAT 651](#) and [MAT 681](#).

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.

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.



# Secondary Education: Natural Science Area of Emphasis

## 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](#).

### 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.

Courses from one of the above disciplines	9 hrs
Courses from a second of the above disciplines	6 hrs
<b>Total</b>	<b>15 hrs</b>

# Secondary Education: Physics Area of Emphasis

## Graduate programs

### **Master of Science in Education, Secondary Education: Physics Area of Emphasis**

Contact area of emphasis advisor to be named.

See program requirements for the [MSEd, Secondary Education](#).

### **Physics requirements**

Physics course work with a minimum of 3 hours in courses numbered 700 or above to **total 15 hours**.

# Interdisciplinary Graduate Programs

## Programs

✚Includes accelerated master's option

### Master's programs

[Public Health](#) (MPH)✚

[Interdisciplinary Studies](#) (MS)

[Administrative Studies](#) (MS)

[Secondary Education](#) (MSEd)

### Certificates

[Administrative Studies](#) (Certificate)

[Individualized 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 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.

## Contact

Julie Masterson, Associate  
Provost and Dean of the  
Graduate College

### Office

Carrington Hall, Room 306

### Phone

417-836-5335

### Fax

417-836-6888

Three graduate programs, the Master of Science in Administrative 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.

**Email**

[GraduateCollege@missouristate.edu](mailto:GraduateCollege@missouristate.edu)

# Public Health

## Graduate programs

### Master of Public Health

**David Claborn**, Interim Program Director

Physical Therapy Building, Suite 112

Phone: 417-836-8850

[davidclaborn@missouristate.edu](mailto:davidclaborn@missouristate.edu); <http://www.missouristate.edu/mph/>

### 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. GRE scores must be sent to Missouri State University from the Educational Testing Service (Institution code: 6665). 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 College 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.

## Admission procedures

The personal statement of professional goals, and letters of recommendation are to be sent directly to the MPH Program office. Note: Letters of recommendation are to be sent directly from the recommender(s) or, if sent with the letter of application, **must be individually sealed** with signatures across envelope flap.

All other application materials are to be sent directly to the Graduate College (for domestic applicants) or International Services (for international applicants).

## Degree requirements

The MPH program requires completion of 42 credit hours and includes the following:

### *Public Health Core Courses (15 hrs)*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 720</u></a>	Epidemiology	3 hrs
<a href="#"><u>PBH 730</u></a>	Biostatistics for Health Sciences	3 hrs
<a href="#"><u>PBH 740</u></a>	Health Behavior	3 hrs
<a href="#"><u>PBH 745</u></a>	Environmental Health	3 hrs
<a href="#"><u>PBH 775</u></a>	Principles and Skills of Public Health Administration	3 hrs

### *Other Required Courses (15 hrs)*

Course Code	Course Title	Credit Hours
<a href="#"><u>PBH 735</u></a>	Software Applications and Data Sources in Public Health	3 hrs
<a href="#"><u>PBH 756</u></a>	Introduction to Public Health	3 hrs
<a href="#"><u>PBH 760</u></a>	Research Methods in Public Health	3 hrs
<a href="#"><u>PBH 783</u></a>	International Health and Infectious Disease	3 hrs

MGT 701

Health Services Organization

3 hrs

*Elective Courses (6 hrs\*)*

\*Select two courses with consent of program advisor

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

*Field and Capstone Experience (6 hrs)*

Course Code	Course Title	Credit Hours
<u>PBH 798</u>	Public Health Field Experience	6 hrs
<u>PBH 799</u> <b>and</b> <u>PBH 798</u>	Capstone Project in Public Health <b>and</b> Public Health Field Experience	3 hrs <b>and</b> 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](#) 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](#) - 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.

# Administrative Studies

## Graduate programs

### Master of Science, Administrative Studies

**Gerald Masterson**, Program Director

JDMorris Center, Room 413

Phone: 417-836-6194

[msas@missouristate.edu](mailto:msas@missouristate.edu)

<http://msas.missouristate.edu/>

#### Program description

The Master of Science in Administrative Studies is a cross-disciplinary program which features enhancement of administrative abilities with options in [Applied Communication](#), [Criminal Justice](#), [Environmental Management](#), [Homeland Security](#), [Producing and Screenwriting](#), [Sports Management](#) or an Individualized Option. 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 basic premise of the program is that for individuals to be effective in their career paths, they need to build from a core of courses designed to impart various skills common to effective administration and successful goal achievement. Hence, all students will take courses that build competencies in Communication, Personnel Issues, Information Systems, Legal/Political Issues, Budgeting, and Research Design/Methods. For the additional 12 hours of the program, students will select, with advisement, a discipline-option option that focuses on one application of administrative services.

The Master of Science in Administrative Studies may be taken via the Internet. All of the required 24 hours of core courses and the Communication, Criminal Justice, Homeland Security and Sports Management options are available over the Internet. Currently, the 12-hour Environmental Management option is available only on campus. The Individualized option would depend on the selection of courses chosen.

#### Admission requirements

The Master of Science in Administrative Studies is designed for mature 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.

In addition, students accepted into the program must have completed:

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 course work. Applicants with a GPA less than 3.00 must submit a combined score of 290 on the verbal and quantitative sections of the GRE, or equivalent GMAT; or be willing to take 9 hours as a Non-Degree Seeking student and maintain a 3.00 in those courses.;
3. an up-to-date Resume and a written statement of goals for and interest in the degree submitted to the MSAS program director. This written statement will be reviewed to assess the applicant's motivation and commitment to complete the graduate degree and as evidence of writing skill necessary to succeed in the program;
4. two letters of recommendation from individuals able to speak to the applicants academic and professional abilities and potential to succeed in the program (submitted to the Program Director);
5. admission application (all materials) deadline is 35 days prior to the start of the term.
6. all additional University and Graduate College requirements for admission to a degree program.

### **Degree requirements (minimum of 33 hours)**

For core courses, select one course from each of the top two (2) rows in the table below, and then select five (5) additional courses from the five of the six other rows of the table. Note that some courses may have prerequisites and/or require "permission" from the instructor, such that not every course in the table is available to all MSAS students. When a program of study is generated, including core and option courses, the following two limitations for the degree must be observed:

- Only 3 courses in this degree can be from the College of Business (COB)
- Eighteen (18) credits (generally 6 classes) must be taken at the 700-level

#### **1. Core requirements (21 hours)**

<b>Program Objectives</b>	<b>Suggested Courses</b>	<b>Approved Alternative Courses (contact instructor for more information)</b>
Read, understand, and balance the budget for the organizations in which they are employed. <b>[REQUIRED]</b>	<a href="#"><u>ACC 600*</u></a> or <a href="#"><u>PLS 756*</u></a>	<a href="#"><u>ACC 632</u></a> , <a href="#"><u>ACC 688*</u></a> , <a href="#"><u>ACC 711*</u></a> , <a href="#"><u>FIN 600</u></a> , <a href="#"><u>FIN 682</u></a> , <a href="#"><u>FIN 788</u></a>

Understand and practice appropriate legal/regulatory and ethical issues in the context of the work environment. <b>[REQUIRED]</b>	<a href="#">PLS 651*</a>	<a href="#">LAW 600</a> , <a href="#">LAW 632</a> , <a href="#">LAW 637</a> (for Environmental Management), <a href="#">PLS 778</a> , <a href="#">COM 619</a>
Select, train, evaluate and terminate employees under their supervision.	<a href="#">PSY 776*</a>	<a href="#">PLS 752</a> , <a href="#">MGT 704</a>
Design research projects to collect information to assess the effectiveness of current practices, and interpret the results of a statistical analysis of data, and use this to make informed decisions.	<a href="#">COM 718*</a>	<a href="#">SFR 780*</a> , <a href="#">HLH 700</a> , <a href="#">PBH 730**</a> , <a href="#">PBH 760*</a> , <a href="#">PLS 676</a>
Identify and employ effective communication appropriate to the work environment, within or between work entities.	<a href="#">COM 736*</a>	<a href="#">BUS 650*</a> , <a href="#">MGT 706</a>
Understand, utilize, and adapt to the technologies common in their work environments	<a href="#">CIS 600*</a>	<a href="#">CIS 761*</a>
Understand the culture, behavior, diversity and structure of organizations.	No particular recommendation	<a href="#">PLS 753</a> , <a href="#">PLS 761*</a> ; <a href="#">COM 617*</a>
Understand the basic processes of grant writing and grant administration	<a href="#">ENG 672*</a>	<a href="#">MED 762*</a> , <a href="#">COM 718*</a>

\* Offered at least once a year in an online format

\*\* Offered at least once every two years in online format

## 2. Research methods/research requirement

- a. *Research Methods Requirement.* The research methods requirement is satisfied by completing [COM 718](#) Applied Communication Research Methods (or approved substitution course [SFR 780\\*](#), [HLH 700](#), [PBH 730\\*\\*](#), [PBH 760\\*](#), or [PLS 676](#)), in the required core.
- b. *Research Requirement.* MSAS students are expected to demonstrate research and writing proficiency appropriate to their career path and program emphasis. Scholarly projects are required within the option area and a research methods course to satisfy this requirement. Students will complete a significant project as a capstone experience in an option area course.

## 3. Comprehensive examination

This examination must be passed by the candidate before a degree will be given. Please note that comprehensive examinations are regularly administered in the fall and spring semesters with some option areas being available in the summer semester. See the MSAS website for more information.

#### 4. Option areas (12 hours)

Seven formal options exist for the Master of Science in Administrative Studies. Students must complete a minimum of 12 credit hours in an option. Options include Communication, Criminal Justice, Environmental Management, Homeland Security, Producing and Screenwriting, Project Management, Sports Management and an Individualized Option. Under special circumstances and close supervision of the Program Director, students may be allowed to develop a specialized course of study to complete the option area of the degree.

##### Applied Communication option

Choose any of the following courses:

Course Code	Course Title	Credit Hours
<a href="#"><u>COM 611</u></a>	Conflict and Communication	3 hrs
<a href="#"><u>COM 617</u></a>	Communication and Diversity in the Workplace	3 hrs
<a href="#"><u>COM 619</u></a>	Ethical Issues in Communication	3 hrs
<a href="#"><u>COM 732</u></a>	Theories and Concepts of Small Group Communication	3 hrs
<a href="#"><u>COM 713</u></a>	Media Resources for Organizations	3 hrs

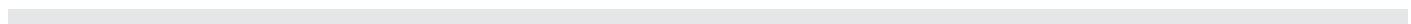
##### Criminal Justice option

Complete the following courses:

Course Code	Course Title	Credit Hours
<a href="#"><u>CRM 701</u></a>	Criminal Justice Policy	3 hrs
<a href="#"><u>CRM 740</u></a>	Foundations of Homeland Defense and Security	3 hrs
<a href="#"><u>CRM 750</u></a>	Law Enforcement and Community	3 hrs
<a href="#"><u>CRM 770</u></a>	Correctional Theory and Practice	3 hrs

##### Environmental Management option

Required (6 hours):



Course Code	Course Title	Credit Hours
<a href="#">GRY 731</a>	Environmental Assessment	3 hrs
<a href="#">ECO 640</a>	Economics of the Environment	3 hrs

Elective hours (6 hours chosen in consultation with advisor):

Course Code	Course Title	Credit Hours
<a href="#">BIO 632</a>	Principles of Fisheries Management	3 hrs
<a href="#">BIO 662</a>	Limnology	3 hrs
<a href="#">BIO 689</a>	Game Management	3 hrs
<a href="#">BIO 726</a>	Advanced Limnology Methods	3 hrs
<a href="#">CHM 660</a>	Chemistry of Environmental Systems: Water & Land	3 hrs
<a href="#">PLN 671</a>	Land Use Planning	3 hrs
<a href="#">PLN 674</a>	Open Space Planning	3 hrs
<a href="#">GRY 748</a>	Physiography and Resource Planning	3 hrs
<a href="#">PLN 670</a>	Planning Law	3 hrs

### Homeland Security option

Complete the following courses:

Course Code	Course Title	Credit Hours
<a href="#">CRM 740</a>	Foundations of Homeland Defense and Security	3 hrs
<a href="#">CRM 745</a>	Topics in Homeland Defense and Security	3 hrs
<a href="#">PLS 717</a>	Multidisciplinary Approaches to Homeland Security	3 hrs
<a href="#">PLS 719</a>	Strategic Planning and Organizational Imperatives in Homeland Security	3 hrs

### Producing and Screenwriting option



Select four courses (12 hours from the following):

Course Code	Course Title	Credit Hours
<a href="#"><u>MED 660</u></a>	Beginning Screenwriting	3 hrs
<a href="#"><u>MED 667</u></a>	Screenwriting	3 hrs
<a href="#"><u>MED 668</u></a>	Writing for Television	3 hrs
<a href="#"><u>MED 669</u></a>	Rewriting Film and Television Scripts	3 hrs
<a href="#"><u>MED 671</u></a>	Writing the Web Series	3 hrs
<a href="#"><u>MED 672</u></a>	Advanced Screenwriting	3 hrs
<a href="#"><u>MED 762</u></a>	TV/Film Producing and Marketing	3 hrs
<a href="#"><u>MED 792</u></a>	Independent Study (with permission of Director & Coordinator)	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 MSAS program.

Required Courses (15 hours):

Course Code	Course Title	Credit Hours
<a href="#"><u>KIN 739</u></a>	Principles of Sports Management	3 hrs
<a href="#"><u>KIN 780</u></a>	Legal Aspects in Sports, Physical Education, Recreation, and Wellness Programs	3 hrs
<a href="#"><u>KIN 733</u></a>	Current Problems in Sports Administration	3 hrs

**Individualized option**

Under special circumstances and close supervision of the Program Director, students may be allowed to develop a specialized course of study to complete the option area of the degree.

# Interdisciplinary Studies

## Graduate programs

### Master of Science, Interdisciplinary Studies

**Tom Tomasi**, Program Director

Graduate College, CAR 306

Phone: 417-836-5335

[TomTomasi@missouristate.edu](mailto:TomTomasi@missouristate.edu)

<http://msis.missouristate.edu/>

### Program description

Missouri State University offers an innovative interdisciplinary program at the Masters level for students who find traditional masters degrees or formally designed options do not meet their unique, creative, and professional needs or 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 to the MSIS Program Coordinator from individuals able to speak to the applicants academic and professional abilities and potential to succeed in the program;
4. Statement of Interest in narrative form submitted to the MSIS Program Coordinator;
5. There must be a clear, well-defined Program of Study established in writing by the student in

consultation with the student's Program Committee (see below).

## **Degree requirements (Minimum of 36 hours) – No more than 9 hours can be taken from the College of Business)**

### **Core Courses**

<b>Course Type</b>	<b>Description</b>	<b>Credit Hours</b>
Introduction to Graduate School	Should be taken in one of the areas of the program. Examples <a href="#">COM 701</a> , <a href="#">MUS 700</a> , <a href="#">CFD 701</a> , <a href="#">BMS 700</a> , <a href="#">GEO 700</a> , <a href="#">BIO 794</a> or others)	1-3 hrs
Research Methods	Variety of courses available	1-3 hrs
Research Experience	Thesis or Non-Thesis (paper, project or performance)	2-6 hrs
Primary Area Coursework	Selected courses	12 hrs
Secondary Area	Courses taken outside primary area	12 hrs
Additional Electives	Courses taken to meet the minimum 36 hour requirement	0-8 hrs

### **Additional Degree Requirements**

1. A comprehensive examination must be passed before the degree is granted. Questions from each of the disciplines will be included on the exam.
2. All other University and Graduate College requirements must be met for completion of a degree program.

### **Area of Emphasis**

Additional coursework, in consultation with the student's Program Committee, must be selected from 600-level and above to meet the minimum number of required hours with at least 50% of the courses selected from 700-level courses.

### **Establishing a Program Committee**

With assistance from the MSIS Program Coordinator, the student must seek out and identify a prospective Program Committee of 2 graduate faculty, at least one faculty member from each of the program areas combined in the interdisciplinary degree (approved by the MSIS Oversight Committee). If a thesis option is selected, a 3<sup>rd</sup> member is required. The MSIS Program Coordinator will serve as an ex-officio member of this committee.

### **Additional Information**

1. This program recognizes the versatile, interactive, and ever-evolving world in which we live; and that 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. This program offers both research and writing opportunities at an advanced level.
4. If the student elects to complete a thesis, the major advisor must come from the department in which the primary area (most number of credit hours) of coursework is completed. The thesis must follow the University Thesis Guide, using a secondary style guide dictated by the program of primary focus.

# Secondary Education

## 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 complete any required prerequisite courses. Such courses do not count toward completion of the degree requirements. 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).

#### Degree requirements (33 hours total)

##### 1. Required Core Courses (6 hours)

- a. [SFR 750](#) Philosophies of Education
- 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 650](#) 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 numbers 1 through 6 above in conference with, and approval of, the degree advisor.

### 3. **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 certification area ([SFR 799](#) or thesis course in the emphasis area). Students must obtain their program director and/or advisor approval for their thesis course(s).
- 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.

### 4. **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 emphases is limited and may not be offered every semester. Students should check with the advisor as to availability of specific course offerings.

## **Comprehensive examinations**

A comprehensive examination 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 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; and, professional assignments in which the advisee hopes to be involved in the future.

The seminar paper or original work must be approved by the advisor from the area mentoring the project. The advisor will determine the number of copies of the seminar paper or original work to be submitted.

## Emphasis areas

Students may earn degrees in the following emphasis areas (the advisor is listed in each area):

Agriculture - James Hutter

Art - Steve Willis

Biology - Georgiana Saunders, Dr. Janice Greene

Business - Glenna Vanderhoof - - **Admission to this Emphasis Area has been suspended**

Chemistry - Bryan Breyfogle

Earth Science - Melida Gutierrez

English - Danielle Lillge (includes accelerated master's option)

Family and Consumer Sciences - Debra Price

Geography - Jill Black

History - Jamaine Abidogun (includes accelerated master's option)

Mathematics - to be named (includes accelerated master's option)

Natural Science - Tamera Jahnke

Physical Education - Amanda Perkins - - **Admission to this Emphasis Area has been suspended**

Physics - to be named

Social Science - Jamaine Abidogun

Speech and Theatre - Chris Herr



# Certificate in Administrative Studies

## Graduate program

### Administrative Studies Certificate

**Gerald Masterson**, Program Director

JDMorris Center, Room 413

Phone: 417-836-6194

[msas@missouristate.edu](mailto:msas@missouristate.edu)

<http://msas.missouristate.edu/>

#### Program description

The Graduate Certificate in Administrative 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 15-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 Administrative 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 2.75 on a 4.00 scale for the last 60 hours of course work (this is the minimum GPA for admission, but is not sufficient in itself). A GPA of 3.00 is considered evidence that an applicant can handle graduate work and is preferred. Applicants for the Graduate Certificate in Administrative Studies program with a GPA less than 3.00 are strongly encouraged to submit other indicators of their potential to succeed, such as GRE/GMAT scores, evidence of a strong work experience, portfolio, etc.;
3. An up-to-date resume submitted to the MSAS Program Director;

4. All additional University and Graduate College requirements for admission to a certificate program.

For additional information or help with the application process, contact Graduate Admissions, 417-836-5331.

## Certificate Requirements - 15 hours

1. The student must complete the [Certificate Plan of Study](#) form and submit to the Program Director of the Graduate Certificate in Administrative Studies for final approval during the first semester of coursework.
2. The student must complete the certificate program with at least a 3.00 GPA.
3. All courses identified for this certificate must be at the 600-level or above.
4. There is an 8-year time limit for completing the certificate program.

Select one class from each of the top two (2) rows in the table below, and then select three (3) additional classes from three of the six other rows. Note that some classes may have prerequisites and/or require "permission" from the instructor, and not all are available in both online and seated formats, such that not every class in the table is available to all students. Only 3 classes in this certificate program can be from the College of Business.

Certificate Program Objectives	Suggested Courses	Approved Alternative Courses (contact instructor for more information)
Read, understand, and balance the budget for the organizations in which they are employed. <b>[REQUIRED]</b>	<a href="#">ACC 600*</a> or <a href="#">PLS 756*</a>	<a href="#">ACC 632</a> , <a href="#">ACC 688*</a> , <a href="#">ACC 711*</a> , <a href="#">FIN 600</a> , <a href="#">FIN 682</a> , <a href="#">FIN 788</a>
Understand and practice appropriate legal/regulatory and ethical issues in the context of the work environment. <b>[REQUIRED]</b>	<a href="#">PLS 651*</a>	<a href="#">LAW 600</a> , <a href="#">LAW 632</a> , <a href="#">LAW 637</a> (for Environmental Management), <a href="#">PLS 778</a> , <a href="#">COM 619</a>
Select, train, evaluate and terminate employees under their supervision.	<a href="#">PSY 776*</a>	<a href="#">PLS 752</a> , <a href="#">MGT 704</a>
Design research projects to collect information to assess the effectiveness of current practices, and interpret the results of a statistical analysis of data, and use this to make informed decisions.	<a href="#">COM 718*</a>	<a href="#">SFR 780*</a> , <a href="#">HLH 700</a> , <a href="#">PBH 730**</a> , <a href="#">PBH 760*</a> , <a href="#">PLS 676</a>

Identify and employ effective communication appropriate to the work environment, within or between work entities.	COM 736*	BUS 650*, MGT 706
Understand, utilize, and adapt to the technologies common in their work environments	<u>CIS 600*</u>	<u>CIS 761*</u>
Understand the culture, behavior, diversity and structure of organizations.	No particular recommendation	<u>PLS 753, PLS 761*</u> : <u>COM 617*</u>
Understand the basic processes of grant writing and grant administration	<u>ENG 672*</u>	<u>MED 762*</u> , <u>COM 718*</u>

\* Offered at least once a year in an online format

\*\* Offered at least once every two years in online format

# Individualized Studies

## Graduate programs

### Individualized Graduate Certificate

**Tom Tomasi**, Program Director

Carrington Hall, Room 306

Phone: 417-836-5335

[TomTomasi@missouristate.edu](mailto:TomTomasi@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 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.

### 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. The student must have a GPA of 3.00 on a 4.00 scale for the last 60 hours of coursework.
3. The student must [submit an application](#)
4. The student must submit to the Program Coordinator of the Individualized Graduate Certificate program a letter describing:
  - a. why existing programs do not meet the desired academic focus

- b. the intended "theme" for the courses to be included in the certificate
- c. a list of tentative classes, which must have a clear tie to the applicant's theme.

For the latter, assistance can be obtained from the Program Coordinator, and/or the Individualized Certificate Committee.

5. The student must submit to the Program Coordinator of the Individualized Graduate Certificate program for approval the name of a faculty member willing to serve as his/her advisor who is associated with one of the departments involved in the class list. Assistance in identifying this advisor can be obtained from the Program Coordinator, and/or the Individualized Certificate Committee.

#### 6. Application Fee

- For first-time degree-seeking graduate students, pay the \$35 non-refundable graduate application fee.
- Students applying online will be prompted to pay the fee by credit card or electronic check.
- Applicants are not required to pay the application fee if they have completed Graduate courses at Missouri State University as a Graduate student.
- NOTE: applications will not be processed if the graduate application fee has not been paid.

#### 7. Transcript

- 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.
- NOTE: Transcripts are not considered official unless they are received directly from the institution where the course work was completed. A transcript that is hand-delivered by a student is considered unofficial even if it does have a 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.

Acceptance into this certificate program does not imply acceptance into any other Missouri State University masters or doctoral program.

## Certificate requirements

1. The student must complete the Certificate Plan of Study form located on the Graduate College website, and submit to the Individualized Certificate Committee for final approval during the first semester of coursework.
2. The student must complete 12 credit hours of graduate course work approved by the Individualized Certificate Committee.
3. The student must complete the certificate program with at least a 3.00 GPA.
4. All courses identified for this certificate must be at the 600-level or above.

## Contact Information

For more information about the Individualized Certificate contact [Dr. Tom Tomasi](#) in the Graduate College (417-836-5335).

## Other information

1. There is an 8-year time limit for completing the certificate.
2. The student will complete an exit interview with the Individualized Graduate Certificate Committee.

# Department of Library Science

## Programs

No Graduate programs in Library Science are offered at this time.

## Contact

### Dean

Thomas A. Peters

### Office

Meyer Library, Room 302

### Phone

417-836-4525

### Fax

417-836-4764

### Email

[CrystalGale@missouristate.edu](mailto:CrystalGale@missouristate.edu)

### Website

<http://libraryscience.missouristate.edu>

# Library Science Graduate Faculty

## Clinical associate professor

William Bill Edgar, PhD

## Emeritus professor

Jenny B (J.B.) Petty



# William H. Darr School of Agriculture

## Programs

✚Includes accelerated master's option

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### Master's programs

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

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

[Plant Science](#) (MS)✚

## General Information

At the William H. Darr School 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 School 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](#) 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

#### Contact

**Interim Department head**  
W. Anson Elliott

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Karls Hall, Room 201

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417-836-5638

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[Agriculture@missouristate.edu](mailto:Agriculture@missouristate.edu)

**Website**  
[ag.missouristate.edu/](http://ag.missouristate.edu/)

improving human health.

## Darr Agricultural Center

Missouri State's [William H. Darr Agricultural Center](#), located on a 100-acre site in southwest Springfield, is a unique asset that supports the School 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](#), 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.

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.

# Agriculture Graduate Faculty

## Professors

[Michael G. Burton](#)

[Chin-Feng Hwang](#)

[Martin L. Kaps](#)

[Wenping Qiu](#)

[Arbindra P. Rimal](#)

[Gary W. Webb](#)

[Karl L. Wilker](#)

## Associate professors

[Clydette Alsup](#)

[James B. Hutter](#)

[Benjamin M. Onyango](#)

[Elizabeth L. Walker](#)

## Assistant professors

[Michael Goerndt](#)

[Melissa D. Hudson](#)

[Phillip Lancaster](#)

[Sarah Lancaster](#)

[Maciej Pszczolkowski](#)

[Melissa Remley](#)

## Adjunct faculty

[Michael A. Brown](#)

## Emeritus professors

[W. Anson Elliott](#)

[Ben D. Fuqua](#)

Lyndon N. Irwin

[Harry R. James](#)

James F. Moore, Jr.

[Michael P. Roling](#)

[Dennis Schmitt](#)

J.N. Smith

Howard G. Townsend, Jr

[Pamela Trewatha](#)

# Agriculture 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: 3   Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 3   Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

### **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: 3   Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Fall, Spring  
[Projected offerings](#)

## Agricultural Education (AGE) courses

### **AGE 608 Teaching Adults in Vocational**

### **AGE 668 Course and Program Building in**

**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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand  
[Projected offerings](#)

**AGE 628 Agriculture Education-Special Topics**

*Prerequisite: permission of instructor.*

Special study of agricultural education topics not covered in other courses. Course may be repeated to a total of 5 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: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

**AGE 648 Agriculture in the Classroom****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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

**AGE 688 Methods of Teaching Agricultural Laboratory Management**

*Prerequisite: AGE 318 and AGE 658.*

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: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Summer  
[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring  
[Projected offerings](#)

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: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Spring  
[Projected offerings](#)

### **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 9 hours will count towards the graduate program of study.

**Credit hours: 1-3 Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand  
[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

### **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: 2 Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring

[Projected offerings](#)

## **Agricultural Natural Resources (AGN) courses**

### **AGN 605 Soil Fertility and Plant Nutrition**

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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3 Lecture contact hours: 2**

**Lab contact hours: 2**



**Typically offered:** Upon demand

[Projected offerings](#)

### **AGN 725 Advanced Soils Interpretations**

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

**Credit hours: 3 Lecture contact hours: 2**

**Lab contact hours: 3**

**Typically offered:** Upon demand

[Projected offerings](#)

## **Agricultural Plant Science (AGP) courses**

### **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: 3 Lecture contact hours: 1**

**Lab contact hours: 4**

**Typically offered:** Fall

[Projected offerings](#)

### **AGP 633 Crop Physiology**

Recommended Prerequisite: AGP 103 or BIO 101 and 111; 3 hours additional AGP or BIO plant

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **AGP 643 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. Supplemental course fee. May be taught concurrently with AGP

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

### **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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

573. Cannot receive credit for both AGP 643 and AGP 573.

**Credit hours: 3    Lecture contact hours: 2**

**Lab contact hours: 2**

**Typically offered:** Spring (odd-numbered years)

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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. Supplemental course fee. May be taught concurrently with AGP 543. Cannot receive credit for both AGP 663 and AGP 543.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

### **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 2 hours may be counted toward the MS degree.

**Credit hours: 1    Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Fall, Spring, Summer

[Projected offerings](#)

### **AGP 711 Viticulture**

Recommended Prerequisite: BIO 644. Principles of growing grapes based upon the genetics, physiology, development and morphology of the genus *Vitis*; the environments in which grapes are grown; and the uses of grapes.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **AGP 721 Enology**

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

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **AGP 675 Plant Breeding and Genetics**

Recommended Prerequisite: AGP 103 or AGN

**Typically offered:** Spring

[Projected offerings](#)

### **AGP 722 Enology Lab**

*Prerequisite: AGP 721.*

Laboratory techniques in assessing wine production methods and quality.

**Credit hours:** 2 **Lecture contact hours:** 0

**Lab contact hours:** 4

**Typically offered:** Fall

[Projected offerings](#)

### **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 total of 6 hours with differing topics.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall

[Projected offerings](#)

### **AGP 731 Plant Genetic Engineering**

*Prerequisite: permission of instructor.*

Principles, methodology, and commercial applications of plant biotechnology. Includes brief

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: 2    Lecture contact hours: 2**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 1    Lecture contact hours: 0**

**Lab contact hours: 2**

**Typically offered:** Spring

[Projected offerings](#)

### **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.

introduction to nucleic acid structure, gene regulation, and genome organization in eukaryotic and prokaryotic organisms.

**Credit hours: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Spring

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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: 3    Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### **AGP 783 Advanced Plant Pathology**

**Credit hours: 2 Lecture contact hours: 1**

**Lab contact hours: 2**

**Typically offered:** Fall

[Projected offerings](#)

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 783 and AGP 583.

**Credit hours: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Fall

[Projected offerings](#)

## Agriculture (AGR) courses

### 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: 3 Lecture contact hours: 3**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### 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 total of three hours.

**Credit hours: 1 Lecture contact hours: 1**

**Lab contact hours: 0**

**Typically offered:** Upon demand

[Projected offerings](#)

### AGR 798 Research

*Prerequisite: permission of instructor.*

**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:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

Supervised research in agriculture. May be repeated, but not more than 6 hours may be counted toward the 32 hour degree.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

**AGR 799 Thesis**

*Prerequisite: permission of instructor.*

Demonstration of the capacity for research and independent thought culminating in a thesis. May be repeated. A maximum of 6 hours will be applied toward a master's degree.

**Credit hours:** 1-6 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Fall, Spring, Summer  
[Projected offerings](#)

**Animal Science (AGS) courses****AGS 611 Animal Nutrition and Metabolism**

Recommended Prerequisite: AGR 300 or [CHM 201 and 202] or CHM 310. 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:** 3 **Lecture contact hours:** 3

**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 when topic varies up to 6 hours.

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

### **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:** 2 **Lecture contact hours:** 2

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

## **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

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Spring

[Projected offerings](#)

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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Fall

[Projected offerings](#)

## **Agricultural Vocational (AGV) courses**



**AGV 620 Occupational Analysis**

Analysis and breakdown of broad occupations or specific jobs into basic elements for instructional purposes. Identical with BSE 620. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 520. Cannot receive credit for both AGV 520 and AGV 620.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**AGV 622 Philosophy of Vocational Education**

Philosophical foundations of vocational education; philosophies of vocational education in the contemporary school. Identical with SEC 622 and

**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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

**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 BSE 628 and SEC 628. May be repeated to a total of 3 hours with departmental approval when topic varies. May be taught concurrently with AGV 528. Cannot receive credit for both AGV 528 and AGV 628.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

BSE 622. May be repeated to a maximum of 3 hours when topic varies. May be taught concurrently with AGV 522. Cannot receive credit for both AGV 522 and AGV 622.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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. Identical with BSE 623. May be repeated to a total of 3 hours when topics varies. May be taught concurrently with AGV 523. Cannot receive credit for both AGV 523 and AGV 623.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 3 **Lecture contact hours:** 3

### **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:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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 total of 3 hours when topic varies.

**Credit hours:** 1-3 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

### **AGV 726 Seminar in Industrial Education**

*Prerequisite: permission of instructor.*

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **AGV 626 Coordination of Cooperative**

#### **Education**

Problems and procedures in organizing and operating part-time cooperative and evening occupation programs. Identical with BSE 626 and SEC 626. May be repeated to a total of 2 hours when topic varies. May be taught concurrently with AGV 526. Cannot receive credit for both AGV 626 and AGV 526.

**Credit hours:** 1-2 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

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

**Credit hours:** 3 **Lecture contact hours:** 3

**Lab contact hours:** 0

**Typically offered:** Upon demand

[Projected offerings](#)

### **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:** 1-5 **Lecture contact hours:**

**Lab contact hours:**

**Typically offered:** Upon demand

[Projected offerings](#)

# Natural and Applied Science (Interdisciplinary Program)

## Graduate programs

### Natural and Applied Science

**Director: Erich Steinle**

Temple Hall, room 142, Phone 417-836-6150

Email: [ESteinle@MissouriState.edu](mailto:ESteinle@MissouriState.edu)

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

### 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, AND a score on the Graduate Record Examination (GRE) meeting or surpassing the minimum score prescribed by the MSU Graduate Catalog for admission to graduate study.
3. The student must submit a Statement of Interest and at least two Letters of Recommendation; submit these directly to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest.
4. International applicants are also required to submit a score of not less than 550 on the paper-based or a comparable score of 213 on the computer-based TOEFL, with a minimum of 50th percentile on the Listening Comprehension Section.
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>) are to be submitted to the MNAS Program Director, or Darr School of Agriculture if Agriculture is the primary area of interest. 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 School 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, CIS 600, FIN 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 bachelors 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.



# Plant Science

## Graduate programs

### Master of Science, Plant Science

#### Wenping Qiu, Program Director

Forsythe Hall, Room 201; Phone (417) 547-7517

[Wenpingqiu@missouristate.edu](mailto:Wenpingqiu@missouristate.edu)

#### Sarah Lancaster, Accelerated Master's Program Director

Karl's Hall, Room 216; Phone (417) 836-5087

[sl2004@missouristate.edu](mailto:sl2004@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 Agriculture, Biology, Chemistry, and Fruit Science. 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, entomology 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 (See Admission to Graduate Study under Graduate College section of catalog). 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 550 on the paper-based or a comparable score of 213 on the computer-based with a minimum of 50th percentile on the Listening Comprehension Section.
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 Agriculture, 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.

# Secondary Education: Agriculture Area of Emphasis

## Graduate programs

### Master of Science in Education, Secondary Education: Agriculture Area of Emphasis

Contact area of emphasis advisor Dr. James Hutter.

See program requirements for the [MSEd, Secondary Education](#).

### Agricultural requirements

<a href="#">AGE 718</a> Topics in Agricultural Education	3 hrs
Additional course work in Agriculture	12 hrs
<b>Total</b>	<b>15 hrs</b>