

Missouri Western State University

Undergraduate Catalog 2014-2015

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The University

With its roots in a five-county region of northwest Missouri, Missouri Western State University has proudly served the higher education needs of its constituencies since 1915. Originally founded as St. Joseph Junior College, Missouri Western was transformed into a four-year college in 1969 and became a full member of the State of Missouri system in 1977. In 2005, it was designated a university. Today, more than 180 faculty members teach in technologically up-to-date instructional facilities, and excellent recreational facilities are complemented by a beautifully landscaped campus. Enrollment is nearly 6000 students.

Missouri Western is a four-year, state-supported institution providing a variety of degree programs through the college of liberal arts and sciences, and the college of professional studies, and the Craig School of Business. The university is authorized under Missouri statutes to offer professional master's degrees, four-year baccalaureate programs, two-year associate degrees, pre-professional transfer programs and one-year certificates. In addition, the university offers continuing education courses, seminars, conferences and workshops suited to the needs of the community and serving groups throughout the nation.

VISION, MISSION AND VALUES

Vision

Missouri Western State University will set the standard for excellence in student development and community leadership.

Mission

Missouri Western State University is a learning community focused on students as individuals and as members of society. Missouri Western offers students at all stages of life the opportunity to achieve excellence in the classroom and beyond, as they prepare to be leaders in their work and in their communities. As a leader itself, Missouri Western is committed to the educational, economic, cultural and social development of the people and the region that it serves.

Values

In fulfilling our mission and pursuing our vision, we the people of Missouri Western State University hold in common these values:

Service

We share the common purpose of serving students, one another and the people of the region.

Quality

We are committed to the quality of our programs, our students, and our partnership with the people of the region.

Enthusiasm

We are enthusiastic about learning and confident that we can make a difference in the lives of students through their learning.

Freedom

We promote the free exchange of ideas that makes education liberating and democracy unique.

Respect

We act as individuals and as a campus community with respect for diversity and for the best in human potential.

Courage

We seek the challenge and adventure of shaping the future with an increasingly global perspective.



THE GRIFFON

A griffon, which is half lion and half eagle, was chosen in 1918 as the mascot of St. Joseph Junior College, the institution which later became Missouri Western State University. The mythical creature was selected because it was considered a guardian of riches, and education was viewed as a precious treasure. Its wings are spread in the shape of the state of Missouri to signify the union of the college with the state.

FOUNDATION

The Missouri Western State University Foundation was established in 1969 as an independent entity to promote private giving to help the university move into the forefront of public higher education. The Foundation encourages, holds, invests and disburses private gifts of cash, securities, appreciated assets and personal property, all toward the goal of providing services, programs and facilities that strengthen the mission of the university.

Donations and gifts may be unrestricted or restricted to target specific interests of the university including scholarships, awards, equipment grants, program funding and capital improvements or may be unrestricted to assist with the future needs that meet the goals of the institution.

Major gifts to the Foundation have contributed substantially toward the growth of the university and its continuous goal of excellence in such projects as the Fulkerson Center, the Helene G. Droher Business Development Program, Spratt Memorial Stadium, the Potter Fine Arts Gallery, improve-

improvements to the Hearnese Center, the Biology Field Station, Leah Spratt Hall, the Glenn E. Marion Memorial Clock Tower, the University Plaza, Kelley Commons, the Walter Cronkite Memorial, and the Agenstein/Remington Halls project.

Capital campaigns allow the Foundation to secure private sector resources to perpetuate the distinctive values and contributions of Missouri Western State University. Funding for the Agenstein Hall renovation and construction of Remington Hall were part of Missouri Western's most recent capital campaign, Achieving Greatness.

The Missouri Western Foundation is a tax-exempt corporation; therefore, gifts made through it are tax deductible as appropriate. Its activities are directed by an independent, volunteer board of 32 persons who work closely with the university administration to identify needs and allocate funds.

THE MISSOURI WESTERN ALUMNI ASSOCIATION

The Missouri Western Alumni Association was established in 1970 to advance the educational interests of the university. The Association provides opportunities for alumni to stay connected to Missouri Western and offers student scholarships each year.

The Alumni Association hosts Homecoming activities and reunions, senior fairs, Commencement receptions for graduates and their families, the St. Joseph Junior College brunch, student mentoring activities, and several regional alumni chapter events throughout the year.

During Homecoming week, the Association recognizes outstanding alumni, a current faculty member and a university supporter at its annual banquet. Nominations for the awards may be submitted year round on the university website.

The Association serves more than 20,000 Missouri Western alumni who reside in all 50 states as well as several foreign countries and territories. A list of alumni events and activities can be found at www.missouriwestern.edu/alumni.

MISSOURI WESTERN AMBASSADORS

The Missouri Western State University Ambassadors are composed of community and campus women who are interested in the university and what it offers to the community at large. The Ambassadors are an important bridge between the campus and community.

Through their activities, they strive to make St. Joseph and surrounding communities aware of the educational, cultural and financial benefits of Missouri Western. The major focus of the Ambassadors is to raise funds for scholarships for nontraditional students. Their fundraiser, Night at the Ritz, is held every spring, and three luncheon/meetings are held every year. For more information, contact Diane Holtz, 816-271-5651 or holtz@missouriwestern.edu.

Consumer Information

The Higher Education Opportunity Act of 2008 (HEOA) requires postsecondary institutions participating in federal student aid programs to make certain disclosures to students. Additional information pertaining to the consumer information topics listed below may be found online at www.missouriwestern.edu/scij/.

- Graduation or completion rates; transfer-out rates of undergraduate students
- Graduation or completion rates and transfer-out rates of undergraduate student athletes
- Equity in Athletics Disclosure Act (report on athletic program participation rates and financial support data)
- Annual security report (Clery Act)
- Annual fire safety report
- Copyright Infringement and Peer-to-Peer File Sharing Policies and Sanctions
- Student body diversity
- Placement of and types of employment obtained by graduates of Missouri Western's degree and certificate programs
- Retention rate as reported to IPEDS
- Vaccinations policy
- Available financial assistance
- Terms and conditions of Title IV loans
- Financial aid application procedures and methods by which financial aid is disbursed
- Rights and responsibilities of Title IV aid recipients
- Cost of attendance
- Refund policy requirements
- Requirements for the return of Title IV funds if a student withdraws from school
- Requirements for officially withdrawing from school
- Family Educational Rights and Privacy Act (FERPA) - rights regarding inspection, review and consent to disclosure of personally identifiable information
- Plans for improving our academic program (if such plans exist)
- Special facilities and services available to students with disabilities, including students with intellectual disabilities
- Information about entities that accredit, approve or license the institution and its programs
- Standards for maintaining satisfactory academic progress (SAP)

For additional information, including requesting a paper copy of any materials, please contact the appropriate office.

Admission

Howard McCauley, *Dean of Enrollment Management*

271-4266

NEW STUDENT REGISTRATION PROGRAM

The Office of Admissions offers New Student Registration Programs throughout the summer and one in January that focus on academic advising. These programs assist freshman and transfer students as they make the transition from their previous environment to Missouri Western.

GRIFFON EDGE

Griffon Edge Orientation (CED 131) is a one credit hour, 3 day comprehensive orientation program for new students at Missouri Western. This program occurs the week prior to the first week of school. Griffon Edge equips new students with comprehensive information about Missouri Western and its services to ease students' transition to higher education and the Missouri Western community.

FIRST-YEAR HOUSING REQUIREMENT

To enhance academic success, Missouri Western requires first year students who have not previously attended this University and are taking 9 or more credit hours to reside in University housing their first two semesters unless they meet at least one of the following criteria for exception:

- Are living with a parent, grandparent or legal guardian within a 50 mile radius of St Joseph (Parent signature needs to be notarized)
- Are 21 years of age by the beginning of the academic year for which they are enrolling
- Are a military veteran
- Have completed more than 30 credit hours (not including high school classes taken for college credit)
- Are married and or who reside with dependent children

All first year students must have either a housing contract or a granted waiver request on file with the Office of Residential Life. Failure to have a granted housing waiver on file will result in a room charge being placed on the student's account.

GENERAL INFORMATION

University Admission Requirements

General Studies Admission Requirements

To be regularly admitted into our General Studies program, students must have the following ACT subscores:

- 19 English ACT subscore
- 19 Reading ACT subscore
- 20 Mathematics ACT subscore

Degree-seeking students who are required to take developmental coursework (mathematics - MAT081, 082, 083; English- ENG100; or Reading- RDG095) must follow the university admissions criteria to be enrolled in such coursework their first semester at Missouri Western. Further, the student will be expected to complete those same courses continuously during subsequent semesters.

High School Core Classes

Missouri Western State University wants its students to succeed, so students need to prepare themselves academically for college and university level classes. Experience has shown that students who have completed the following high school program are most likely to succeed in college. Listed below are the high school courses required for college-bound students:

- 4 units of English, one of which may be speech or debate; two units must emphasize composition or writing
- 3 units of mathematics, including Algebra I, II and Geometry
- 2 units of sciences, including at least one lab science
- 3 units of social sciences
- 1 unit of visual/performing arts
- 3 units of electives, selected from foreign language and combinations of the above courses. Two units of foreign language are strongly recommended.

Early Application is Strongly Encouraged

New students enrolling for the first time must submit a complete application file at least three weeks before registration begins or they must pay a \$20 late application fee. The University reserves the right to rescind an offer of admission should updated or additional documentation become available.

ADMISSION CATEGORIES

Missouri Western State University serves students from a variety of educational backgrounds. Interested prospective students can identify the category under which they wish to seek admission. Specified items under the appropriate category must be submitted and on file in the Office of Admissions before students can be officially admitted. Any student desiring to take credit courses must first be admitted to the University under one of the following categories.

1. **First Time In College** - students seeking a degree who have not previously attended any college or university.
2. **College Transfer** - students transferring to MWSU from another college or university.
3. **Special Student** - students who are not seeking a degree at Missouri Western State University.
4. **Returning or Certification** - students whose last attendance at MWSU was other than in the semester prior to application or students seeking post-graduate professional certification.
5. **International Students** - students with a F1 visa status who seek a degree and have not previously attended any college or university or students with a F1 visa status transferring to MWSU from another college or university.

First Time In College (First-time Freshmen)

To be admitted in this category, applicants must provide:

1. Completed application for admission form.
2. Missouri Minimum Core Curriculum (if graduated after 5/95).
3. Official American College Test (ACT) results and profile. Students age 20 and older are not required to submit ACT scores to complete their admissions file; however, placement tests will be required in some subjects.
4. A high school transcript with a minimum of six semesters of work.
5. Official high school transcript documenting graduation or official Equivalency Certificate awarded upon successful completion of the General Education Development Test (GED) or High School Equivalency (HSE).

Automatic, Full-time Admission Criteria

Automatic, full-time admission will be granted to first-time students who meet the following criteria:

- ACT of 21 or higher OR
- SAT* of 980 or higher OR
- 3.50 High School GPA on a 4.0 Scale

Applicants who don't meet the above automatic criteria may be granted regular admission if they meet the requirements in the following sliding scale:

- 20 or 19 ACT (940 or 900 SAT*) AND 2.30 GPA or higher
- 18 or 17 ACT (860 or 810 SAT*) AND 2.50 GPA or higher
- 16 or 15 ACT (760 or 710 SAT*) AND 2.70 GPA or higher

* SAT based on sum of math and critical reading scores

Each student's academic record will be reviewed at the time of admission. Students who fall below the above requirements may be admitted with additional conditions placed on their admission based on their previous academic record. These conditions may include (but are not limited to): limited course selection, part-time enrollment, and restrictions on when a student may be allowed to register. Students who are admitted with these conditions have the right to request an individual review of their unique situation. These students must provide additional information that demonstrates their potential for academic success at MWSU, which will be outlined in their decision letter.

College Transfer

To be admitted in this category, applicants must provide:

1. Completed application for admission form.
2. Official transcript from each undergraduate college and university attended. Student transcripts received from other colleges and universities become the property of MWSU, and are not reissued to the student or to another institution.
3. If you have earned less than 24 credit hours you will be required to submit official high school transcript and ACT scores.

A transfer student who has completed an Associate of Arts degree (AA), an Associate of Arts in Teaching degree (AAT) degree, the 42-hour general education block (must be noted on the transcript or other official document), or bachelors degree from an accredited Missouri institution is considered to have satisfactorily completed MWSU's general studies requirements (some exceptions apply which will be evaluated on a course-by-course basis). Completion of general studies requirements does not waive departmental major pre-requisites. A transfer student who has completed any other degree or one outside the state of Missouri will have their courses evaluated on a course-by-course basis.

MWSU accepts unlimited lower division transfer hours (100-200 level) from accredited two-year colleges. Graduation requirements which may impact a transfer student include:

- Earn a minimum of 124 credit hours (including 60 hours from a senior college in the following departments: Art; Biology; Chemistry; Communication and Journalism; Theatre, Cinema and Dance; Computer Science, Mathematics and Physics; Economics, Political Science and Sociology; English and Modern Languages; History and Geography; Philosophy and Religion; Music; and Psychology).
 - Earn a minimum of 30 credits in upper-division coursework (300-400 level)
 - Earn 30 of the last 45 credits at MWSU in institutional coursework
- Refer to www.missouriwestern.edu/admissions/transfer for transfer credit equivalencies and guidelines.

MWSU adheres to the guidelines of the Missouri Articulation Agreement. Transfer course work is evaluated and awarded on the same basis as credit awarded at MWSU. Consequently, criteria used to evaluate currently enrolled MWSU students is equally applicable to transfer students. Applicants who are considering transferring to MWSU may refer to the Table of Academic Standards contained in this catalog to determine their academic status for transfer admission purposes.

Appeal Procedure for Transfer Credits

A student has the right to appeal a denial of transfer credit at MWSU.

The student wishing to appeal must:

1. File a written appeal with the Admissions and Graduation Committee (see Registrar's Office, Eder 102).
2. Explain in writing the reason for the appeal
3. If appealing coursework from an institution not regionally accredited, must also submit course descriptions, a course syllabus and the credentials of the instructor for each class that is being appealed.

If after all appeal steps internal to MWSU have been exhausted, transfer students can appeal to the state level committee on transfer and articulation.

Students wishing to appeal at the state level must:

1. Explain in writing the reason for the appeal to the committee on transfer and articulation.

Send appeal requests to:

Commissioner of Higher Education
 Coordinating Board for Higher Education
 3515 Amazonas Drive
 Jefferson City MO 65109

Special Student

This category is for the student who is not seeking a degree or certificate at MWSU. Students under suspension are ineligible to be admitted under this category.

Students admitted under this category who later decide to seek a degree at MWSU must re-apply for admission in the appropriate admission category. Consult with the Office of Admissions with any questions concerning your admission status. All applicable credits earned while a special student will be applied to the new admission status.

Students who apply and are admitted as a special student are not eligible for financial assistance through the University. Additionally, a student will not be permitted to switch to a Special Student Status to avoid penalties imposed by the University.

Self-Enrichment

To be admitted in this category, applicants must provide:

1. Completed application for admission form.

Visiting High School Student

Students currently enrolled in high school who are seeking admittance to MWSU on a part-time basis concurrent with high school attendance must provide:

1. Completed application for admission form.
2. Certification and approval from the high school principal or counselor (required each semester prior to enrollment).
3. Evidence of completion of junior year in high school.

Visiting College Student

Students who are attending another college or university and wish to take courses at Missouri Western and then transfer the MWSU course work to the parent institution for degree applicability must provide:

1. Completed application for admission form.
2. Unofficial transcript or Letter of Good Standing from the parent institution which reflects the student is academically eligible.

Returning to MWSU or Seeking Certification

Returning to MWSU

Students whose last attendance at Missouri Western State University was other than in the semester prior to that for which application is being made must provide:

1. Completed application for admission form to reactivate the file.
2. Official transcript from each undergraduate college and university which has been attended since last enrolled at MWSU.
3. Payment of any prior financial obligation to MWSU.

Purposes of Certification

Students seeking postgraduate teacher certification, or other forms of professional certification for which MWSU has an academic program, are required to provide information as a college transfer or returning MWSU student as indicated previously.

International Students (F1)

To be admitted in this category, applicants must provide:

1. Application and Application Fee of \$50.00 U.S. dollars.
2. Official secondary school transcripts with English translation of all course work. The records must indicate secondary education completion and graduation.
3. Official TOEFL (Test of English as a Foreign Language) scores with a minimum of 500 on the paper exam, 61 on the Internet based exam, or 5.5 on the IELTS (International English Language Test System). You must submit official results as we cannot accept photocopies. To facilitate our immediate receipt of your TOEFL results, please use the code number for MWSU, which is 6625, when you take the exam. NOTE: If you do not meet the English requirement you may apply for the Intensive English Program.
4. Verification of financial resources and supporting financial documents (students must make payment by the first day of classes).
5. International students transferring from other U.S. colleges or universities must submit official and complete transcripts from each institution to determine eligibility. Transfer credits from post secondary institutions outside of the United States must have a Course-By-Course Credential Evaluation from World Education Services (WES). The application for the evaluation and the cost incurred is the responsibility of the prospective student and payable to World Education Services.
6. Health insurance is required of all international students with a F1 visa status. Students must enroll in MWSU's international student Health Plan. The cost of the required coverage must be paid by the student and will be applied to the student's account upon registration.
7. Applicants must submit Mumps, Measles, & Rubella Immunization Certificate and be tested for Tuberculosis.

Missouri Western will only issue an I-20 form when all requirements for admission have been met. Accepted undergraduate international students must be enrolled as a full-time student (twelve semester hours) during each semester in order to maintain their F1 visa status. Accepted graduate international students must be enrolled as a full-time student (eight to nine semester hours) during each semester in order to maintain their F1 visa status. The deadline for submission of all requirements for admission and I-20 issuance is Sixty (60) days prior to the first day of classes. MWSU strongly recommends ninety (90) days to ensure timely receipt of the student visa.

Exchange Students (J1)

1. Complete the Exchange Application and Application Fee of \$50 U.S. dollars.
2. Official TOEFL (Test of English as a Foreign Language) scores with a minimum of 500 on the paper exam, 61 on the Internet based exam, or 5.5 on the (IELTS) International English Language Test System. You must submit official results as we cannot accept photocopies. To facilitate our immediate receipt of your TOEFL results, please use the code number for MWSU, which is 6625, when you take the exam. NOTE: If you do not meet the English requirement you may apply for the Intensive English Program.
3. Official transcript from home institution.
4. Letter of good standing and verification of enrollment in a bachelor program.
5. Two letters of recommendation from professors that can certify applicant's English ability.
6. Verification of financial resources and supporting financial documents (students must make payment by the first day of classes).
7. Health insurance is required of all international students with a J1 visa status. Students must enroll in MWSU's International Student Health Plan. The cost of the required coverage must be paid by the student and will be applied to the student's account upon registration.
8. Applicants must submit Mumps, Measles, & Rubella Immunization Certificate and be tested for Tuberculosis.

SENIOR CITIZEN REGISTRATION

Persons 65 years of age or older may register for undergraduate courses as a non-degree seeking student without payment of tuition but may be subject to fees and other expenses. All Senior Citizens should make their status known to the Financial Aid Office (Eder Hall 103) during registration to assure correct fee assessment. Senior Citizens desiring to register for CED courses as non-credit seeking students should contact the Western Institute Office.

VETERANS

Missouri Western State University is approved for training veterans and eligible persons. Application forms for educational assistance (G.I. Bill) and general information for veterans are available in the Office of Veterans Affairs. Also refer to: www.missouriwestern.edu/finaid/veterans.

Students who have completed a minimum of one year of active military service or have completed three years in the Guard/Reserves will be granted 4 hours of physical education credit. The general education credit will be granted by the Admission's Office upon presentation of the DD 214 or a letter from Commanding Officer stating initial enlistment date and current military status.

ADVANCED PLACEMENT PROGRAM TESTS (AP)

Several departments at MWSU give credit for Advanced Placement Program Tests. Information regarding specific course credit is available online at www.missouriwestern.edu/admissions. Please note that Missouri Western State University may accept a total of 30 hours work (maximum applicable to a degree) obtained through non-traditional credit, such as Advanced Placement. A student must be a current degree-seeking student at MWSU before AP credit is entered on the transcript.

INTERNATIONAL BACCALAUREATE (IB)

Missouri Western State University will grant credit for International Baccalaureate subject examinations. For a complete listing of IB scores required and the MWSU course equivalencies, please visit the Office of Admissions website at www.missouriwestern.edu/admissions. Missouri Western State University may accept a total of 30 hours work (maximum applicable to a degree) obtained through non-traditional credit, such as International Baccalaureate.

MISREPRESENTING OR FALSIFYING INFORMATION

Any student who misrepresents, falsifies, or withholds required information will be referred to the Admissions and Graduation Committee for review and appropriate action. Such action may result in being denied admission to MWSU or immediate dismissal from MWSU. The University reserves the right to investigate and review the records of any prospective student to determine the applicant's eligibility to enroll.

Financial Aid

The goal of the Missouri Western State University Financial Aid Office is to provide students and their families with a professional, unbiased approach to making the dream of higher education a reality. Our objectives include helping students attain a higher education by providing eligible students the maximum amount of financial assistance from all available sources, while keeping student loan debt as low as possible.

The Missouri Western State University Financial Aid Office belongs to the National Association of Student Financial Aid Administrators (NASFAA). We adhere to a code of ethics requiring us to be “committed to removing financial barriers for those who wish to pursue postsecondary learning.” In adhering to this code of ethics, our student aid professionals make every effort to seek and recommend the best alternatives for our students.

This section provides basic information related to application procedures, federal regulations, eligibility requirements, cost of education and Missouri Western policies. Additional information regarding these, and other topics, is available online at www.missouriwestern.edu/finaid.

- Estimated cost of attending Missouri Western (information and calculators).
- Sources of federal, state, institutional and private assistance.
- Financial Aid application procedures.
- Missouri Western and affiliated scholarship application procedures.
- Student and parent loan information.
- Financial aid forms.
- Services available to veterans.
- The rights and responsibilities of students receiving financial assistance.
- Statistical information concerning the types of financial assistance received by Missouri Western students.
- Policies and other information concerning the administration of financial assistance at Missouri Western.

Communication to Students

The Office of Financial Aid communicates with enrolled and prospective students via the student's Missouri Western email and Goldlink accounts. As a general rule, financial aid notices will not be sent by postal mail. Students are responsible for monitoring their status online through Goldlink and for ALL communications sent to their Missouri Western email account.

How to Apply for Financial Aid

1. Apply for a PIN from the Department of Education. The PIN (Personal Identification Number) allows students and parents to electronically sign the Free Application for Federal Student Aid (FAFSA). Both the student and parent (if applicable) must request a PIN online at www.pin.ed.gov.
2. Complete the Free Application for Federal Student Aid (FAFSA). FAFSA applications are available after January 1st each year. Students may complete the FAFSA online at www.fafsa.ed.gov. Be sure to indicate Missouri Western (school code 002490) as a college choice when completing the application.
3. Apply for Missouri Western Competitive Scholarships. Students may apply for Missouri Western competitive scholarships beginning in October each year. Unless otherwise specified in the scholarship description, students should complete all application requirements no later than March 1st to be considered. Students may search and apply for scholarships online at www.missouriwestern.edu/finaid.

March 1st Priority Deadline

The priority deadline is March 1st for many federal, as well as, Missouri Western aid opportunities. The FAFSA should be submitted no later than the second week of February to ensure the March 1st priority deadline is met. Applications will continue to be accepted after March 1st. However, program funding may be limited.

File Review (Verification)

The federal Central Processing System (CPS) selects approximately 30% of all FAFSA filers for the verification review process. Missouri Western may also select additional filers for review to ensure accuracy and consistency. During the review process, the Financial Aid Office will verify all mandatory items identified by the U.S. Department of Education. In addition, the Financial Aid Office may verify discretionary items.

Students who are selected for verification by either CPS or by Missouri Western will be notified via their Missouri Western email account and will see all required documents listed on Goldlink.

Applicants whose FAFSA information requires correction will have those corrections electronically processed by the Financial Aid Office. The corrections will generate an updated Student Aid Report (SAR) which will be sent to the student by the federal Central Processing System (CPS). The student's Expected Family Contribution (EFC) may change based on corrections made.

If conflicting information is discovered after aid is awarded or disbursed, the Financial Aid Office must resolve the conflicting information and the student will be required to repay aid received in excess of his/her eligibility. All conflicts must be resolved regardless of whether the student was selected for verification. If it is determined that a student has received funds for which he or she is not eligible, the student must repay the amount to Missouri Western.

Student Eligibility

To be eligible for financial assistance, a student must:

- be accepted for admission and enroll as a degree-seeking student in an eligible program;
- be a U.S. citizen or national, U.S. permanent resident, citizen of the freely associated States or other eligible non-citizen;
- have a valid Social Security Number;
- be registered for Selective Service (if applicable);
- not be in default on a federal loan or owe an overpayment of federal grant funds; and
- be making Satisfactory Academic Progress.

High school students taking dual credit coursework, visiting college students who are not seeking a degree from Missouri Western, and self-enrichment students will not be eligible to receive financial assistance.

Enrollment Requirements

- For financial aid purposes, a student's enrollment status will be determined at the end of the official add/drop period each semester.
- Only classes that count toward a degree or certificate may be used in calculating financial aid eligibility. Audited classes and most continuing education classes do not count toward a degree or certificate, and may not be used in calculating eligibility for financial aid.
- Financial assistance may be prorated or cancelled if the student is enrolled in less than 12 credit hours at the end of the official add/drop period.

- Only Missouri Western credit hours will be included when determining a student's enrollment status for Missouri Western scholarships.
- Students must enroll in a minimum of six credit hours to be eligible for student loan funds.
- Financial assistance will be recalculated for students who do not begin attendance, withdraw, are administratively withdrawn or stop attending and receive a failing or incomplete grade in all courses during a term.

Students who are enrolled at more than one college or university at the same time may receive financial aid from only one of the institutions, not both. Contact the Office of Financial Aid for more information.

Financial Aid Awards

Students may view and accept offered awards on *Goldlink* beginning April 15th each year. Regulations require students to report any external sources of monetary assistance that are not reflected on the award notification.

Financial aid awards are based on the student's demonstrated financial need, enrollment status, achievement, and other criteria. It is the student's responsibility to notify the Financial Aid Office when there is a change in enrollment status, or if there is a change in family, or financial situation that may affect eligibility to receive financial assistance.

Financial aid awards may be reduced or canceled if aid received from ALL sources causes the student to exceed unmet need or cost of attendance or if the student does not meet eligibility criteria. Adjustments made to financial aid awards or in a student's eligibility to receive financial assistance will be posted on *Goldlink*.

Disbursement of Financial Aid

Financial aid funds will be released to student accounts in two equal disbursements and will first be applied to outstanding charges for tuition, fees, room, board, and other authorized University expenses. Remaining funds will be issued to the student. By Federal regulation, excess funds MUST be used for educational expenses.

If a student's aid package includes PLUS loan funds, credit balance checks will be made payable to the student or parent and will be mailed to the parent's home address.

The Financial Aid Office will disburse funds each Friday beginning the 2nd Friday of each semester*. Students who elect to receive credit balance refunds by direct deposit, should allow five (5) additional business days for the transfer of funds to a personal bank account. Students who have not elected direct deposit, should allow ten (10) additional business days for the check to be mailed to the student's permanent address of record.

*Federal regulations prohibit the disbursement of Federal Stafford Loan proceeds to freshman, first-time borrowers until 30 days after classes begin.

Financial Aid Advance to Purchase Books and Supplies

If a student is scheduled to receive more financial assistance than their current charges, Missouri Western will transfer up to \$750 of pending financial assistance to the student's ID card. These funds may be used to purchase books and supplies at the campus bookstore located in the Blum Student Union. The actual amount used will be deducted from pending financial aid. Eligible students will receive notification and instructions via their Missouri Western email account 10 days prior to the start of each semester. Only the amount of actual purchases will be deducted from the student's excess financial aid. Any unused funds will be issued to the student in the form of a credit balance refund. A student may elect to opt out simply by not presenting his or her ID at the campus bookstore.

Penalties for Drug Law Violations

Federal law provides that a student who has been convicted of an offense under any federal or state law involving the possession or sale of a controlled substance during a period of enrollment for which the student was receiving financial aid shall not be eligible to receive any federal or institutional grant, loan, or work assistance during the period beginning on the date of such conviction and ending after the interval specified in the following table. If convicted of an offense involving:

Possession of a Controlled Substance	Ineligibility Period
First Offense	1 year
Second Offense	2 years
Third Offense	Indefinite
Sale of a Controlled Substance	Ineligibility Period
First Offense	2 years
Second Offense	Indefinite

A student whose eligibility has been suspended based on a conviction for possession or sale of a controlled substance may resume eligibility before the end of the ineligibility period if:

- A. the student satisfactorily completes a drug rehabilitation program that:
 1. complies with the criteria prescribed in the federal regulations; and
 2. includes two unannounced drug tests;
- B. the student successfully passes two unannounced drug tests conducted by a drug rehabilitation program that complies with the criteria prescribed in the federal regulations; **OR**
- C. the conviction is reversed, set aside, or otherwise rendered nugatory.

Treatment of Federal Financial Assistance When a Student Withdraws or Stops Attending

Federal regulations specify how Missouri Western must determine the amount of Title IV program assistance that a student has earned if he or she officially withdraws or stops attending. The Title IV programs that are governed by this law are the Federal Pell Grants, TEACH Grants, Stafford Loans, PLUS Loans, Federal Supplemental Educational Opportunity Grants (FSEOGs), and Federal Perkins Loans.

When a student withdraws or stops attending, the amount of assistance that the student has earned is determined on a prorata basis. For example, if the student has completed 30% of the semester, he or she has earned 30% of the assistance that was scheduled for the period. Once a student has completed more than 60% of the semester, he or she has earned all scheduled assistance for the period. If the student did not receive all of the assistance that was earned, a post-withdrawal disbursement may be due. Additional information about post-withdrawal disbursements is available online at www.missouri-western.edu/finaid.

If a student has received unearned Title IV program funds, Missouri Western **MUST** return a portion of the excess that is equal to the student's institutional charges multiplied by the unearned percentage of funds or the entire amount of excess funds, whichever is less.

If Missouri Western is not required to return all of the excess funds, the student must return the remaining amount. Any loan funds that the student must return may be repaid in accordance with the terms of the promissory note. That is, the student may make scheduled payments to the holder of the loan over a period of time.

Any amount of unearned grant funds that a student must return is called an overpayment. The maximum amount of a grant overpayment that the student must repay is half of the grant funds he or she received or was scheduled to receive. The student must make arrangements with the Missouri Western Business Office to return unearned grant funds.

Missouri Western's Refund Policy may be found online at www.missouriwestern.edu/businessoffice.

Missouri Western's Official Withdrawal Policy may be found online at www.missouriwestern.edu/registrar.

Satisfactory Academic Progress Policy

Federal regulations require institutions to establish reasonable standards to ensure that recipients of Title IV financial aid are making satisfactory academic progress toward completion of a degree program. These standards must establish the maximum timeframe for degree completion and include minimum standards for rate of completion (pace) and cumulative GPA.

Satisfactory academic progress (SAP) will be evaluated at the end of each semester based on each of the standards outlined below. A student who fails to meet satisfactory academic progress standards will lose eligibility for federal financial assistance the following semester. Federal financial assistance consists of the Federal Pell Grant, Federal Work-Study, Federal Stafford Loans, Federal Perkins Loans, Federal Parent Loans, Federal SEOG, and Federal TEACH Grant.

SAP Standard Definition	SAP Requirement	Regaining Eligibility
Completion Rate (Pace)		
<p>The pace at which a student must progress through an educational program to ensure completion within the maximum timeframe.</p> <p>Pace is calculated by dividing the cumulative number of hours successfully completed by the cumulative number of hours attempted.</p>	<p>Students must successfully complete 70% of all courses attempted to remain eligible for federal financial assistance.</p>	<p>A student who loses financial aid eligibility based on rate of completion must attend, and successfully complete, a sufficient number of credit hours to raise his or her completion rate (pace) to the required 70%.</p> <p>The student will be required to use his or her own financial resources to cover the cost of education until he or she is again meeting satisfactory academic progress standards.</p>

<p>Maximum Timeframe</p>		
<p>The maximum timeframe allowed for completion of a degree program should not exceed 150% of the published length of the program measured in hours attempted.</p> <p>If it is determined that a student cannot complete his or her program of study within this timeframe, he or she will become ineligible for federal financial assistance.</p>	<ul style="list-style-type: none"> • <i>An undergraduate student seeking an associate's degree must complete his or her program within 93 attempted hours.</i> • <i>A student seeking a baccalaureate degree must complete his or her degree program within 186 attempted hours.</i> • <i>A student pursuing a master's degree must complete his or her program within 52 attempted hours.</i> 	<p>A student who has exceeded the maximum timeframe for degree completion is no longer eligible to receive federal financial assistance.</p> <p>The student will be required to use his or her own financial resources to cover the cost of education.</p>
<p>Minimum Cumulative GPA</p>		
<p>The calculation of cumulative GPA will include grades earned from all coursework, including transfer coursework that is accepted toward the student's educational program as well as any remedial coursework.</p>	<p>Students must maintain a minimum cumulative GPA of 2.00 (3.00 if pursuing a master's degree) to remain eligible for federal financial assistance.</p>	<p>A student who loses financial aid eligibility based on GPA must receive grades sufficient to increase his or her cumulative GPA to the required 2.00 (3.00 if pursuing a master's degree).</p> <p>The student will be required to use his or her own financial resources until he or she is again meeting Satisfactory Academic Progress standards.</p>

Attempted and Completed Hours

Attempted Hours consist of any hours the student is enrolled in at the end of the official add/drop period including those hours that are earned, withdrawn from, audited, repeated, failed, taken as pass/fail or are incomplete. Hours for which the student did not receive financial aid and those waived under an academic renewal policy must be included as attempted hours.

Successful Completion is defined as the absence of failing or incomplete grades and voluntary/involuntary withdrawals.

Transfer hours that are accepted toward the student's educational program will count as both attempted and completed hours.

Warning Period

A current student who falls below satisfactory academic progress standards for the 1st time may be granted a one (1) semester warning period to improve his or her progress. During the warning period the student may continue to receive federal financial assistance. To be granted a warning period, the student must attend a satisfactory academic progress seminar and sign a warning period acknowledgement.

If the student fails to meet satisfactory academic progress standards at the end of the warning period, he or she will lose eligibility for federal financial aid the following semester.

Students who have exceeded the maximum timeframe for degree completion or have lost eligibility under the standards of a previous satisfactory academic progress policy will not be eligible for a warning period. In addition, transfer students who are not meeting Missouri Western's Satisfactory Academic Progress standards will be required to submit a letter of appeal to the Satisfactory Academic Progress Committee.

Approaching the Maximum Timeframe

Federal regulations require Missouri Western to ensure that each recipient of Federal financial assistance is able to complete degree requirements within 150% of the published length of the program as measured in attempted hours. In compliance with this regulation, Missouri Western will conduct an evaluation of each student's degree progress each semester as indicated below. In addition, bachelor's degree seeking students should officially declare a degree program upon completion of 60 attempted hours.

Academic Program		Declare Major	Program Review	Maximum Timeframe
Program 1	Program 2			
AS Certificate, Undeclared Program			60 to 92 Hours	93 Hours
AS, Certificate	Pre-Major		93 to 185 Hours	186 Hours
Undeclared Bachelor's		60 to 134 Hrs		186 Hours
Declared Bachelor's			135 to 185 Hours	186 Hours
2nd Bachelor's			195 to 247 Hours	248 Hours
Graduate			35 to 51 Hours	52 Hours

If it is determined that a student cannot complete his or her program of study within this timeframe, he or she will become ineligible for federal financial assistance.

Satisfactory Academic Progress Appeal Process

A student may submit a written appeal to the Satisfactory Academic Progress Committee if documentable extenuating circumstances caused the student to fall below satisfactory academic progress standards or exceed the maximum timeframe allowed for degree completion.

Examples of circumstances that may warrant an appeal include:

- Lengthy hospitalization or illness;
- Death of a parent, spouse or child at a critical time during the semester;
- Lengthy illness of a child or spouse; or
- Other mitigating circumstance.

Appeals should include the following documentation:

- A completed Statement in Support of Appeal form found online at www.missouriwestern.edu/finaid/Forms.asp (Form 10);
- A letter of explanation describing how extenuating circumstances resulted in the student's inability to maintain satisfactory academic progress;
- Sufficient documented evidence that the extenuating circumstance clearly caused the student to fall below the required standards or exceed the maximum timeframe; and
- An explanation of what has changed that will allow the student to maintain satisfactory academic progress at the next evaluation.

Examples of documentation supporting the extenuating circumstance may include:

Appeal deadlines for each term should be posted on the financial aid website. Students may also contact the Financial Aid Office for deadline dates.

The decision of the University Satisfactory Academic Progress Committee is final.

Probationary Period

A probationary period may be granted only after a student has appealed and has had eligibility for aid reinstated based on the appeal. Students who are granted a one (1) semester probationary period will be required to adhere to an academic plan that, if followed, will ensure the student will complete his or her degree program within the maximum timeframe.

As a general rule, a student on an academic plan will be required to successfully complete all attempted courses with a grade of C or higher and not audit or withdraw from any course. In addition, the student may be required to enroll in only those courses required for completion of his or her degree program and may not be allowed to change his or her major without approval from the Satisfactory Academic Progress Committee. An individual academic plan may also include additional requirements as deemed appropriate by the Satisfactory Academic Progress Committee.

A student on financial aid probation may receive Title IV funds for one semester. At that point, the student must meet satisfactory academic progress standards or the requirements of the established individual academic plan to maintain eligibility for federal financial assistance.

Additional Degree Programs and Degree Completion

A student, who is pursuing an additional undergraduate degree, after completion of the first undergraduate program, should be able to complete degree requirements within 200% of the published length of the program as measured by the student's overall attempted hours.

Students enrolled in both an associate's and baccalaureate degree program simultaneously, who have attempted greater than 92 hours, must be enrolled in coursework relevant to the baccalaureate degree program to receive federal financial aid. In this situation, students may be required to appeal to the Satisfactory Academic Progress Committee for reinstatement of financial aid eligibility.

A student who has completed all required coursework for his or her degree program but has not yet received the degree, may not receive further financial aid for that program.

Remedial and Repeated Coursework

Remedial Coursework

Federal regulations allow students to receive financial aid for up to 30 credit hours of remedial coursework. Remedial coursework taken in excess of this limitation must be excluded from the student's financial aid enrollment status.

Repeated Coursework

Federal financial aid regulations allow students to repeat any coursework previously taken in the program as long as it is not a result of more than one repetition of a previously passed course, or any repetition of a previously passed course due to the student failing other coursework.

Federal financial aid regulations allow students to repeat any coursework previously taken in the program as long as it is not a result of more than one repetition of a previously passed course, or any repetition of a previously passed course due to the student failing other coursework.

Repeating coursework can affect a student's satisfactory academic progress status in the following manner:

- *The repeated course and the original attempt will be counted in calculation of overall attempted hours; and*
- *The most recent grade received for the course will be included in the calculation of GPA.*

Communication of Satisfactory Academic Progress Status

Although students will be notified in writing, should they fall below satisfactory academic progress standards, it is the student's responsibility to know his or her academic standing in regard to this policy. Failure to receive notification does not dispute or reverse the termination of a student's eligibility to receive financial assistance.

Students are responsible for monitoring their status online through *Goldlink* and for ALL communications sent to their Missouri Western email account.

Veteran's Services

Missouri Western State University is approved by the Veterans Administration as a training facility for veterans and eligible persons. The School Certifying Official, located in the Financial Aid Office (Eder Hall, Room 103), coordinates the services to more than 300 veterans, dependents and currently serving service-members attending classes and receiving veteran benefits. Students may obtain the following services from this office: certification of enrollment for educational benefits; referrals for tutorial assistance; referrals for counseling for financial, personal, vocational, and academic problems; veterans work study job information; information about changes in legislative regulations which affect veterans; and information about MWSU procedures. The School Certifying Official also acts as a direct liaison between Missouri Western State University and the Veterans Administration Regional Office in St. Louis regarding payment of benefits. Additional information is available online at www.missourwestern.edu/finaid.

Standards and Regulations

STUDENT RIGHTS AND RESPONSIBILITIES

Family Educational Rights and Privacy Act of 1974 (FERPA)

The Family Educational Rights and Privacy Act of 1974, as amended, is a federal law which sets forth requirements aimed at protecting the privacy of educational records. Education records are defined as those records which directly relate to a student and are maintained by an educational agency or institution or by a party acting on behalf of that institution. Any educational institution that receives funds under any program administered by the U.S. Secretary of Education is bound by FERPA requirements.

Students have the following inherent rights under FERPA –

1. Control the disclosure of their “education records” to others
2. Inspect and review their “education records”
3. Seek amendment to their “education records”
4. File a complaint with the Department of Education

Once students are enrolled at MWSU, FERPA rights transfer to the student, regardless of the student’s age.

In the absence of an official request, information contained in a student’s records remains confidential between the student and MWSU and will not be released to third parties without the consent of the student, with the following exceptions:

- as directory information;
- to school officials with legitimate education interest;
- to schools which the student is seeking admission;
- to organizations conducting studies of or on behalf of educational institutions;
- to federal, state or local education authorities;
- in connection with the receipt of financial aid;
- to accrediting agencies;
- to comply with a judicial order or subpoena;
- in health or safety emergencies;
- results of a disciplinary hearing to an alleged victim of a crime of violence;
- to parents of students under the legal drinking age if caught possessing or using alcohol or drugs.

Missouri Western State University defines directory information as:

- name;
- mailing address;
- telephone;
- campus e-mail address;
- date of birth (month/day);
- major or field of study;
- dates of attendance;
- enrollment status;
- anticipated graduation date;
- classification;
- degrees awarded;
- honors awarded;
- previous institutions attended;
- participation in activities/sports;
- weight/height of athletes.

Currently enrolled students may withhold disclosure of information under the Family Educational Rights and Privacy Act of 1974, as amended. To withhold disclosure, written notification must be received in the Office of the Registrar (Eder Hall 102). A hold will not apply retroactively and will remain valid until the student submits notification in writing, stating otherwise. Western assumes that failure on the part of any student to specifically request the withholding of "Directory Information" indicates individual approval for disclosure.

Request for records inspection should be directed to the official in charge of maintaining the record. The personally identifiable educational records of each student and former student maintained by the university are open for inspection by the student, except in limited cases where privacy, confidentiality, or professional privileges of another person is involved.

The student may challenge an inaccurate record and request a hearing concerning any alleged inaccuracy contained therein. Any challenge must establish by a preponderance that the record is inaccurate. If desired, the student may submit a written explanation of a record's content, which then becomes a part of the record. Additional information regarding FERPA may be obtained from the Office of the Registrar, Eder 102 or the University's Risk Manager, Popplewell 119.

UNIVERSITY E-MAIL/PORTAL USE POLICY

Missouri Western State University has designated the MWSU e-mail system and the electronic portal goldlink.missouriwestern.edu as official methods of communication to students, faculty, and staff. Each student, faculty, and staff member receives a MWSU hosted e-mail account and network login/password. This e-mail account is the primary resource used for MWSU communications between students, faculty, and staff. Official notices and information regarding the University will be sent through the MWSU e-mail system and /or posted on the goldlink.missouriwestern.edu portal.

The University has determined that use of the MWSU e-mail system and electronic portal is critical to the success of students and employees in daily routines or job performance. Students are expected to check their e-mail accounts and access the MWSU portal at least once per week. Faculty and staff are expected to check their e-mail accounts and access the MWSU portal every 1-2 business days during active work periods.

Typical e-mail communications sent by MWSU include information regarding enrollment, grades, billing, payments, financial aid, and campus activities. Typical information provided by the portal includes personal announcements, campus announcements, messages for targeted audiences, and access to the Banner Self-Service system. It is the responsibility of students, faculty, and staff to stay informed. Therefore, it is expected that students, faculty, and staff access this electronic communication medium to stay informed of the activities of MWSU and to communicate in a timely manner.

Access to Personal Information

Students may access university and personal information by logging into their Goldlink account from www.missouriwestern.edu. A unique username and password will provide secure entry to view grades, schedule of classes, unofficial transcript, financial statements, address, and other personal and confidential information. Students who lose their password may visit the Goldlink login page for instructions to reset their password. The username and answers to unique and personal security questions will be required in order to receive a new password.

Academic Advisement

Academic advisement of students is an integral part of academics at Missouri Western. All degree-seeking students are assigned an advisor who helps provide information regarding degree requirements, semester class selection, and career direction. Semester advisement is mandatory for students who have attempted fewer than 24 credit hours and for students whose GPA is less than 2.0. Most departments require academic advising each semester for all majors.

Advisors will recommend completing developmental courses during the first semesters enrolled at Missouri Western. This will allow students to move into their general studies courses and help complete acceptance requirements needed for many MWSU degree programs. **Degree-seeking students who are required to take developmental coursework (mathematics-MAT 081, 082, 083; English-ENG 100; or reading-RDG 095) must follow the university admissions criteria to be enrolled in such coursework their first semester at Missouri Western. Further, the student will be expected to complete those same courses continuously during subsequent semesters.** Once enrolled in these courses, signature of the advisor or the English/Math/Reading instructor is required to drop ENG 100, MAT 081/082/083 and RDG 095. Upon completion of developmental work, students should progress, in the following semester, to the general education English and math requirements, allowing them to complete the general education English and math requirements prior to attempting 60 credit hours.

As part of the procedure for the academic advisement/preregistration system at Missouri Western, students will meet with their respective advisors each semester to work out their schedules for the next semester of study. However, students are encouraged to meet with their advisor on a regular basis to develop the type of meaningful advisor-student relationship that we at Missouri Western prize as one of the hallmarks of our institution.

All degree-seeking students should declare a major or pre-major before 60 hours of course work has been attempted. Owing to the nature of the one-year certificate and two-year associate degrees, students in these programs are advised to consult with the chairpersons of the appropriate departments as early as possible.

Declaring a Major or Minor

A student officially declares a major by completing a Major Declaration Form with an advisor in the academic department where the major is housed. A Minor Declaration Form may be completed with the student's major department or the department housing the minor. The completed document(s), with appropriate signatures, must be received in the Office of the Registrar in order for the process to be complete. The declaration of major should be made once 24 credit hours of course work has been attempted. If the student is unable to declare a major, a pre-major should be declared.

The university catalog in effect at the time of completion of the appropriate Major or Minor Declaration Form will be used to determine course requirements. The major degree program remains effective for no more than six years following its approval date. Students are responsible for the requirements of their educational programs and should work closely with their advisor to see that those requirements are met.

In the process of earning a degree, students must complete requirements for that degree and any necessary state certification requirements. If certification or statutory requirements change and additional requirements become effective during the time a student is enrolled in a program, the new requirements take precedence over previously existing degree or certification standards.

Current Major and Minor Declaration Forms can be found through the website of the appropriate academic department or www.missouriwestern.edu/registrar.

Credit/Contact Hours

Missouri Western State University records course credits in semester hours. Credit hours are assigned as follows:

- Traditional face-to-face courses: one student credit hour for each hour a course meets per week for the 15-week semester;
- Laboratory, studio, clinicals, and practicum or internship courses: one student credit hour for each two or three hours a course meets per week for the 15-week semester, dependent on the type of course.
- Online courses: credit hours will be assigned in the same manner as face-to-face courses.
- Off schedule and short term courses: credit hours are assigned in the same manner as 15-week courses except on a pro-rated basis.

Course Load

The maximum number of credits a student may take is 18 credits per semester or 9 credits in a summer term. This includes day and evening enrollment combined. Upon approval of the College/School Dean, a student who has a 3.0 overall GPA or a 3.0 GPA for the previous semester or term may take additional credit for the following semester or term.

Class Attendance

Missouri Western State University has the expectation that students should be active participants in their coursework. Regular class attendance is considered a key element of participation and an essential part of the educational experience. Specific attendance requirements for individual courses will be communicated through the course syllabus.

Student Classification System

Students are classified according to the number of semester credit hours completed satisfactorily.

0 - 29 hours.....	Freshman
30 - 59 hours.....	Sophomore
60 - 89 hours.....	Junior
90 + hours.....	Senior

ACADEMIC STANDARDS

Grading System

Grades used in evaluating the work of students are as follows:

<i>Level of Performance and Letter Grade</i>		<i>Quality Points Earned</i>
Superior	A	4 per credit
Good (above average)	B	3 per credit
Average	C	2 per credit
Minimum (passing below average)	D	1 per credit
Failing	F	0 per credit
Incomplete (pending official grade)	I	0 per credit
Withdraw (no grade assessment)	W	0 per credit
Audit	AU	0 per credit
Credit	CR	0 per credit
No credit	U	0 per credit

Grade-Point Averages

Grade-point averages are used to determine class standing and eligibility for graduation, the Dean's and President's Honor Lists, and membership in honor societies.

The grade-point average (GPA) is a numerical ratio of credits and grade points received. The following are examples of the method of computing the grade-point average:

- A student receiving 16 credits of B has earned 48 grade points. The GPA is $48 \div 16 = 3.0$
- A student receiving 16 credits of which 8 credits are B and 8 credits are C has earned 40 grade points. The GPA is $40 \div 16 = 2.5$

Credits earned in courses in which a grade of CR is given are not included in the computation of the GPA. When a course is repeated, only the last grade is included in the calculation. Grades of I, W, U or AU do not represent credit earned and are not included in the computation of the GPA. When a grade of F is received, the credits are included in the computation of the GPA. Under the A/Cr/U option, a grade of A is the only grade which will be used in GPA and honors calculations.

The overall grade-point average uses the same numerical ratio and includes all undergraduate credit earned at institutions accredited by the North Central Association or a similar regional agency.

Pass-Fail Grading

Courses evaluated by pass-fail criteria receive the number of credits for that course with a grade of CR. A failure will result in a grade of F and no credit. Credits earned in courses that are stipulated in the catalog as being graded on a pass-fail basis will not be used in computing grade-point-averages for honors.

Grade Change

A course grade change must be approved by the instructor, chairperson and dean. The approved grade change must be submitted to the Registrar prior to the end of the next regular (Fall/Spring) term after the close of the semester in which the original grade or incomplete was awarded. After this time period, a grade change must be approved by the Admissions and Graduation Committee.

Incomplete Grades

Under certain circumstances, during the final grading process an Incomplete Grade Contract may be completed, approved and signed by the instructor, student and Department Chair. An incomplete grade may be given when accident, illness, death in the immediate family, or other documented circumstances beyond the student's control, prevent the student from completing some course requirements. An incomplete grade should only be considered when the majority of course requirements have been satisfied and the student is receiving a passing grade in said coursework. Students should be aware that an incomplete grade may affect the initial calculation of academic standing, eligibility for semester honors and eligibility for federal, state or institutional financial aid programs.

An incomplete grade must be removed within eight weeks after the last final exam day for the current term (fall, spring, summer); otherwise, the grade will be recorded as an "F". Any extension of time beyond the allotted eight weeks is not permitted. After the eight week deadline, the instructor of record may, under documented and justified conditions, submit a grade change to replace the "F" (see Grade Change policy).

The Incomplete Grade Contract with all signatures must be submitted to the Registrar's Office by the last day to submit final grades for the term which the Incomplete grade is being requested. No Incomplete Grade Contracts will be accepted after this date. Copies of the contract should be made and given to the instructor, student and Department Chair.

Credit by Examination

Credit for general studies courses and major field courses may be obtained by taking a CLEP exam (College-Level Examinations Program) or a comprehensive test designed by the academic department for which the test-out applies. Each department determines which courses are appropriate for credit by examination and the test instrument to be

used. Normally students request credit by examination early in their college career to avoid ineligibility at a later date.

Students may receive credit by examination if they:

- Are eligible to enroll at MWSU;
- Are not currently enrolled in a course for which an examination is being requested;
- Are granted written permission by the Testing Coordinator or the chairperson of the department to which the test would be applicable.

Note: A student must have courses in progress for the current semester at MWSU before Credit by Examination is included on the academic transcript. Further, the student must have transcript activity at the end of said semester in order to retain the Credit by Examination information on the MWSU transcript.

Students are not eligible to receive credit by examination if they have:

- Earned prior credit in the course at MWSU or in transfer;
- Audited the course;
- Attempted the course and received any transcribed grade assessment, or taken a college course or courses which contain the same basic material.

A complete list of every course eligible for Credit by Examination is available in the University Testing Center, Spratt 105, or at www.missouriwestern.edu/testing. Please contact the Testing Center at 271-4116 for specific guidelines, the Petition for Test Out Form, applicable fees, and to schedule an appointment.

Non-Traditional Credit

Missouri Western State University may accept a total of 30 credit hours (maximum applicable to a degree) obtained through non-traditional credit or credit by examination.

Credit earned through the United States Armed Forces Institute (USAFI) in accordance with the recommendation of the Commission on Accreditation of Service Experiences of the American Council on Education, extension work from regionally accredited institutions of higher education, and correspondence work from regionally accredited institutions of higher education are generally recognized if documented by written records from the U.S. government and institutions of higher education.

Transcripts and Records of Academic Work

Official transcripts will have a certifying signature, date of issue, and university seal. Requests for official transcripts require the student's signature and will be processed within 48 hours. A fee will be charged. Official transcripts will not be issued to or for students who have a debt with the university until such indebtedness has been paid in full, or to students who have failed to participate in required entrance or exit testing. Unofficial transcripts may be obtained by a student through their *Goldlink* account from the MWSU website. Unofficial transcripts may not be accessed by students who have a debt with the university until such indebtedness has been paid in full, or to students who have failed to participate in required entrance or exit testing. Student transcripts received from other colleges and universities become the property of MWSU, and are not reissued to the student or to another institution.

Academic Probation and Suspension

Students are placed on academic probation if the overall grade-point average (GPA) drops below 2.0. Students on probation may need university approval for their semester course schedule.

Students are placed on academic suspension if their overall GPA drops below the suspension GPA in the Table of Academic Standards which corresponds to the overall GPA hours, subject to the provisions listed below. To be placed on academic suspension a student:

- Must have been on academic probation or suspension during the previous semester (including Summer); and
- Must have a term GPA lower than 2.0.

Transfer students will be evaluated based on MWSU’s Academic Standards. If found to be on suspension, the student will be subject to MWSU policies as if the suspension had been earned at Missouri Western.

Table of Academic Standards

Overall GPA Hours*	Probation if Overall GPA is less than	Suspension if Overall GPA is less than
0-18	2.0	NA
19-30	2.0	1.500
31-45	2.0	1.600
46-60	2.0	1.700
61-75	2.0	1.800
76-90	2.0	1.900
91+	2.0	2.000

*Grades assigned as I, W, AU, CR or U are not included in GPA hours.

Appealing an Academic Suspension

Students who believe that the causes of their suspension merit special consideration may submit a letter of appeal challenging their suspension. The deadline date for appeals is stated in the official notice of suspension that is emailed to the student's campus email address and sent to the current mailing address reported by the student. Appeals received after the deadline stated in the notice of suspension will not be considered. The Academic Regulations and Standards Committee will review all appeals. The Committee may reinstate a student based on documented circumstances beyond the student’s control. It is the student’s responsibility to complete a Suspension Appeal form and provide documentation clarifying how the circumstances that caused poor performance have been addressed. More information can be found at www.missouriwestern.edu/registrar/probation-suspension.

Students who are suspended because their GPA is adversely affected by grades over ten years old may also petition for reinstatement immediately following notice of suspension. It is the student’s responsibility to complete a Suspension Appeal form, provide documentation, and a recalculated GPA to include only grades earned within the last ten years. The ten years are to be calculated from the semester in which the student’s current suspension occurs. The Committee will review each suspension of this type on a case by case basis, considering all factors, and may reinstate students if the evidence warrants it.

If reinstatement is granted for any circumstances, the student remains on academic probation. Furthermore, the suspension under appeal will remain on the student’s record as a suspension and will be counted as such.

Readmission After Suspension

Students placed on academic suspension may not attend MWSU for the time period indicated below unless the Academic Regulations and Standards Committee grants their appeal. A “semester” is defined as the Fall or Spring terms only.

First Suspension	One semester
Second Suspension	Two semesters
Third Suspension	Four semesters
Fourth Suspension	Eight semesters
Fifth Suspension	Twelve semesters
Sixth Suspension	Sixteen semesters

Students applying for readmission after completing the required suspension period must file a new application with the Admissions Office. Students readmitted after suspension will enter on academic probation unless transfer work raises their overall GPA to a good standing status.

Academic Renewal Policy

The Academic Renewal Policy is an appeals procedure which allows a current student to request an adjustment to his or her overall grade point average and credit hours earned. Through this policy Missouri Western seeks to give a student who has matured during his/her absence from university coursework a second chance in his/her college career, while also keeping the integrity of Missouri Western's academic standards.

Undergraduate students who are currently enrolled as a degree-seeking student may be eligible to petition for academic renewal.

- The student must not have been enrolled in university coursework as a degree-seeking student for five or more consecutive years. Hours earned for Continuing Education (CED) courses are excluded from this five year time-frame.
- After the above mentioned five year university absence, the student must have completed at least two consecutive semesters at MWSU, earned at least 18 credit hours in courses 100 level or above, and received an overall GPA of 3.0 or higher with no grade lower than a "C" in said hours. Notes: Overall GPA calculation will include grades earned during all semesters since most recent 5 year absence. A student may be disqualified from academic renewal eligibility if more than 15% "W" grades are recorded in the semesters since most recent 5 year absence.

Students who meet the above criteria may petition the Admissions and Graduation Committee for academic renewal by completing and submitting the Petition for Academic Renewal form (available in the Registrar's Office). The applicant should attach to the form a letter of explanation and support documentation, if applicable, addressing the circumstances which occurred during the semester(s) he/she is requesting to be excluded from their MWSU transcript and his/her academic experience and personal and professional accomplishments achieved during the timeframe away from higher education. The student must also include written support from their advisor or other faculty member in their major department with their Academic Renewal request. If approved, the student will receive an updated copy of the transcript once the Academic Renewal process has been complete.

Conditions:

- All credit and grades earned prior to the selected point in time will be excluded from GPA calculations and credit hours earned.
- Excluded coursework cannot be used to meet degree or prerequisite requirements. Students should work directly with their department to address major coursework or prerequisite requirements.
- "Academic Renewal" will be noted on the transcript for each relevant semester.
- Academic renewal will be applied to transfer work if it occurred before the selected point in time.
- Students will not be granted Academic Renewal after an application for graduation has been submitted or a previous degree awarded.
- To be eligible for a degree, students must complete a minimum of 24 credits at MWSU after the granting of academic renewal.
- Students who receive academic renewal are not precluded from graduating with honors.

Notes:

- Academic Renewal may impact financial aid eligibility. Applicants should contact the Director of Financial Aid for information and clarification.
- Academic Renewal is irrevocable.
- Students are limited to one appeal of academic renewal during their academic career at Missouri Western State University.
- Academic Renewal may not be used to obtain athletic eligibility.
- Academic Renewal is a Missouri Western State University policy and may not be recognized by outside agencies or other institutions.

Semester Honors

The President's Honor List is globally calculated one time, immediately following each semester and published thereafter. To be included on the President's List, a student must be carrying 12 or more credits with a grade-point average of 4.0, exclusive of audits, incompletes or credit earned in courses that are stipulated in the catalog as being graded on a pass-fail basis. A Dean's Honor List is globally calculated one time, immediately following each semester and published thereafter. To be included on the Dean's List a student must be carrying 12 or more credits with a grade-point-average of 3.5 or higher, exclusive of audits, incompletes or credit earned in courses that are graded on a pass-fail basis. Any grade change which results in a student not qualifying for an Honor List designation will have the designation removed from their student record.

ENROLLMENT REGULATIONS**Credit Units**

The unit of credit is the semester hour, which represents a period of weekly study for a semester. In the catalog, the number of credits is shown in parentheses after the course title.

Course Numbering System

Each course bears a number that identifies its level, as follows:

- 000-099 - courses that do not apply toward a degree
- 100-199 - freshman-level courses
- 200-299 - sophomore-level courses
- 300-399 - junior-level courses
- 400-499 - senior-level courses

Courses numbered 100-299 are considered lower-division courses, and those numbered 300-499 are considered upper-division courses.

Departments may offer special topics courses without prior approval of the Curriculum Committee on a single-offering basis, in order to experiment with innovative methods, content or to take advantage of visiting staff. Course numbers 196-199, 296-299, 396-399, and 496-499 are reserved for assignment to special topics courses. These offerings require approval by the Provost/Vice President for Academic Affairs.

Description of Course

All courses offered at the university are listed in the University Catalog by schools and departments. Before the opening of each term, a class schedule is available on-line at griff.vn/schedule which lists the specific courses to be offered that term with the time of meeting, the building, and the room number. The University reserves the right to cancel, without notice, any course listed in the catalog or in the class schedule for any term.

Semester Designation

Abbreviations following the title of the course and the credit indicate the semesters in which the course is normally offered, however course availability is subject to staffing changes and student enrollment: F — the course is offered in the fall semester; Sp — the course is offered in the spring semester; Su — the course is offered in the summer session; DD — the course is offered at the discretion of the department.

Registration and Change of Class Schedule

Refer to the on-line class schedule at griff.vn/schedule for detailed information on registration.

Currently enrolled students are encouraged to register early for classes. An alternate PIN is required for registration. The registration period is announced in the academic calendar and on the inside back cover of this University Catalog.

New and returning students will be notified by the Admissions Office of dates for registration. More information can be found in the class schedule at griff.vn/schedule and in the appropriate term's online Registration Guide, www.missouriwestern.edu/registrar/registration.

Registered students may, at anytime prior to the first day of the term, drop any or all classes resulting in a reduced fee assessment. Registered students may also add or drop classes according to the add / drop schedule found in the appropriate term's online Registration Guide, www.missouriwestern.edu/registrar/registration. A special fee is assessed for adding or dropping classes once the term has started.

Late Registration is held once classes have begun. The Late Registration Schedule can be found in the appropriate term's online Registration Guide, www.missouriwestern.edu/registrar/registration. Degree-seeking status may only be declared on the first day of Late Registration. A special fee is assessed for Late Registration.

Alternate PIN

A 4-digit Alternate Personal Identification Number (PIN) is distributed by advisors and academic departments to currently enrolled degree seeking students for the purpose of registration. The Alternate PIN changes before each registration period.

Dropping RDG 095, ENG 100 or MAT 081/082/083

Signature of the advisor or of the English/Math/Reading instructor is required to drop ENG 100, MAT 081/082/083 and RDG 095.

Withdrawal from the University

Prior to the official first day of the term, students may drop all classes on-line or by notifying the Registrar's Office in writing. As of the first day of the term students who, for any reason, find it necessary to completely withdraw from the University are required to notify the Registrar's Office, Eder Hall 102, in writing (include name, student I.D. number, last date of attendance, signature and contact information). The effective date of withdrawal will be the date on which the written notification is received by the Registrar's Office. After the withdrawal deadline a student must petition the Admissions and Graduation Committee, through the Registrar's Office, to withdraw from all or individual classes. Only documented situations, beyond the control of the student will be considered. Failure to submit a formal request for a withdrawal will result in the student receiving failing grades.

Repeating Courses

Students are permitted to repeat any course. (The A/Cr/U option cannot be used to repeat a course in which a prior letter grade of D or F was earned.) When a course is repeated, the original grade remains on the transcript but is excluded (E) from the GPA calculation and the most recent grade is included (I) in the GPA. Topics and related format courses which change in content on a semester to semester basis do not apply in this regard.

A/Credit/Unsatisfactory Grading

The major objective of the A/Cr/U option is to encourage students to explore challenging elective courses they might not otherwise select. Only courses which are normally graded A through F may be taken A/Cr/U. The following guidelines apply for the A/Cr/U option:

1. Students must have satisfactorily completed at least twelve (12) credit hours to be eligible.
2. Students must have a pre-major or Major Declaration Form on file with their chosen department.
3. Students on academic probation are not eligible.
4. Coursework may not be taken in the major and minor fields. This includes cognate courses stipulated by the major and minor degree programs.
5. Only one course per semester or summer session may be taken A/Cr/U.
6. All undergraduate level courses may be taken.
7. A grade of A received in a A/Cr/U course will be recorded as an A. A grade of B or C will be recorded as a Cr. A grade of D or F will be recorded as a U and will not receive course credit or be included in any GPA calculation.
8. The number of credit hours completed under this option will number no more than twelve (12) for any degree. Exception: Hours attempted in a course taken under the A/Cr/U option and graded as an A will not be deducted from the twelve (12) hours allowed to a student under this grading system.
9. Students are expected to meet all course prerequisites.
10. Students must designate the A/Cr/U option at the Registrar's Office before the end of the fourth week after the first day of classes (second week of summer session).
11. Instructors will not be informed that students are enrolled under the A/Cr/U option. Regular procedures will be followed in the submission of final grades by the instructor to the Registrar. Grades will be assigned A, Cr, or U in the Registrar's Office.
12. A course completed under the letter grade system in which D or F was earned may not be repeated on an A/Cr/U.

Students should be aware that some schools, scholarship committees and honorary societies do not accept work taken on a non-graded basis. Furthermore many employers do not view non-graded coursework favorably. All students should be very cautious in using the A/Cr/U option.

Auditing a Class

A class auditor is a student registered for a course only for informational instruction, not to earn credit. A student may audit a course for a number of reasons, ranging from skills improvement to a review before registering for credit. Regardless of the purpose, it is important that students get a meaningful experience from instruction and make satisfactory progress toward their purpose. It is the role of the instructor to aid students in this determination. Therefore, audit students should expect to work closely with their instructor.

Students enrolling in a class for credit may choose to change that registration to audit before the end of the tenth week of the semester (fifth week of 8-week summer session; third week of 4-week summer session.) A change from audit to credit must be completed by the end of the first week of classes. Credit by Examination is not available for any student who has audited the course.

COSTS

Tuition and Fees

Tuition and fees are payable at registration. Any special payment arrangements should be coordinated with the Business Office, Eder 104. A complete listing of current tuition and fees can be found at www.missouriwestern.edu/businessoffice.

Students who complete the registration process must agree to pay the University according to an agreed upon payment schedule with the Business Office. Students who fail to meet the terms of the agreement may entitle Missouri Western State University to (1) declare the full balance plus late fees immediately due and payable by law, (2) refuse subsequent registration for any classes and/or drop current classes, (3) deny future enrollment in any payment plan, and (4) withhold grades, diplomas or transcripts from being released until the unpaid balance, as well as all attorney fees, legal expenses and other collection costs are paid in full.

Residency

It is the student's responsibility to register under the proper residence and to pay the proper fees. Petition forms and rules of residency are available at www.missouriwestern.edu/registrar or in the Registrar's Office. A student requesting a change of residency classification for fee purposes must submit an appeal with the Registrar's Office by the end of the first week of classes in order to be considered for the current term. The student will be required to complete a Residency Petition and furnish evidence in support of the claim.

Refund Policy

- Students who make schedule changes during the add/drop period will be charged for the added class and/or credited the cost of the dropped class.
- Students who make schedule changes during the add/drop period will be assessed a late registration fee of \$50.00.
- No refunds are given to students who make schedule changes after the add/drop period but remain in school.
- Students completely withdrawing from school within the add/drop period will receive a refund of tuition and fees assessed, based on the withdrawal refund schedule found in the appropriate term's online Registration Guide, www.missouriwestern.edu/registrar/registration. Withdrawal refunds are computed based upon the date the Registrar receives the completed/correctly executed withdrawal form. Withdrawal computations are not effective the date the student stops attending classes. The refund must be claimed during the semester in which the refund applies.
- Failure to attend classes does not constitute a withdrawal. Students must officially withdraw in the Registrar's Office to be eligible for a refund.

- If after all charges/credits have been applied to the account the student is eligible for a refund, then the funds will be refunded directly to the student. If, however, payment has been made either partially or fully by financial aid (scholarships, grants, or loans) or another source (e.g., Vocational Rehabilitation), the excess funds will be returned to the financial aid source(s) up to 100 percent of the original aid amount. After restoring the financial aid or other source to its original amount, any excess of refund monies will be returned to the student.
- Students who feel that individual circumstances warrant exceptions from this policy may appeal in writing to the University Bursar. This appeal must be made during the semester to which the refund applies.

Degree Programs and Requirements for Graduation

All students, regardless of major, must meet certain general requirements for certificate and degree programs. This chapter also outlines the requirements for obtaining multiple degrees and double majors as well as the general requirements for minors. Transfer programs are described at the end of this chapter, along with the university policies/regulations that govern eligibility for graduation and for attendance at commencement ceremonies. Specific requirements for each major are presented in the chapter describing each department's offerings. Degree programs and requirements for graduate degrees are described in the graduate bulletin at www.missourivestern.edu/graduate.

Degrees/Majors at MWSU

AAS = Associate of Applied Science
 AS = Associate of Science
 BA = Bachelor of Arts
 BFA = Bachelor of Fine Arts
 BGS = Bachelor of General Studies
 BIS = Bachelor of Interdisciplinary Studies
 BM = Bachelor of Music
 BME = Bachelor of Music Education
 BS = Bachelor of Science

BSBA = Bachelor of Science in
 Business Administration
 BSE = Bachelor of Science in Education
 BSN = Bachelor of Science in Nursing
 BST = Bachelor of Science in Technology
 BSW = Bachelor of Social Work
 C = Teaching Certification
 CERT = Certificate

Department/Major	Degrees
Art	
Art	BSE
Digital Animation	BFA
Graphic Design	BFA
Studio Art*	BFA
Bachelor of Science in Technology (2+2)	BST
Biology	
Biochemistry & Molecular Biology	BS
Biology*	BS
Biotechnology	BS
Natural Science/Biology	BS, BS/C
Wildlife Conservation and Management	BS
Business	
Accounting	BSBA
Finance	BSBA
Management	BSBA
Marketing	BSBA
Chemistry	
Biochemistry & Molecular Biology	BS
Chemistry	BS
Medical Technology	BS
Natural Science/Chemistry*	BS, BS/C

Department/Major	Degrees
Cinema/Theatre/Dance	
Speech and Theatre	BSE
Theatre and Cinema*	BA
Communication/Journalism	
Convergent Media	BS
Speech Communication*	BA, BS
Speech and Theatre	BSE
Computer Science/Mathematics/Physics	
Applied Computer Technology	BS
Computer Science*	BS
Mathematics	BS, BS/C
Criminal Justice/Legal Studies/Social Work	
Criminal Justice*	AS, BS
Legal Assistant	AS, CERT
Social Work	BSW
Economics/Political Science/Sociology	
Economics	BS
Political Science	BA, BS
Sociology	BS
Education	
Early Childhood Education	BSE
Elementary Education	BSE
Engineering Technology	
Construction Engineering Technology	BS
Electronics & Computer Engineering Technology	BS
Electronics Engineering Technology	BS
Manufacturing Engineering Technology*	AAS, BS
English/Modern Languages	
English*	BA, BSE
French	BSE
International Studies	BA
Modern Language	BA
Spanish	BSE
General Studies	BGS
Health/Physical Education/Recreation	
Physical Education	BS, BS/C
Recreation Sport Management*	BS
History/Geography	
History	BA, BA/C, BS, BS/C
International Studies	BA
Philosophy/Religion	
International Studies	BA
Philosophy	BA, BS
Interdisciplinary Studies	BIS

Department/Major	Degrees
Music Music*	BA, BM, BME
Nursing and Allied Health Nursing Health Informatics & Information Management Health Information Technology Physical Therapist Assistant	BSN BS CERT AAS
Psychology Psychology*	BA, BS

* See department information for Concentration Areas

GENERAL REQUIREMENTS FOR DEGREES

Major Declaration

Every degree candidate must have on file in the Office of the Registrar an approved Major Declaration Form. Students complete this form with an advisor in the academic department where the major is housed. The Major Declaration Form is valid for six years.

In the process of earning a degree, students must complete requirements for that degree and any appropriate state certification requirements. If certification or statutory requirements change and additional requirements become effective during the time a student is enrolled in a program, the new requirements take precedence over previously existing degree or certification standards.

A University exit exam is required of all graduating baccalaureate students; visit www.missouriwestern.edu/etspp for more information. An exit exam may also be required by the academic department housing the major of the graduating student; confirm any necessary exit exams* with individual academic department.

Ten-Year Old Credit

College credit more than ten years old cannot be used as part of the student's major requirement unless approved by the department of the declared major. College credit more than ten years old may be used to fulfill general studies or elective requirements for a degree if any of the credit is applicable. This determination will be made by the Registrar's Office.

State Legislation Requirement

Sections 10370, 10374, 1037a, 1037b, 1037c (SCS for SB4) of the laws of Missouri, 1947 (Sixth General Assembly), prescribe that all candidates for a degree issued by the colleges and universities of Missouri must have completed courses of instruction in and "satisfactorily passed an examination on the provisions and principles of the Constitution of the United States and of the State of Missouri, and in American History, including the study of American Institutions." Students may comply with the law by successfully completing one of the following courses at MWSU: HIS 140, American History to 1865; HIS 150, American History since 1865; or PSC 101, American National Government; or by completion of an equivalent course (as evaluated at MWSU) from another institution.

Additional Required Tests

In order to measure student progress toward educational goals, students are required to participate in periodic assessment efforts at MWSU. University-wide assessments include, but are not limited to, a university exit exam, and departmental exit tests (see department for more information). Transcripts and graduation may be held if a student does not participate in this required testing.

Misrepresenting or Falsifying Information

Any student who misrepresents, falsifies, or withholds required information will be referred to the Admissions and Graduation Committee for review and appropriate action. Such action may result in being denied admission to MWSU or immediate dismissal from MWSU.

ONE-YEAR CERTIFICATE PROGRAMS

Missouri Western State University offers a certificate program with a major in Legal Assistant and in Health Information Technology. To earn the certificate, students must complete a minimum of 30 credit hours with a minimum overall GPA of 2.0. Specific course requirements are listed under the department administering the program.

General Requirements for One-Year Certificate Programs

A student must*:

- Complete the required courses for the certificate program;
- Earn a minimum of 30 credit hours (100 level and above, maximum of 6 CED credit hours applicable);
- Earn an overall GPA of at least 2.0;
- Earn 9 of the last 15 credit hours at MWSU in institutional coursework (exclusive of credit by examination);
- Earn an overall GPA of at least 2.0 in those courses needed to satisfy the requirements of the selected major; and
- Participate in required departmental and campus-wide assessments.

*Some certificate programs may require more than 30 credit hours, may require a higher GPA, may have minimum grade requirements and may have additional certification requirements. (See actual degree program for specific requirements.)

ASSOCIATE DEGREE PROGRAMS

The Associate of Science (AS) degree is designed for the student who desires a concentrated program (usually technical in nature) in preparation for employment in health, industry or public service. The degree is available with majors in Criminal Justice, and Legal Studies. An Associate of Applied Science (AAS) degree is available with majors in Manufacturing Engineering Technology and Physical Therapist Assistant.

General Requirements for Associate Programs

A student must*:

- Complete the general studies and major requirements;
- Earn a minimum of 62 credit hours (100 level and above, maximum of 6 CED credit hours applicable);
- Earn an overall GPA of at least 2.0;
- Earn 20 of the last 30 credit hours at MWSU in institutional coursework (exclusive of credit by examination);
- Earn an overall GPA of at least 2.0 in those courses needed to satisfy the requirements of the selected major; and
- Participate in required departmental and campus-wide assessments.

*Some associate degree programs may require more than 62 credit hours, may require a higher GPA, may have minimum grade requirements and may have additional certification requirements. (See actual degree program for specific requirements.)

General Studies Requirements for Associate Degrees

The required general studies curriculum consists of a common core which assures that all associate degree-seeking students will be provided the opportunity to acquire knowledge and skills to:

- Think critically and reason analytically;
- Write and speak clearly and effectively;
- Function as an enlightened citizen of our democratic society ;
- Develop an appreciation of the cultural aspects of civilization;
- Appreciate the means for gaining and maintaining mental and physical health.

	<i>Credits</i>
Category One — Basic Skills	6
ENG 104 College Writing and Rhetoric (3)	
COM 104 Oral Communication (3)	
Category Two—Social Sciences	3
Select one of the following courses:	
HIS 140 American History to 1865 (3)	OR
HIS 150 American History since 1865 (3)	OR
PSC 101 American National Government (3)	
Category Three—Humanities	3
Select one of the following courses:	
ART 100 Introduction to Art (3)	OR
ENG 210 Approaches to Literature (3)	OR
ENG 220 Introduction to Reading Texts (3)	OR
HIS 200 Ancient and Medieval Civilization (3)	OR
HIS 210 Early Modern Civilization (3)	OR
HIS 230 Modern Europe: 1789 to the Present (3)	OR
HUM 203 Humanities: Ancient and Medieval (3)	OR
HUM 204 Humanities: Middle Ages to the French Revolution (3)	OR
HUM 205 Humanities: American Revolution to the Present (3)	OR
PHL 210 Introduction to Philosophy (3)	OR
MUS 101 Perspectives in Music (3)	OR
THR 113 Introduction to Theatre (3)	
Category Four—Physical Health	3
PED 101 Fitness and Wellness, including lab (3)	
TOTAL	<hr/> 15

BACCALAUREATE DEGREE PROGRAMS

Missouri Western State University offers twelve baccalaureate degrees, with majors in various fields. The baccalaureate degrees offered are:

Bachelor of Arts
 Bachelor of Fine Arts
 Bachelor of General Studies
 Bachelor of Interdisciplinary Studies
 Bachelor of Music
 Bachelor of Music Education
 Bachelor of Science
 Bachelor of Science in Business Administration
 Bachelor of Science in Education
 Bachelor of Science in Nursing
 Bachelor of Science in Technology (Two Plus Two)
 Bachelor of Social Work

The **Bachelor of Arts (BA)** degree is broadly based in the liberal arts and sciences. It is usually pursued by students who plan, upon graduation, to enter graduate school or a professional school such as law, medicine, or dentistry, and by students who plan to seek employment in the areas of the arts, languages, social work, and government service.

The **Bachelor of Fine Arts (BFA)** degree is considered a professional major degree and is recommended to anyone intending to enroll in graduate study (MFA) or work in the professional world of art.

The **Bachelor of General Studies (BGS)** degree is a degree specifically for adult learners who have delayed or interrupted their studies, or for whom their original major is no longer appropriate. It is designed to be multidisciplinary and have maximum flexibility to suit the needs of the widest variety of students.

The **Bachelor of Interdisciplinary Studies (BIS)** degree is focused on the development of broad intellectual abilities and skills rather than a large concentration within a traditional academic discipline. This degree option may be of special interest to students seeking a degree tailored to specific interest not accommodated in an established MWSU major, students who plan, upon graduation, to enter graduate or professional school and/or students transferring to MWSU with an AS or AAS degree.

The **Bachelor of Music (BM)** degree is based on more concentrated and specialized areas of study in music and is usually pursued by students who want to pursue a professional area of study or studies in music and related fields.

The **Bachelor of Music Education (BME)** degree is designed to prepare individuals for careers in teaching music, primarily in K-12.

The **Bachelor of Science (BS)** degree is based on more concentrated and specialized areas of study in one or more fields and is usually pursued by students who want to pursue a professional area of study or studies in the natural or social sciences.

The **Bachelor of Science in Business Administration (BSBA)** degree is designed for the student who desires a broad foundation in several areas related to business principles as applied in business, industry, or government.

The **Bachelor of Science in Education (BSE)** degree is designed to prepare individuals for careers in teaching.

The **Bachelor of Science in Nursing (BSN)** degree is designed to prepare individuals to practice professional nursing. The graduate is eligible to take the National Council Licensure Examination to qualify for licensure as a registered nurse.

The **Bachelor of Science in Technology "Two Plus Two" (BST)** degree is designed for the student who has completed a career-oriented associate degree program (AAS or AS) and desires the bachelor's degree with an additional concentration in an approved area of study.

The **Bachelor of Social Work (BSW)** degree is designed for the student whose goal is preparation for professional generalist social work practice.

General Requirements for Baccalaureate Programs

A student must*:

- Complete the general studies and major requirements;
- Earn a minimum of 124 credit hours, including 60 from a senior college for the following departments: Art; Biology; Chemistry; Communication & Journalism; Theatre, Cinema & Dance; Computer Science, Mathematics & Physics; Economics, Political Science & Sociology; English & Modern Languages; History & Geography; Philosophy & Religion; Music; and Psychology (100 level and above, maximum of 6 CED credit hours applicable);
- Earn an overall GPA of at least 2.0;
- Earn an overall GPA of at least 2.0 in those courses needed to satisfy the requirements of the selected major;

- Earn a minimum of 30 credit hours in upper-division courses (numbers in the 300s and 400s). Lower-division transfer courses accepted as meeting upper division departmental course requirements cannot be used to fulfill this requirement;
- Earn 12 credit hours in one foreign language for all Bachelor of Arts (BA) degrees;
- Earn 30 of the last 45 credit hours at MWSU in institutional course work (exclusive of credit by examination); and
- Participate in required departmental and campus wide assessments.

*Some baccalaureate degree programs may require more than 124 credit hours, may require a higher GPA, may have minimum grade requirements and may have additional certification requirements. (See actual degree program for specific requirements.)

General Studies Requirements for Bachelor Degrees

General Education at Missouri Western State University consists of a common core of curriculum offerings necessary to equip students for successful and fulfilled lives as educated and active citizens. The required general education curriculum consists of a broad range of courses that assures that all baccalaureate-degree-seeking students acquire academic skills and knowledge necessary for understanding, communicating, and performing in a diverse and complex world. Students completing courses in the general education program will be provided the opportunity to acquire knowledge and skills to:

- Write and speak clearly and effectively;
- Think critically and reason analytically;
- Locate, organize, evaluate, and synthesize information from print and electronic sources;
- Understand and appreciate moral values and ethical choices;
- Gain a greater awareness of the present by understanding other cultures and times;
- Understand and enjoy aesthetic experiences and share in related creative activities;
- Develop an understanding of fundamental mathematical concepts and their applications;
- Understand common phenomena in the physical and natural environment and understand the methods by which they are studied through lectures and the connected laboratory experience;
- Understand and appreciate the means of gaining and maintaining mental and physical health.

Courses meeting the first four goals concentrate on the development of basic learning skills such as communicating, higher order thinking, managing information and valuing. Other courses in the general education curriculum meet the remaining goals of knowledge acquisition in the areas of social and behavioral sciences, humanities and fine arts, mathematics, life and physical sciences, and health and physical education.

A student who has completed all MWSU general studies requirements for a baccalaureate degree may request a notation be placed on their transcript stating such by contacting the Registrar's Office.

Students earning a baccalaureate degree should select from the following general studies courses.

Category One — Basic Skills			Credits
1. MAT 110 or MAT 112 or MAT 116 or MAT 137 or MAT 147 or MAT 167			12-14
2. ENG 104	College Writing and Rhetoric (3)		AND OR
ENG 108	College Writing and Research (3)		
ENG 112	Honors Composition and Rhetoric (3)		
3. COM 104	Oral Communication (3)		

Category Two — Natural Sciences		8-10
Select a minimum of 8 credits with lab from two of the following groups:		
1. BIO	101 Principles of Biology (4)	OR
	BIO 105 Principles of Organismal Biology (4)	
2. CHE	101 Introductory Chemistry (4)	OR
	CHE 104 Fundamentals of Chemistry (5)	OR
	CHE 111 General Chemistry (5)	
3. ESC	111 Physical Geology (4)	
4. PHY	101 Physics for the Liberal Arts (4)	OR
	PHY 107 Introduction to Physics (4)	OR
	PHY 110 College Physics I (4)	OR
	PHY 210 University Physics I (5)	
5. PHY	104 Introduction to Astronomy (4)	
Category Three — Social Sciences		9
Select 9 hours with at least one course from each of the two following groups:		
1. PSY	101 General Psychology (3)	OR
	SOC 110 Introduction to Sociology (3)	OR
	SOC 120 General Anthropology (3)	OR
	GEO 100 World Geography (3)	OR
	ECO 101 Current Issues in the Economy (3)	OR
	ECO 260 Principles of Macroeconomics (3)	OR
	ECO 261 Principles of Microeconomics (3)	
2. HIS	140 American History to 1865 (3)	OR
	HIS 150 American History since 1865 (3)	OR
	PSC 101 American National Government (3)	
Category Four — Humanities		9
Select one course each from three of the following groups:		
1. HIS	200 Ancient and Medieval Civilization (3)	OR
	HIS 210 Early Modern Civilization (3)	OR
	HIS 230 Modern Europe: 1789 to the Present (3)	OR
	HUM 203 Humanities: Ancient and Medieval (3)	OR
	HUM 204 Humanities: Middle Ages to the French Revolution (3)	OR
	HUM 205 Humanities: American Revolution to the Present (3)	
2. ENG	210 Approaches to Literature (3)	OR
	ENG 220 Introduction to Reading Texts (3)	OR
	PHL 210 Introduction to Philosophy (3)	OR
	PHL 230 Ethics (3)	OR
	REL 250 Comparative Religions: Eastern Traditions (3)	OR
	REL 251 Comparative Religions: Western Traditions (3)	OR
	REL 252 Comparative Religions: Southern Traditions (3)	
3. ART	100 Introduction to Art (3)	OR
	MUS 101 Perspectives in Music (3)	OR
	THR 113 Introduction to Theatre (3)	
4.	Any 3-credit hour 100-level or higher foreign language course (3)	
Category Five — Physical Health		4
1. PED	101 Fitness and Wellness, <i>including lab</i> (3)	
2.	One lifetime sports physical activity (1)	OR
	MIL 105 (1)	
TOTAL		<hr/> 42-46

State Certification or Statutory Requirements

In the process of earning a degree, students must complete requirements for that degree and any necessary state certification requirements. If certification or statutory requirements change and additional requirements become effective during the time a student is enrolled in a program, the new requirements take precedence over previously existing degree or certification standards.

Liberal Arts and Sciences Areas of Focus

A student graduating with a major in any of the disciplines within the College of Liberal Arts and Sciences (except Medical Technology) is required to take one course designated as LAS Writing and a second course designated as LAS Computer Literacy. In addition, students with majors in the departments of Communication/Journalism, Economics/Political Science/Sociology, English/Modern Languages, History/Geography, Philosophy/Religion, and Psychology are required to take one course designated LAS Ethics, and another course designated LAS International/Intercultural. For students with majors in other LAS departments, it is only recommended that students take a LAS Ethics and a LAS International/Intercultural course. If a course is designated in more than one area, the student must choose which one of the four area requirements it will satisfy.

1. **LAS Writing.** A course in which faculty assign students both formal and informal writing in order to increase student learning, improve student writing, and initiate students into discipline-specific forms of written communication.

2. **LAS Computer Literacy.** A course designed to teach discipline-specific computer software and hardware. A partial list of skills which may be taught include: data collection and analysis, word processing, desktop publishing, ethical or human issues of computing, discipline-specific applications of computer technology.

3. **LAS Ethics.** A course in which issues of ethical concern to professionals in their major field of study are addressed. These courses will give significant attention to professional codes of ethics, case studies identifying ethical dilemmas, or issues of contemporary (or historical) social concern.

4. **LAS International/Intercultural.** A course which presents a significant recognition, awareness, and understanding of cultural or international diversity.

These courses are designated (by previous labels) in the course descriptions listed with each academic department. Preferably, students will take these courses within their major; however, students may choose to fulfill this requirement with courses outside their major.

MULTIPLE DEGREES AND DOUBLE MAJORS

Two-Year Associate Degrees

1. Prior to graduation, a student may earn a double major within an associate degree.
2. After the original associate degree has been awarded, the student is not eligible to earn an additional major. However, a second Associate degree may be earned by completing a minimum of twenty (20) additional credits beyond the original graduation credits, and satisfactorily fulfilling all requirements of the second degree program.

Four-Year Baccalaureate Degrees

1. Prior to graduation, a student may earn a double major (124 minimum credit hours, courses numbered 100-499) or a double degree (minimum 144 credit hours, courses numbered 100-499).
2. The university will confer two baccalaureate degrees during the same semester, provided the student meets graduation requirements for each degree and has earned a minimum of 144 credit hours.

3. After the original baccalaureate degree(s) has been awarded, the student is not able to earn an additional major. However, a second degree (baccalaureate or associate*) may be earned by satisfactorily fulfilling all requirements of the second degree program and, in doing so, completing a minimum of twenty (20) additional credit hours beyond the original graduation hours. *There is not an additional minimum credit hours requirement for a student returning to earn a certificate.

MINORS

A minor is a subject or course of study that provides the essence of a major discipline, but requires less intensive concentration than a major field of study. Minors are available in a variety of academic subject areas and those officially-recognized minors, as listed in the MWSU Undergraduate Catalog, will be placed on a transcript. Students must declare and successfully complete a four-year major program in order to receive credit for a minor. To earn a minor, students must attain a minimum GPA of 2.0 in minor coursework. Upon graduation, however, students may not complete or declare an additional minor unless that minor is accompanied by an additional degree and major. Minor coursework must consist of a minimum of four credit hours beyond the student's major, emphasis, concentration, and/or general studies requirements. Students cannot be awarded a minor in the same area as their major, emphasis, or concentration.

Minors at MWSU

Athletic Coaching
 Applied Computer Technology
 Art History
 Biology
 Chemistry
 Childhood Studies (Departments of Criminal Justice/Legal Studies/Social Work, Education, Health/Physical Education/Recreation, Nursing/Allied Health, English/Modern Languages, Economics/Political Science/Sociology, Psychology)
 Cinema
 Computer Information Systems
 Computer Science
 Computer Technology
 Construction Management
 Creative Writing
 Criminal Justice
 Economics
 English Literature
 English Technical Communication
 Entrepreneurship
 Finance (Accounting majors only)
 French
 Gender and Power Studies (Departments of Communication/Journalism, Criminal Justice/Legal Studies/Social Work, Education, English/Modern Languages, Economics/Political Science/Sociology, Health/Physical Education/Recreation, Philosophy/Religion, Nursing/Allied Health, Psychology)
 General Business (Non-business majors only)
 Geography
 German
 Health Informatics and Information Management
 History, European
 History, United States
 Humanities
 International Studies (Departments of Business, English/Modern Languages, Economics/Political Science/Sociology, History/Geography, Philosophy/Religion)
 Journalism

Legal Studies
 Manufacturing Technology
 Mathematics
 Military Science
 Music
 Music Technology
 Musical Theatre (Speech and Theatre majors and Vocal Music majors only)
 Peace and Conflict Studies (Departments of Communication/Journalism, Criminal
 Justice/Legal Studies/Social Work, Economics/Political Science/Sociology,
 History/Geography, Philosophy/Religion, Psychology)
 Philosophy
 Physics
 Political Science, American Government
 Political Science, International Affairs
 Psychology
 Recreation Sport Management
 Religion
 Sociology
 Spanish
 Speech and Theatre
 Speech Communication
 Theatre
 Wellness (Non-physical education majors only)

GRADUATION AND COMMENCEMENT

Application for Graduation

To be considered as a candidate for graduation, the student must declare candidacy by submitting an Application for Graduation to the Office of the Registrar. Applications are available in Eder 102 or at www.missouriwestern.edu/registrar. Payment is required at the time of application; applications are subject to late fees if submitted after the fifth day of the Fall/Spring semester and second day of the Summer term. To assure the candidates' records are reviewed prior to the final semester by the Graduate Records Coordinator in the Registrar's Office, the following deadlines must be observed:

Fall graduates—July 1

Spring graduates—November 1

Summer graduates—March 1

Students must submit documentation showing that all requirements have been met (i.e. submission of transcripts with transfer work completed, exit exams, makeup of incomplete grades) within 60 days of the end of the semester in which they plan to graduate. Students who do not meet this deadline, must file a new Application for Graduation along with the required documentation.

Graduate Honors

Students completing degree requirements with an overall GPA of 3.9 or higher will graduate with Highest Honors (summa cum laude). Those who have earned an overall GPA of 3.75 or higher but below 3.9 will graduate with High Honors (magna cum laude). Those who have earned an overall GPA of 3.5 or higher but below 3.75 will graduate with Honors (cum laude). A student earning an MWSU certificate with an overall GPA of 3.5 or higher will be awarded the certificate with honors.

Commencement

Commencement is held in December and May. Participation in commencement is voluntary on the part of the student.

Undergraduate students who complete all degree requirements in the Fall will be eligible to attend the DECEMBER commencement ceremony. Undergraduate students who complete all degree requirements in the Spring and Summer will be eligible to attend the MAY commencement ceremony. Graduate-level students should refer to the MWSU Graduate website for details on commencement.

Commencement attendance information is required on the Application for Graduation form found in the Registrar's Office or at www.missouriwestern.edu/registrar.

TRANSFER PROGRAMS

Pre-professional programs in specialized fields are offered for students who plan to transfer to a university for the completion of their studies. Students choosing these programs should select a transfer institution early and should work closely with their academic advisor and counselor. The following areas are those in which most students concerned with transfer programs express an interest: architecture, dentistry, engineering, journalism, law, medicine, optometry, pharmacy, physical therapy, veterinary medicine.

Missouri Western State University participates in professional school programs that allow students to use credit from their professional school for credit at MWSU. The following guidelines must be followed: (1) MWSU will accept a maximum of 30 semester credit hours earned in a professional school as credit toward the baccalaureate degree and thus waive the resident requirement for graduation. (2) General education requirements must be completed before the student transfers to the professional school. (3) Degree requirements in the student's major field for the baccalaureate degree must be substantially completed at Missouri Western State University with limited substitutions from the professional program as approved by the department. (4) The last 60 credit hours prior to the professional school transfer must have been completed at MWSU. (5) MWSU will grant the baccalaureate degree with written verification from the professional school upon the student's completion of the necessary coursework.

Missouri Western students have the opportunity to be selected for participation in one of three Medical School Admissions Programs which partner with MWSU: Kansas City University of Medicine and Biosciences, A.T. Still University's Kirksville College of Osteopathic Medicine, and University of Missouri-Kansas City, School of Medicine. Detailed information on these programs can be found in the Biology section of this undergraduate catalog.

Course Abbreviations

ACC	— Accounting	
ACT	— Applied Computer Technology	
ALH	— Allied Health	
ART	— Art	
BIO	— Biology	
CED	— Continuing Education	
CET	— Construction Engineering Technology	
CHE	— Chemistry	
CHI	— Chinese	
CIN	— Cinema	
COM	— Communication Studies	
CSC	— Computer Science	
DAN	— Dance	
ECO	— Economics	
ECT	— Electronics and Computer Engineering Technology	
EDU	— Education	
EET	— Electronic Engineering Technology	
EGT	— Engineering Technology	
ENG	— English	
ENT	— Entrepreneurship	
EPR	— English Public Relations	
ESC	— Earth Science	
ETC	— English Technical Communications	
FIN	— Finance	
FRE	— French	
GBA	— General Business Administration	
GEO	— Geography	
GER	— German	
HIF	— Health Informatics & Information Management	
HIS	— History	
HIT	— Health Information Technology	
HON	— Honors	
HUM	— Humanities	
INT	— International Study	
JOU	— Journalism	
LAT	— Legal Assistant	
LAW	— Criminal Justice	
MAT	— Mathematics	
MET	— Manufacturing Engineering Technology	
MGT	— Management	
MIL	— Military Science	
MKT	— Marketing	
MTE	— Medical Technology	
MUS	— Music	
NUR	— Nursing	
PED	— Physical Education	
PHL	— Philosophy	
PHS	— Physical Science	
PHY	— Physics	
PSC	— Political Science	
PSY	— Psychology	
PTA	— Physical Therapist Assistant	
RDG	— Reading	
REL	— Religion	
RSM	— Recreation Sport Management	
SOC	— Sociology	
SPA	— Spanish	
SWK	— Social Work	
THR	— Theatre	
TSL	— Teaching Second Language	
UNV	— University Orientation	

**ACADEMIC AND STUDENT
AFFAIRS PROGRAMS**

Office of Academic Affairs

Dr. Jeanne Daffron,
Provost and Vice President

www.missouriwestern.edu/acadaff

271-4364

The Division of Academic Affairs includes the College of Liberal Arts and Sciences, College of Professional Studies, School of Fine Arts, Steven L. Craig School of Business, Western Institute, Instructional Media Center, Hearnes Library and Center for Academic Support, as well as, the offices of Admissions, Grants and Sponsored Programs, Registrar, Graduate Studies, Student Success and Academic Advising Center.

GRADUATE STUDIES

Dr. Benjamin D. Caldwell,
Dean of the Graduate School

graduate@missouriwestern.edu

271-4364

www.missouriwestern.edu/graduate

Missouri Western State University offers professional master's degree programs and graduate certificates designed to respond to changing workforce needs and to prepare graduates for present and future professional opportunities. The degrees will provide graduates with the appropriate knowledge and skills required by the professions and industries. These degrees have been developed in concert with practicing career professionals and will prepare graduates for work in various professional fields.

Missouri Western offers the following Master's Degree Programs:

Post-Baccalaureate Graduate Certificates

Autism Spectrum Disorders
Forensic Investigations
Teaching of Writing
Teachers of English to Speakers of Other Languages (TESOL)
Professional Skills

Master of Applied Arts

Digital Media
Written Communication

- Writing Studies
- Technical Communication

Master of Applied Science

Applied Science

- Chemistry
- Engineering Technology Management
- Human Factors and Usability Testing
- Information Technology Management
- Industrial Life Science
- Sport and Fitness Management

Assessment

- Autism Spectrum Disorders
- Teachers of English to Speakers of Other Languages (TESOL)
- Writing

Forensic Investigations

Master of Information Management

Information Management

Master of Science in Nursing

Health Care Leadership

Further information may be obtained in the Graduate Studies Office, Popplewell 121, or by referring to www.missouriwestern.edu/graduate.

UNIVERSITY ORIENTATION COURSES

UNV 101 Foundations of University Experience (3) F, Sp, Su. Introduces students to the vocabulary and processes of critical thinking and their application to reading and writing, academic and personal skills critical for success in college and the practical application of those skills within a seminar setting. Students develop study skills, learn about campus resources and policies, and explore career options. Each section focuses upon a different seminar topic which serves as the basis for assignments and class discussions.

RESTRICTIONS: Course admission is limited to students with fewer than 24 hours of college credit from Missouri Western, including those in progress. Furthermore, this course is not open to students with credit for or currently enrolled in UNV 151.

UNV 151 Introduction to Critical Thinking (1) F, Sp. Introduces students to the vocabulary and processes of critical thinking and their application to reading and writing within a seminar setting.

RESTRICTIONS: This course is not open to students with credit for or currently enrolled in UNV 101.

UNV 205 Library Resources and Research (1) F, Sp. Develops general library skills, research techniques, and strategies for effectively accessing information. Prerequisite: UNV 101.

HONORS PROGRAMDr. Teddi Deka, *Director**Honors Office 271-4535*www.missouriwestern.edu/Honors

Dedicated to academic excellence, the nationally affiliated Honors Program at Missouri Western State University provides an enriched educational experience for the exceptional student. The program is designed for the student who enjoys learning, and whose personal goals emphasize the pursuit of understanding and knowledge. Ultimately, the program provides students with academic training and skills which will serve them well in both their chosen careers and their personal lives.

Goals of the program are to foster the growth of intellectual inquiry, independence, and initiative in honors participants with an array of learning experiences including special courses, colloquia, and independent research and study. Each honors experience is simultaneously challenging, exciting, and enjoyable.

Applications from students wishing to participate in the Honors Program are encouraged and require the satisfaction of the following admissions requirements:

Incoming Students - Incoming students should have an ACT composite score of 26 or above and have a high school GPA of 3.5 or above (on a 4.0 scale).

Current Students - Currently matriculated students, who have completed at least 15 but not more than 32 hours of course work with a GPA of 3.5 or above at MWSU or any accredited college or university, are also invited to apply for admissions into General Studies Honors. Students who have completed at least 32 hours of coursework with a GPA of 3.5 or above at MWSU or at any accredited college or university are invited to apply for admission to Major Honors.

Further information may be obtained in the Honors Program Office, Spratt Hall 202, or by consulting the website at www.missouriwestern.edu/honors.

Honors students may earn General Studies Honors and/or Majors Honors, as specified below.

General Studies Honors

To earn General Studies Honors, a student must take:

- 6 General Studies Honors courses (18-24 credit hours), earning an A or a B in each course AND
- 6 credit hours of Honors Colloquia, earning an A or a B in each colloquia
- Earn an overall GPA of 3.2 (freshmen) or 3.5 (non-freshmen)

General Studies Honors courses must be taken from faculty at Missouri Western.

Tentative Two-Year Cycle of General Studies Honors Courses

The following two-year cycle of general studies courses ensures that courses from the various categories and subcategories of the General Studies Program are available to the students. Courses from the General Studies Honors Program will be available at least once in every four-year cycle. Highly enrolled courses are offered each year. Honors sections are indicated with a section number in the 80's, such as PED 101-80. The following courses are always considered honors, regardless of section number: ENG 112, MAT 167, and PHY 210.

Fall of Even- Numbered Years	Fall of Odd- Numbered Years	Spring of Even- Numbered Years	Spring of Odd- Numbered Years
BIO 105	BIO 105	CHE 111	ART 100
CHE 111	CHE 111	COM 104	CHE 111
COM 104	COM 104	ECO 101	COM 104
ENG 112	ENG 112	ENG 112	ENG 112
ENG 210	GEO 100	ENG 210	HIS 150 or 200
HUM 203 or 205	HIS 140	HIS 210	MAT 167
MAT 167	HUM 203 or 205	MAT 167	PED 101
MUS 101	MAT 167	PED 101	PHL 210 or 230
PED 101	MUS 101	PHL 210 or 230	PHY 104 or 107
PHY 210	PED 101	PHY 104 or 107	PSC 101
PSY 101	PHY 210	PSC 101	SOC 110 or 120
REL 250 or 251 or 252	PSY 101	REL 250 or 251 or 252	
		THR 113	

Any student who is not in the Honors Program and who has a GPA of at least 3.0, may petition the Honors Committee to enroll in any honors course.

HON 195 Honors Colloquium (2) F. A selected topics course designed for students participating in General Studies Honors. Elements of General Studies courses will be interrelated. This course is restricted to first semester freshmen accepted into the Honors Program.

HON 395 Honors Colloquium (2-3) F, Sp. A selected topics course designed for students participating in General Studies Honors and/or Majors Honors. Elements of General Studies will be interrelated. This course may be repeated for credit.

HON 490 Honors Research (1-3) F, Sp. Original student research in a discipline or combined disciplines. Students enrolled in this course must be working toward Majors Honors. This course cannot be used in disciplines where research courses already exist. Prerequisite: junior or senior student and consent of instructor and Honors Director.

MAJORS HONORS

Honors students in good standing (3.5 or higher GPA) may pursue Majors Honors (honors within their major or discipline), solely, or in addition to General Studies Honors. Students are requested to contact their academic advisor and chairperson for information about Majors Honors within their discipline.

A student who is intending to achieve Majors Honors at MWSU must:

1. Indicate that intention by completing the Majors Honors Approval Form (available on the honors webpage) with his or her faculty mentor/ research advisor, and submitting it to the Honors Program office (Spratt 202) for approval.
2. If pursuing only Majors Honors: Complete 6 credit hours of Honors colloquia at the 300- level, with a grade of A or B. If pursuing both General Studies Honors and Majors Honors: Complete 4 credit hours of Honors Colloquia at the 300-level, with a grade of A or B, IN ADDITION TO the 6 credit hour colloquia requirement for General Studies Honors, for a total of 10 credit hours of Honors Colloquia.
3. Complete 2 designated upper-division courses in his or her major department, attaining a grade of A or B in each. These upper-division courses do not have to be the same for every student who elects Majors Honors in that department. The student must have approval from the supervising faculty member and department.
4. Complete a major research project or creative work in conjunction with the two courses (or in addition to them).
5. After completion, submit the Majors Honors Progress Report (available on the honors webpage) along with a copy of the completed research project that has been (or will be) presented at a regional/national venue or submitted for publication.

The Honors Office will verify successful completion of General Studies Honors and Majors Honors to the Registrar's Office. These designations will appear on the student's official transcript.

STUDENT ACADEMIC SUPPORT SERVICES **Center for Academic Support**

www.missouriwestern.edu/cas

271-4524

The Center for Academic Support is dedicated to helping students excel in college. The primary goal of the Center is to complement students' classroom instruction by providing support in the following areas: 1) tutoring in math, from Foundations for University Mathematics I (MAT081) through Calculus with Analytic Geometry I (MAT167); 2) tutoring in writing for any course on campus; 3) content tutoring for most courses on campus. The Center also sponsors study groups, Supplemental Instruction (SI), and special sessions such as graphing calculator workshops. The Center's services are designed to assist students in both their general studies and upper division courses.

Staffed by full-time professionals and trained student tutors, the Center emphasizes individualized attention and flexible services. Most students receive one-on-one tutoring, while others work in small groups or independently with computer software, books and other materials. The Center's website contains numerous handouts that students can download, a list of available content tutors, information about the staff, and a detailed explanation of services and hours.

The Center for Academic Support is located in Hearn Center 213. The services, materials and programs the Center has to offer are free to Missouri Western students. For more information or to make an appointment, call the CAS.

Student Success & Academic Advising Center

www.missouriwestern.edu/advising

271-5990

Student Success & Academic Advising Center provides a variety of interventions aimed at promoting student success and student engagement. Student Success staff also provide academic advisement for special groups of students on campus and staff are available to answer a variety of general questions related to academic advisement. Students are encouraged to visit the Student Success & Academic Advising Center in Eder Hall 209 for assistance or call for an appointment.

STUDY ABROAD & EXCHANGE PROGRAMS

www.missouriwestern.edu/studyabroad

271-4116

The Office of Study Abroad and Exchange Programs exists to offer Missouri Western students the opportunity to enrich their educational experience by studying away from the St. Joseph campus. This is achieved through institutional affiliation with several international universities and domestic organizations that provide study abroad and exchange opportunities around the world. In addition, the Office of Study Abroad and Exchange Programs sponsors several study abroad opportunities each year that are taught by Missouri Western faculty. Study abroad and exchange programs vary in length, but can last as little as a few days or extend to an entire academic year.

Students wishing to participate in a study abroad or an exchange program are encouraged to contact the Office of Study Abroad and Exchange Programs in Spratt 105. The email address is studyaway@missouriwestern.edu.

INT 100 International Study-Lower Division (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 100 credit if hours taken off campus are equivalent to a Western lower level course. By enrolling in INT 100, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 100 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

INT 200 International Study-Cultural Experience (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 200 credit if hours have no equivalent in Missouri Western's curriculum. INT 200 allows credit for a cultural experience for which there is no MWSU equivalent. By enrolling in INT 200, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 200 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

INT 300 International Study-Upper Division (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 300 credit if hours taken off campus are equivalent to upper division Missouri Western courses. By enrolling in INT 300, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 300 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

APPLIED LEARNING

www.missouriwestern.edu/appliedlearning

271-4364

appliedlearning@missouriwestern.edu

In August of 2005, Missouri Western achieved university status and was designated as having a statewide mission in applied learning. Applied learning refers to student learning that occurs in non-traditional contexts on or off the university campus, involves "hands-on learning," and can be either credit-bearing or non-credit bearing. Over 89% of Missouri Western students experience a credit-bearing applied learning course during their tenure at MWSU, and some departments require that all students complete such an experience.

Missouri Western's applied learning experiences align closely with the Missouri Department of Higher Education's high impact educational experiences and include learning communities, collaborative assignments and projects, student/faculty research, service learning, study abroad, internships/practica/student teaching and focused field experiences. The common thread among all of these experiences is that they take place outside of the typical classroom setting. Even undergraduate research, which may occur in a laboratory setting, involves presenting research findings in a conference-type setting. Internships and practica typically take place off of campus. Service-learning integrates academic content with community need in ways that enhance both student learning and community outcomes. Study abroad experiences broaden our students' perspectives to provide a richer context for the academic knowledge they are acquiring. Each form of applied learning involves moving beyond the classroom walls to apply and understand content in context.

Non-credit bearing applied learning occurs through portions of the co-curriculum, and includes a wide variety of cultural events. Participation in the co-curriculum is not required, but encouraged, for all students.

HEARNES CENTER

Three important campus resources are located in the Hearn Center: the Library, the Instructional Media Center (IMC), and the Center for Academic Support. These units are linked in a philosophy of service to students, but each is unique in what it offers. The Library provides access to print materials, some non-print materials, electronic databases, and the Internet; the Instructional Media Center provides classroom presentation equipment, instructional technology, computer lab, video/web-based production, adaptive technology, and distance education support; and the Center for Academic Support provides individualized instruction and tutoring.

LIBRARY

The Library maintains over 228,000 volumes and holds more than 1,150 journal titles. It is also a State Government Documents Depository. Microfilm, company annual reports, CD-ROM products, pamphlet files, newspapers, and Internet resources provide additional unique information for users. Through its computer-based catalog and circulation system, students can gain quick access to the Library's collection. The TOWERS online catalog and 75 plus online databases are also available via the Web. Service to clients is highly important to the Library staff. Professionally trained librarians provide individual assistance to students and other users. These librarians help locate information and materials via interlibrary loan or computerized reference data base services. Reference Chat, Book-a-Librarian, any My Librarian are additional specialized services to help the student or faculty researcher. The Library has access to a national data base of over 120 million items, assuring that clients can usually obtain the specific item needed. Group information instruction is enhanced by the availability of a specially equipped computer classroom within the library.

Comfortable surroundings are conducive to study or leisure reading. Individual carrels and small study rooms are available for quiet study while lounge seating and a coffee bar provide a pleasant setting for relaxation and recreational reading. A wireless network is available throughout the Library. Laptops are available for loan within the Library.

The library houses a 21-workstation general use computer lab which enhances accessibility to a variety of information resources. The Library is a member of the MOBIUS consortium of 63 Missouri academic libraries; plus 3 large public library systems which enhances access and distribution of materials among member libraries. Students may request materials directly online through MOBIUS.

INSTRUCTIONAL MEDIA CENTER

The IMC provides Missouri Western's faculty and students with computer and video-based technology and services to enhance educational outcomes. The IMC provides equipment, equipment maintenance, production and design services, programming, training, and consulting. The IMC also serves non-academic sectors of the University and the community. Below are summaries of the functional units of the IMC.

For assistance, please call 271-5880, visit the IMC in Hearn 149 or refer to www.missouriwestern.edu/imc.

Classroom Services facilitates the use of multimedia presentation technologies in all university classrooms and meeting rooms, consults on university projects involving computer-based technologies, and provides a variety of instructional technology services to faculty and students.

Instructional Design and Web Development Services provides training and support to help faculty design, create and implement online courses and computer-based instructional modules for face-to-face courses, with the goal of enhancing educational outcomes. This unit is also responsible for the University's Web site, and provides Web-based applications programming, reporting and database services.

Video Services provides a variety of video-based services to assist in the development and delivery of courses, programs the University's television systems, provides video-conferencing services, and participates in the development of University video-based products (e.g., promotional videos, video capture of University events).

Academic Computing Services provides oversight for academic computing labs, including supervision of student monitors and maintenance of lab software and supplies.

Engineering Services is responsible for the design, installation and maintenance of computer-based equipment in classrooms, labs and meeting rooms, and provides engineering assistance to the other areas of the IMC.

Adaptive Technology provides a wide array of services and tools to enhance the learning and teaching experiences of students and faculty with disabilities.

Cinema Equipment Cage is responsible for checking out, organizing and maintaining cinema equipment used by faculty and undergraduate and graduate students.

Graphics and Social Media provides animations and graphics for IMC projects, and maintains the University's Facebook presence.

Division of Student Affairs

Shana L. Meyer, *Vice President for Student Affairs*
slmeyer@missouriwestern.edu

271-4432

Students are central to everything we do and ensuring their success is a core value of the Division of Student Affairs. We are dedicated to supporting the university's mission of access by complementing the educational experiences of students beyond the classroom, linking them to the greater university community and providing opportunities for personal and professional growth. Successful students are those who have chosen to be involved both inside and outside the classroom. Student Affairs is ready to support, encourage and challenge you to enhance your Western experience by becoming involved.

Student Affairs is the Missouri Western Division that is focused on enhancing student growth and development through services and outside-the-classroom experiences. It is comprised of three cluster areas: Health and Wellness, Student Development and Student Services.

Health and Wellness includes services that enable students to positively engage in wellness activities and addresses learning blocks, anxieties and indecision to promote learning, personal development, and good physical and mental health. Specific departments include: Counseling Center, the Accessibility Resource Center (Disability Services), Esry Student Health Center, Recreation Services and the Baker Fitness Center.

Student Development provides services including a broad range of programs and activities that support the social, cultural and intellectual vitality of campus life. These departments include: Center for Multicultural Education, Career Development, Student Employment, Student Life (Center for Student Engagement), Nontraditional / Commuter Student Center, International Student Services and Residential Life.

Student Services includes programs that facilitate and strengthen the campus environment by using collective resources to promote good citizenship and address environmental and personal factors. The Blum Student Union, Judicial Affairs / Student Conduct, Student Government Association, and the University Bookstore make up this area.

HEALTH AND WELLNESS

Counseling Center

Counselors are available to assist students in becoming oriented to college, making a career choice and resolving personal difficulties. Areas of difficulty for which students frequently seek counseling include poor concentration, test anxiety, performance anxiety; lack of confidence, depression, time management, stress management and relationship problems. Visits to the Counseling Center are strictly confidential and information from counseling sessions will not be shared on campus or off campus without the written consent of the student. There is no charge for counseling services. The Counseling Center is located in Eder Hall 203. For more information see www.missouriwestern.edu/counseling or contact 271-4327.

Accessibility Resource Center (Disability Student Services)

Students with disabilities are provided accommodations and services as mandated by the Americans with Disabilities Act (1990). These services are tailored to their particular disability as stated in their documentation. Services may include testing in a quiet room with extended time, peer note takers, accessible seating in the classroom, interpreters for the hearing impaired and use of adaptive equipment (including a reading machine,

voice-activated computers, etc.). Students who are registered with this office provide each of their professors with a confidential form at the beginning of each semester that details what services they are provided based on their disability. Student documentation must be from within the past three years. Additional information may be found at www.missouriwestern.edu/arc or contact 271-4330. The Disability Services Office is located in Eder Hall 203N.

Esry Student Health Center

Esry Student Health Center is located on the second floor of Blum Union in Room 203. A nurse practitioner and nursing staff are available to provide assistance with health care needs through diagnosis and treatment, immunizations, health counseling and specialist referral services. The Health Center also offers a variety of educational pamphlets and information. Health records are maintained with **STRICT CONFIDENTIALITY**.

Students desiring campus residential housing are required to provide a completed Health History Form, a Tuberculosis Risk Assessment and the Immunization Documentation Form signed by their health care provider before being allowed to move into the residence halls. The policy and forms may be found at www.missouriwestern.edu/HealthServ/.

International students that do not plan to live on campus should complete the Tuberculosis Risk Assessment and the Health History Form and submit them to the Esry Student Health Center, 4525 Downs Drive – Blum 203, St. Joseph, MO 64507.

The Health Center is open 8:00-4:30, Monday through Friday. Contact the Health Center at 271-4495 for information regarding nurse practitioner hours and appointments or other questions.

Recreation Services

A full intramural sports recreation program is offered to enrolled college students and Western personnel. The program of activities includes individual, dual, team sports and special events for men, women and coeds. The intramural program encourages the development of mental, physical, emotional and social health.

In general, Missouri Western State University provides the opportunity for every individual, regardless of ability, to realize the fun of participation in a favorite sport or activity at various levels of competition. For more information, visit us at our website: www.missouriwestern.edu/recreation.

Baker Fitness Center

The Baker Fitness Center provides state of the art fitness equipment, which includes Nautilus, free weights, the HQ weight line, and aerobic equipment that consists of stair climbers, rowers, Nautilus bikes and treadmills. The Center is open to students, faculty, staff, Gold Coat members and Alumni who purchase a membership. All members must bring a valid MWSU ID; some membership restrictions apply. More information can be found at www.missouriwestern.edu/recreation/fitnesscenter or by calling 271-5946.

STUDENT DEVELOPMENT

The Center for Multicultural Education

The Center for Multicultural Education (CME) envisions a campus that is dynamic, challenging and welcoming to its diverse constituents. Toward this end, the CME will enhance student, faculty and staff understanding and appreciation of peoples, traditions and cultures, while promoting academic inquiry and self-reflection. As it is committed to developing leaders who are culturally competent and poised to create environments and communities that encourage, respect, and celebrate diversity, you will find the CME has an exciting and vibrant atmosphere.

The CME invites students to get involved by attending programs, volunteering on planning committees or visiting the office to discuss college success tips or dialogue about current issues on campus and in the community. The CME also offer community service opportunities in the St. Joseph area and beyond, throughout the year.

The Center for Multicultural Education is located in the Blum Student Union, Room 210. Visitors are always welcome. For more information contact The Center for Multicultural Education at www.missouriwestern.edu/cme or call 271-4150.

Career Development

The Career Development Center provides on-campus interviews with employers, employer fairs, career days, on-line resume referral, job vacancy bulletins, directories of employers and job search assistance to all Missouri Western students. We are proud of our graduates' successes, as they hold prominent positions in major corporations, local businesses, government services, health care and education institutions throughout the United States, as well as in foreign countries.

Staff members also conduct workshops on writing resumes, interviewing strategies, mock interviews, job searches and business etiquette. Additional tips and assistance is available on the website. For more information, visit us In Eder Hall 202, see www.missouriwestern.edu/careerdevelopment or contact 271-4205.

Student Employment

Part-time employment opportunities are posted for all students to view by the Student Employment Office. These opportunities include part-time or seasonal work in the St. Joseph and Greater Kansas City area and federal work-study positions on and off-campus, for those who qualify. Internship opportunities are also made available for application to students who want to gain practical work experience in their major academic area.

Job listings are posted on the student employment web site and all applications should be completed online at www.missouriwestern.edu/studentemployment. Students may also visit our office, located in Eder Hall 202.

Student Life (Center for Student Involvement)

The Center for Student Involvement offers campus involvement and engagement opportunities to all students. Student organizations are offered in the areas of academic/departmental, cultural/ethnic, governance, Greek life (fraternities & sororities), honorary/scholastic, political/advocacy, religious, service, sports and recreation, and special interest. Students not finding an organization that meets their interest are invited to form a new student organization. The process for starting new student organizations can be obtained in the Center for Student Involvement. Additionally, the Barbara Sprong Leadership Challenge and The Greek Leadership Academy serve to prepare Missouri Western's top students for leadership roles at Missouri Western and upon graduation.

To find out more, visit us in the Blum Student Union, Room 207, phone 271-4159, or find us at www.missouriwestern.edu/cse.

Nontraditional/Commuter Student Services

Non-Traditional/Commuter Student Services provides support and assistance for non-traditional students and for those students who are commuters to Missouri Western's campus. The Center is located in Eder Hall 200. Services and resources are also provided for Veterans and their families who attend Western. For more information refer to www.missouriwestern.edu/nontrad or contact 271-4281.

International Student Services

The International Student Services office provides orientation for incoming students, advisement on immigration matters pertaining to international students, and ongoing support for international students at Missouri Western. The international advisor can provide assistance in maintaining status, eligibility for employment on and off campus, extension of stay, changing status concerns regarding post-completion practical training and more. ISS sponsors various campus programs like the International Fair, International Lecture Series, and food tastings from around the world for the education and entertainment of all Missouri Western students. For more information, our office is located in Blum Student Union, Room 207; call 271-5998 or refer to www.missouriwestern.edu/international.

Residential Life

Residential Life is an integral part of the academic and educational mission of the University. The department provides a variety of living options and joins with students to create and maintain safe, supportive communities that promote the development of life and leadership skills. We further provide meaningful experiences and opportunities for student growth through activities and programs that recognize, address, and appreciate the needs, interests, and diversity in our population.

We are committed to continuous improvement in the quality of the residential experience. In order to fulfill our mission, the Office of Residential Life employs a variety of professional and student staff including Master's degree-level professionals as the Director, Assistant Director, and Hall Directors; and Resident Assistants, whose purpose is to assist residents in their success at Missouri Western. If you would like to learn more about campus living, please contact the Office of Residential Life, located in the Commons Building, at 383-7100, or at www.missouriwestern.edu/reslife.

STUDENT SERVICES

Blum Student Union

The Student Union is the campus center for co-curricular programs and activities. The Union houses many services for students, including the Barnes and Noble Bookstore, Java City coffee, Western Dining Hall, Food Court, Catering Services, a Student Computer Lab & printing services, lost & found, parking permits, technologically advanced event facilities, ATMs, technology charging stations, the Kelley Commons, and student commons areas. The following offices are located in the Student Union: Vice President of Student Affairs, Center for Student Engagement, Center for Multicultural Education, Missouri Western State University Police Department, Esry Student Health Center, Student Governor, Student Government Association and the Western Activities Council.

Judicial Affairs / Student Conduct

The University has a duty to establish rules and policies that all students are required to follow for the good of the community. Students have a right to expect enforcement of these rules and policies. The University expects students to abide by them as responsible members of the learning community, as to maintain an effective environment for learning; to act responsibly in accordance with good taste; to observe the General University Rules and Regulations and the city, state and federal laws; and to fully respect the rights of others. The Student Handbook on Rights and Responsibilities, (www.griff.vn/handbook) contains specific information concerning student conduct and related disciplinary action, which may include dismissal in case of serious infraction. For more information, call 271-4432.

Student Government Association (SGA)

Students of Missouri Western State University are encouraged to take part in the Student Government Association, the governing body for students. SGA is comprised of the Legislative Branch; the Executive Branch; and the Activities Branch. The Mission Statement of SGA is: The Student Government Association (SGA) at Missouri Western is committed to being an advocate for the student body, enhancing campus life and promoting the image of the University. SGA holds itself to the highest standards of: Service, Enthusiasm, Respect, Quality, Freedom, and Courage. As SGA, we lead with integrity, listening to the students and serving Missouri Western State University. Visit www.missouriwestern.edu/sga for more information, call 271-4164, or drop by Blum Union, Room 217.

University Bookstore

All required textbooks are available at the University Bookstore, in new and used copies. Many titles can now be rented or purchased in a digital format. The bookstore also stocks test guides, Sparknotes, bestselling paperbacks, and a wide variety of other books. Other items are also available at the Bookstore, including school supplies, art supplies, clothing, insignia novelty items, greeting cards, candy, and many other sundry items.

Normal Bookstore hours are from 8:00 a.m. - 5:00 p.m. Monday through Thursday and 8:00 a.m. - 4:30 p.m. Friday. Hours are extended at the beginning of each semester for your shopping convenience. More information may be found at www.missouriwestern.bncollege.com or by visiting the Bookstore on the first floor of the Blum Student Union.

Other Services and Interest Groups

SCHEDULING SERVICES

Scheduling Services is responsible for oversight of all campus facility usage and reservation and coordination of event support services. Campus facilities may be reserved and used by campus departments and student organizations free of charge (charges may apply for event support services, extensive set-up/tear-down or use of the Fulkerson Center, Griffon Indoor Sports Complex or Spring Sports Complex). Event support services include facility set-up and tear-down, campus dining, audio/visual equipment and support, sound and light production (in facilities where available), recreational and athletic equipment, and Police Department. Information about Scheduling Services may be obtained on-line at www.missouriwestern.edu/scheduling.

Priority for facility usage and governing policies are outlined in the Missouri Western Policy Guide that can be found on-line at www.missouriwestern.edu/hr.

TESTING CENTER

The Testing Center is responsible for standardized tests offered to University students, prospective students and to community residents; and monitors testing for students and community residents whose exams need to be proctored. Visit www.missouriwestern.edu/testing for more information.

INFORMATION TECHNOLOGY SERVICES

The Information Technology Services (ITS) department, located in Hearnes Center Room 110, is a technology services group that provides centralized computer services, microcomputer support, network services, and an optical character recognition scanning service. **Central Computer Systems Administration** provides support for centralized computer operations, registration of PCs, programming services, and production control services for running centralized computer based applications. **Microcomputer Support Services** provides the faculty and staff with support for hardware installation and repair service, software installation and problem resolution, hardware and software acquisition support, printer installation and repair services, and a help desk. **Network Support** provides services for network administration, printer and file sharing, wireless networking, Local Area Network (LAN), Internet, centralized servers, campus-wide data cable plant including fiber optics cable between buildings and Category-5 cable to each desktop. **Optical Character Recognition (OCR) Scanning Services** provides a scanning service for academic tests and campus elections. ITS may be contacted at 271-4354; the Help Desk is available at 271-4555; further information may be found at www.missouriwestern.edu/its.

POLICE DEPARTMENT

The Western Police Department is located on the second floor of Blum Union, Room 201. The Police Department Office is open 8:00 a.m. until 4:30 p.m. Monday through Friday.

The mission of the Police Department is to strive to provide quality service in partnership with the campus community, the city of St. Joseph, and surrounding areas to ensure a safe, secure, and pleasant environment that will support and enhance the educational experience, while helping to fulfill the entire mission of the University.

The Missouri Western Police Department has commissioned police officers on duty 24 hours a day, every day of the year. The officers assist students by responding to calls concerning thefts, vandalism, uninvited guests, fires, vehicle assists, medical assists and any emergency situation. Students may receive assistance by calling 271-4438.

Missouri Western Police Department information is also available at: <http://www.missouriwestern.edu/policedepartment>.

PARKING & SECURITY SERVICES

The Parking and Security Services Office is located in Blum Union, Room 100 (next to Barnes and Noble Bookstore). The Parking and Security Services Office is open 7:00 a.m. until 6:00 p.m. Monday through Friday. Students and staff may register their vehicles, receive their Identification Cards and obtain information about parking and other services during office hours. Parking and Security Services may be reached at 271-5666. Vehicle operation and parking regulations are also available at www.missouriwestern.edu/policedepartment/aboutparking.

GRIFFON PUBLICATIONS

The Griffon News

The Griffon News is the award-winning official student newspaper and designated campus forum for Missouri Western State University. The paper has won numerous national and state awards and has had Missouri College Journalist of the Year and Photojournalist of the Year recipients. It is published weekly during the fall and spring semesters and its weekly content and back issues are available on its website, www.thegriffonnews.com. For more information, contact **The Griffon News** in Eder Hall 221 or at 271-4446.

Griffon Yearbook

The Griffon Yearbook is a yearly campus publication that consistently wins both national and state awards. It covers all aspects of university life through both color and black and white photography, in-depth interviews, feature stories, and enlightening articles. Working for the Griffon Yearbook is a learning experience. Students apply what they have learned in their classrooms to the actual production. Students who want to become journalists learn first hand what journalism is all about. For more information, visit Eder Hall 222 or 271-4540.

ATHLETICS

Griffon Athletics consists of ten intercollegiate athletic teams, four for men (football, basketball, baseball, golf) and six for women (volleyball, basketball, softball, tennis, soccer, golf). Missouri Western is affiliated with the National Collegiate Athletic Association (NCAA) at the Division II level and competes within the Mid-America Intercollegiate Athletics Association (MIAA). The MIAA is composed of 14 institutions in Kansas, Missouri, Nebraska and Oklahoma and is widely considered the top conference at the Division II level. A varied amount of scholarship aid is available to student-athletes in each sport at Missouri Western. For more information on Griffon Athletics, visit www.GoGriffons.com.

Steven L. Craig School of Business

Dr. Mike Lane, Dean

lane@missouriwestern.edu
<http://www.missouriwestern.edu/Business/>

271-4476

Vision

We are the preferred choice for students seeking relevant business knowledge and entrepreneurial learning opportunities.

Mission

- *To provide undergraduate majors with relevant business knowledge, critical thinking abilities, and professional skills through classroom and applied learning opportunities.*
- *To integrate entrepreneurial activities into our learning processes.*
- *To engage in research that complements and expands applied, discipline-based, and pedagogical knowledge.*
- *To contribute to the leadership of Missouri Western State University as the New American Regional University serving a geographical region centered in St. Joseph, Missouri.*

The Steven L. Craig School of Business prepares professionally-oriented students for the future. To accomplish this, it offers a baccalaureate degree with multiple majors/minors that provide 1) basic skills in written and oral communication, mathematics, and computer usage, 2) broad perspectives on the world through general studies courses, and 3) knowledge of current business decision-making practices and strategic perspectives through major courses.

The Bachelor of Science in Business Administration (BSBA) graduates about 120 students per year. After graduation, these students use their knowledge and abilities to launch careers in a variety of industries. The education that students acquire in the school enables them to become promotable at their workplaces and builds a solid foundation for lifelong learning.

Business degree recipients learn in the classroom and beyond. A variety of extracurricular activities on campus and applied learning experiences off campus add significantly to the students' learning and enjoyment. These experiences complement the curriculum by providing important opportunities for students to develop interpersonal and leadership skills that will serve them throughout their lives.

ADMISSION REQUIREMENTS

The Steven L. Craig School of Business has adopted entrance requirements for the BSBA degree program to ensure that capable and committed students are placed in classes with their peers where they can learn together and from each other. Students desiring to major in business administration should declare their intent to the Steven L. Craig School of Business by completing a pre-major form if their ACT composite is less than 26 or a major form if their composite is 26 or greater. At that time, students will be assigned a business advisor who can assist them in career planning and selection of a course of study. All students with an ACT composite score of 26 or greater will be admitted without review upon completion of an application for admission to the program.

Students with an ACT composite score below that number must earn a grade point average equal to or greater than 2.5 from at least 36 university credit hours including a grade of C or better in the following courses:

- ACC201
- COM104
- ECO260 or 261
- ENG108 or 112
- GBA210 or MAT 132
- GBA211
- GBA220
- MAT112 or 116 or 137 or 147 or 167

Applications for admittance should be submitted at least one week prior to attempting registration in courses restricted to majors. Applications of transfer students (upon their request) will be given a preliminary review before MWSU's pre- or regular registration sessions.

APPLIED LEARNING

Missouri Western's Business School requires three credits of Applied Learning. These learning experiences occur outside of the classroom and enhance the students' knowledge of the workplace environment. The classes that will count as Applied Learning are ACC375 Accounting Internship, GBA370 plus GBA371 Global Viewpoint and Business Study/Travel Experience, GBA375 Business Internship, GBA445 Business Practicum, GBA480 Directed Student Research, and GBA481 Workplace Research. Other course work that is to count as Applied Learning will require approval of the School Dean. A maximum of three hours of the above course work (not including Global Viewpoint) may be counted as Business electives.

GRADUATION REQUIREMENTS

The school offers a Bachelor of Science in Business Administration degree with majors in Accounting, Finance, Management, and Marketing. To graduate with a Business Administration degree, students must:

- complete the university baccalaureate degree requirements;
- complete the courses listed for the Business Foundation;
- complete MGT416, ACC418 or MGT418, MGT419, PHL230, and 3 credit hours of Applied Learning;
- complete the courses listed for their major;
- earn a Steven L. Craig School of Business GPA of 2.0;
- have no more than 6 hours of D in major requirements;
- take all upper-level business courses for the BSBA from the Steven L. Craig School of Business or an AACSB accredited university or from a school with course-specific articulation.

At least 18 of the 24 credits in the student's major area and all of MGT416, ACC418 or MGT418, MGT419 and three credits of Applied Learning must be earned from the Steven L. Craig School of Business.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Students may take no more than 30 credit hours of Steven L. Craig School of Business courses unless they have been admitted to the Craig School. All business majors must satisfactorily complete MAT112, MAT116, MAT137, MAT147, or MAT167 with a grade of C or better plus PHL230. Students must have completed the ACC202, ECO260 and 261, FIN301, GBA211, 220 and 310, MGT201 and 350, MKT301 and PHL230 courses before entering 400-level business courses.

Business Foundation Courses required for all Bachelor of Science business majors are listed below.

Business Foundation Courses (BFC)			<i>Credits</i>
ACC	201	Introductory Financial Accounting	3
ACC	202	Introductory Managerial Accounting	3
ECO	260	Principles of Macroeconomics	3
ECO	261	Principles of Microeconomics	3
FIN	301	Financial Management	3
GBA	210	Business Statistics I	OR
MAT	132	Elementary Statistics	3
GBA	211	Business Law I	3
GBA	220	Business Communication	3
GBA	310	Business Statistics II	3
MGT	201	Microcomputer Applications	OR
CSC	201	Microcomputer Applications	3
MGT	350	Organizational Behavior	3
MKT	301	Principles of Marketing	3
TOTAL CREDITS			<hr style="width: 100%; border: 0.5px solid black;"/> 36

Additional BSBA Requirements:

MGT	416	Production and Operations Management	3
ACC	418	Accounting Information Systems	OR
MGT	418	Management Information Systems	3
MGT	419	Strategic Management	3
PHL	230	Ethics	3
Three credits of Applied Learning			3
<i>Total Additional BSBA Requirements credits</i>			<hr style="width: 100%; border: 0.5px solid black;"/> 15
TOTAL CREDITS			<hr style="width: 100%; border: 0.5px solid black;"/> 51

Major in Accounting

BFC plus Additional BSBA Requirements and all of the following:

ACC	330	Intermediate Accounting I	3
ACC	331	Intermediate Accounting II	3
ACC	333	Cost Accounting	3
ACC	336	Individual Income Tax	3
ACC	433	Auditing	3
FIN	431	International Financial Management	3
Two upper-division Business electives			6
			<hr style="width: 100%; border: 0.5px solid black;"/> 24

**BUSINESS FOUNDATION COURSES, ADDITIONAL
BSBA REQUIREMENTS, AND MAJOR CREDITS TOTAL**

75

Major in Finance

BFC plus Additional BSBA Requirements and all of the following:

ECO	460	Business & Economic Forecasting	3
FIN	310	Investments	3
FIN	321	Financial Markets & Institutions	3
FIN	401	Financial Management II	3
FIN	412	Futures and Options	3
FIN	431	International Financial Management	3
Two of the following:			
ACC330, ACC331, ACC333, ACC336, ECO363, GBA311			6
			<hr style="width: 100%; border: 0.5px solid black;"/> 24

**BUSINESS FOUNDATION COURSES, ADDITIONAL BSBA
REQUIREMENTS, AND MAJOR CREDITS TOTAL**

75

Major in Management

BFC plus Additional BSBA Requirements and all of the following:

MGT 341	Human Resource Management	3
MGT 360	Organizational Theory, Design, and Change Management	3
MGT 425	International Management	3
ECO 361	Intermediate Microeconomics	OR
ECO 364	Labor Economics	OR
ECO 461	International Trade	3

Four upper-division Business electives from the following: 12

Upper-level MGT not taken as a management major requirement, ACC330, ACC333, ACC336, FIN310, FIN321, FIN401, GBA311, MKT351, MKT381, MKT401. The four electives must be taken from at least two Business prefixes.

BUSINESS FOUNDATION COURSES, ADDITIONAL BSBA REQUIREMENTS, AND MAJOR CREDITS TOTAL 24
75

Major in Marketing

BFC plus Additional BSBA Requirements and all of the following:

MKT 311	Consumer Behavior	3
MKT 351	Professional Selling and Sales Management	3
MKT 381	Advertising and Promotion	3
MKT 401	Marketing Research	3
MKT 451	International Marketing and Trade	3
MKT 481	Marketing Management	3

Two upper-division Business electives 6

BUSINESS FOUNDATION COURSES, ADDITIONAL BSBA REQUIREMENTS, AND MAJOR CREDITS TOTAL 24
75

MINOR REQUIREMENTS

To graduate with a minor in Business, a student must have completed the requirements for a baccalaureate major and the general degree requirements of the University plus one of the sets of courses listed below. To be awarded a minor, an overall GPA of at least 2.0 must be earned in the required minor coursework. No more than 3 hours of D are permitted in the Finance minor requirements. A grade of C or better is required in all General Business minor requirements. Only students with a major outside the Steven L. Craig School of Business will be granted a minor in General Business. Only Accounting majors may minor in Finance. Any student may qualify for the International Studies or Entrepreneurship minor.

Entrepreneurship Minor (18 Credits)

ENT 201	Entrepreneurship I	3
ENT 301	Entrepreneurship II	3

Plus 12 additional credits selected from the Restricted Electives below:

- Business Majors are required to take 6 credit hours from Group I Restricted Electives and 6 credit hours not being used in their major or to satisfy general education coursework from Group II Restrictive Electives.
- Non Business Majors are required to take 6 credit hours from Group I Restricted Electives which are not required in their major, minor, or concentration and 6 credit hours from Group II.
- The CSB must approve any substitutions in the restricted electives.

Group I

ACC	201	Introductory Financial Accounting (3)
ECO	260	Macroeconomics (3)
ECO	261	Microeconomics (3)
FIN	210	Personal Finance (3)
GBA	110	Introduction to Business (3)
GBA	211	Business Law I (3)
MGT	350	Organizational Behavior (3)
MKT	301	Principles of Marketing (3)
MKT	311	Consumer Behavior (3)
MKT	351	Professional Selling & Sales MGT (3)
MKT	381	Advertising and Promotion (3)

Group II

ACT	102	Introduction to Web Page Development (3)
ACT	202	Introduction to Web Graphics (3)
ACT	302	Decision Support Systems (3)
ART	110	Beginning Drawing I (3)
ART	120	Two-Dimensional Design (3)
BIO	305	Human Ecology (3)
BIO	314	Technology and Society (3)
CET	105	Construction Materials (3)
CHE	312	Organic Chemistry II (3)
CHE	380	Environmental Chem & Chem Mgt (3)
CIN	170	Intro to Film (3)
CIN	270	Intro to Video Production (3)
CIN	372	Social Media Market & Production (3)
COM	215	Intro to Public Relations (3)
COM	305	Interpersonal Communication (3)
COM	314	Persuasion (3)
COM	324	Small Group Communication (3)
COM	334	Argument and Debate (3)
COM	410	Organizational Communication (3)
COM	415	Public Relations Campaigns (3)
ECO	375	Economics of Health Care (3)
ECO	376	Economics of the Environment (3)
EET	100	Electrical Circuits I (3)
EGT	102	Programming for Engineering Technology (3)
EGT	205	Computer-Aided Drafting I (3)
EGT	215	Computer-Aided Drafting II (3)
EGT	220	Engineering Materials (3)
EGT	350	Technical Report Writing (3)
ENG	314	Technology and Society (3)
ENG	385	Creative Writing – Prose (3)
ENG	386	Creative Writing – Poetry (3)
EPR	326	Desktop Publishing (3)
FRE	211	French for the Professional (3)
GEO	330	Economic Geography (3)
HIF	410	Human Resources & Ops MGT (3)
HUM	314	Technology and Society (3)
JOU	104	Fund Digital Photography (3)
JOU	200	Principles Mass Media/Journalism (3)
JOU/ETC	224	Intro Writing for the Internet (3)
JOU	303	Media Law and Ethics (3)
JOU	327	Publication Design (3)
JOU/ETC	328	Multimedia Authoring (3)
LAT	335	Introduction of Mediation (3)
LAT	430	Conflict Management (3)

MET	111	Manufacturing Processes (3)
MET	112	Manufacturing Methods (3)
MUS	305	Entrepreneurship in Music (3)
MUS	324	Electronics for Music Applications (3)
MUS	327	Commercial Music Seminar (3)
PSY	310	Industrial/Organizational Psychology (3)
PSY	365	Social Psychology (30)
RSM	325	Recreation Law for the Practitioner (3)
RSM	343	Promotion of Sport & Recreation Agencies (3)
RSM	360	Commercial Recreations (3)
SPA	211	Spanish for the Professional (3)
THR	140	Production Participation (3)
THR	228	Acting (3)
THR	280	Stagecraft (3)
CHI/FRE/GER/SPA	100	(3)
CHI/FRE/GER/SPA	101	(3)
CHI/FRE/GER/SPA	200	(3)
CHI/FRE/GER/SPA	201	(3)

International Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

Finance Minor

(Accounting Majors Only)

FIN	310	Investments	3
FIN	321	Financial Markets and Institutions	3
ECO	363	Money and Banking	3
ACC	330	Intermediate Accounting I	OR
ACC	336	Individual Income Tax	3
Two of the following upper-division Finance electives (3 credit hours each)			6
FIN	401	Financial Management II	
FIN	410	Portfolio Management	
FIN	412	Futures and Options	
FIN	431	International Financial Management	
TOTAL FOR MINOR			<hr/> 18

General Business Minor

(Non-business Majors Only)

ACC	201	Introductory Financial Accounting	3
ECO	261	Principles of Microeconomics	3
FIN	210	Personal Finance	3
GBA	211	Business Law I	3
MGT	350	Organizational Behavior	3
MKT	301	Principles of Marketing	3
TOTAL FOR MINOR			<hr/> 18

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the school

Waiving of any course prerequisites requires prior school authorization.

ACCOUNTING COURSES

ACC201 Introductory Financial Accounting (3) F, Sp, Su. An introduction to accounting for accounting and non-accounting majors. Accounting's role in the business environment. Accounting information acquisition, processing, reporting, and interpretation. Income statements, balance sheets, statements of cash flow, and statements of stockholders' equity and their related accounts explained from an information content perspective. Prerequisite: General studies Math. Business majors must earn a grade of C or better in MAT112, MAT116, MAT130, MAT137, MAT147, or MAT167.

ACC 202 Introductory Managerial Accounting (3) F, Sp, Su. An introduction to managerial accounting for users of managerial accounting information. Managerial accounting's functions, uses, users, and behavioral implications. Cost accounting concepts and strategic cost management. Budgeting and profitability analysis. Responsibility accounting and performance assessment. Prerequisite: ACC201.

ACC 330 Intermediate Accounting I (3) F. Analysis and interpretation of fundamental processes, assets, and equity values with related revenue and expense aspects. Prerequisite: ACC201, FIN210 or concurrent enrollment in FIN301.

ACC 331 Intermediate Accounting II (3) Sp. Continuation of the critical study of balance sheet accounts and intensive analysis of financial statements. Prerequisites: A grade of C or better in ACC330.

ACC 333 Cost Accounting (3) F, Sp. Cost accounting procedures with emphasis on the basic theory and procedures of allocating materials, labor, and manufacturing expenses in job order and process cost systems, including standard costing, variance analysis, and c-v-p analysis. Prerequisites: ACC202.

ACC 336 Individual Income Tax (3) F. The basics of individual tax such as gross income, exclusions from income, standard and itemized deductions, personal and dependency exemptions. Specific deductions such as bad debts, casualty losses and depreciation. Includes topics such as alternative minimum tax and computerized tax research. Prerequisites: BFC or CSB approval.

ACC 375 Accounting Internship (1-6) F, Sp, Su. An academic course which offers accounting majors an opportunity to integrate theory with actual business practice. Students work full-time or part-time in an accounting-related position. Anticipated learning objectives are established in a contract agreed to by the student, the on-site supervisor, and the school internship coordinator. May be repeated for a total of 6 credits. This course is one of the options that satisfies the applied learning requirement. Prerequisites: Admission to the School of Business, junior standing, an overall GPA of 2.5, and completion of ACC202, ECO260, ECO261, GBA210 or MAT132, GBA211, GBA220, and MGT201 or CSC201.

ACC 418 Accounting Information Systems (3) F, Sp. An examination of organizations' information requirements and the role of computer information systems in meeting those requirements by gathering and producing information. The coding, processing, and accounting for transactions within the organization and between organizations. Data processing concepts including the issues in acquisition, development and deployment of responsive systems; assessment of the effectiveness of information systems in business decision making; and the impacts of information systems on organizations. Same as MGT418. Prerequisites: BFC and PHL230.

ACC 432 Advanced Cost Accounting (3) DD. Cost accounting as a tool for management in the decision-making process, including quantitative methods, such as linear programming, statistical analysis, quality control, PERT, and queuing, that relate to the total business structure. Prerequisites: A grade of C or better in ACC333, BFC and PHL230.

ACC 433 Auditing (3) F, Sp. Verification of records, valuation and analysis of accounts, and presentation of conditions. Practical audit cases. Prerequisites: ACC418 or MGT418 (or concurrent enrollment) and PHL230.

ACC 434 Advanced Auditing (3) DD. Continuation of ACC433, with emphasis on computer applications; not-for-profit organization audits will be examined. The course will be taught on an informal basis allowing the student to independently plan and administer an audit. Audit report writing will be studied. Prerequisites: A grade of C or better in ACC433, BFC and PHL230.

ACC 435 Advanced Financial and Governmental Accounting (3) F. Accounting principles and procedures relating consolidated statements, partnerships, and other financial accounting topics. Principles of fund accounting budgeting, and financial reporting in governmental and not-for-profit entities. Problems and case studies required with an emphasis in theory. Prerequisites: BFC, ACC331, and PHL230.

ACC 436 Advanced Income Tax (3) Sp. Advanced problems in corporate taxation including tax-free incorporations, treatment of distributions, liquidations, and reorganizations. Partnership issues including partnership formation, basis, distributions, and termination. Qualifications for and operations of S corporations. Wealth transfer taxes such as gift and inheritance taxes. Prerequisites: BFC, ACC336, and PHL230.

ACC 450 Independent Research/Project (1-4) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Admission to the School of Business, BFC, PHL230, and School of Business approval.

ENTREPRENEURSHIP COURSES

ENT 201 Entrepreneurship I (3) F. This course examines entrepreneurship's role in society and the economy, and the process of business creation from concept through business plan. Specific issues include: creativity and innovation; industry and market research and analysis; introduction to financial statements for purposes of planning and forecasting; introduction to financing options; the review of business plans and team development of an assigned plan. Prerequisites: ENG104 and basic understanding of Microsoft Word and Excel.

ENT 301 Entrepreneurship II(3) Sp. A continuation of learning different paths to entrepreneurship - new product innovation, business acquisition and franchising, succession of the family business, and planning for corporate innovation. Students will identify a business idea, assess the feasibility of the opportunity, and develop a plan to capitalize on the opportunity. The course will culminate in the development of a business plan. As such, the course is an attempt to help students pursue their passion in a business setting. Prerequisites: ENT201 and completion of 9 credit hours of entrepreneurship minor restricted electives.

FINANCE COURSES

FIN 210 Personal Finance (3) F, Sp, Su. An applied course in the creation and implementation of financial plans for individuals. Topics include the importance of financial planning, time value of money, taxation of individuals, credit management, major purchase evaluation, insurance, personal investing, and retirement planning. Prerequisite: General studies math.

FIN 301 Financial Management (3) F, Sp. Introduction to the issues which face the financial manager of a non-financial firm; discusses financial analysis, financial market instruments, profitability, investment decisions, and capital budgeting. Prerequisites: ACC201, ECO260 or 261 and GBA210 or MAT132.

FIN 310 Investments (3) F, Sp. A course designed to help students plan and implement a personal investment plan. Topics will include setting investment goals, investing in securities such as stocks and bonds, mutual fund selection, and investing in tangible investments (including home purchases). Prerequisites: ACC201, ECO260 or 261 and GBA210 or MAT132.

FIN 321 Financial Markets and Institutions (3) F. An analysis of the theories and practices of financial institutions. Consideration of the financial services industry as a group of risk management institutions. An examination of the relationship between financial institutions and the financial markets within which they operate. Prerequisites: ACC201, ACC202, ECO260, ECO261, FIN301, GBA210 or MAT132, GBA211, and GBA310.

FIN 401 Financial Management II (3) Sp. An extension of FIN301. Financial analysis, capital budgeting, long-term financing, and mergers and acquisitions are considered at an advanced level. The impact of risk on the above topics will be analyzed. Prerequisites: BFC and PHL230.

FIN 410 Portfolio Management (3) DD. An analytical and theoretical approach to security valuation concepts, portfolio analysis and management, and options and futures; discusses both traditional and technical techniques. Prerequisites: BFC and PHL230.

FIN 412 Futures and Options (3) F. Comprehensive study of futures and options markets. History, function, mechanisms, trading techniques; and the use of these markets for price discovery, speculation, and risk avoidance (hedging) are included. Prerequisites: BFC and PHL230.

FIN 431 International Financial Management (3) F, Sp. An extension of FIN301. Methods of funds management, risk management, financing, and capital budgeting for operations outside the firm's home country. Techniques for addressing the impacts of currency differences and political risk. Prerequisites: BFC and PHL230.

GENERAL BUSINESS COURSES

GBA 110 Introduction to Business (3) F, Sp. A general survey of business organizations and their activities including accounting, economics, finance, management, and marketing. Content delivery format is designed to introduce students to the basic study skills, writing requirements, testing methods, and information sources most relevant to a business education. RESTRICTION: Course admission will be limited to students with fewer than 24 hours of college credit including those in progress.

GBA 210 Business Statistics I (3) F, Sp, Su. Basic course for students in business; data collection and tabulation, graphic representation, measures of central tendency and dispersion, probability, types of distributions, sampling estimation, hypothesis testing, simple linear regression and correlation. Concentration is on interpretation. Course includes microcomputer application. Prerequisite: General studies Math. Business majors must earn a grade of C or better in MAT112, MAT116, MAT130, MAT137, MAT147, or MAT167.

GBA 211 Business Law I (3) F, Sp. Introduction to the legal environment of business. Examines the constitutional and historical foundations of the American legal system; emphasizes contracts, personal property, bailments, and sales. Prerequisite: ENG104.

GBA 220 Business Communication (3) F, Sp, Su. Designed to meet the needs of business for better written and oral communications. Covers principles of research, organization, and presentation of written memoranda, letters, and reports. Oral presentations help develop necessary skills required in a business environment. Prerequisites: COM104 and either ENG108 or ENG112.

GBA 283 Introduction to Research Methods in Business (1-2) DD. Introduction to basic research in business. Individual and team projects involving methods for solving business-related research problems. Prerequisite: School of Business approval.

GBA 310 Business Statistics II (3) F, Sp. A brief review of Business Statistics I followed by theoretical analysis and business applications of the basic multiple regression model, advanced topics in regression analysis, analysis of variance, and selected topics in non-parametric statistics. Prerequisite: GBA210 or MAT132.

GBA 311 Business Law II (3) F, Sp. A continuation of GBA211 with emphasis on negotiable instruments and security devices under the Uniform Commercial Code; discusses partnerships, corporations, and other related areas. Prerequisites: Completion of 48 credit hours, including General Studies Category One - Basic Skills courses, and GBA211.

GBA 370 Global Viewpoint (3) Sp (odd-numbered years). The study of national and international business topics as well as the history and performance of selected companies. This is done in preparation for travel to cities in the U.S. and abroad. Students attend seminars presented by company officials. Locations, companies and topics vary by trip. May be repeated once to a different geographic location. Students who enroll in GBA370 must also enroll in GBA371 for the following summer semester. Applied learning credit is only given to those who successfully complete both courses. Prerequisite: BFC.

GBA 371 Business Study/Travel Experience (1) Su (odd-numbered years). A continuation of GBA370. Travel to distant locations to attend seminars presented by company and/or governmental officials from the host location on topics of business issues and practices. Students who enroll in GBA371 must have taken GBA370 in the previous spring semester. Applied learning credit is only given to those who successfully complete both courses. Prerequisites: GBA370 and School of Business approval.

GBA 375 Business Internship (1-6) F, Sp, Su. An academic program which offers business majors an opportunity to integrate theory with actual business practice. Students work full-time or part-time in a position related to their major. Anticipated learning objectives are established in a contract agreed to by the student, the on-site supervisor, and the school internship coordinator. May be repeated for a total of 6 credits. This course is one of the options that satisfies the applied learning requirement. Prerequisites: Admission to the School of Business, junior standing, an overall GPA of 2.5, and completion of ACC202, ECO260, ECO261, GBA210 or MAT132, GBA211, GBA220 and MGT201 or CSC201.

GBA 445 Business Practicum (3) F, Sp. The application of business concepts and theories to the problems of regional businesses. Faculty supervision of student problem-solving teams. Repeatable once for credit. This course is one of the options that satisfies the applied learning requirement. Prerequisites: Admission to the School of Business and completion of BFC and PHL230.

GBA 447 Employment Law (3) F. Examination of employment and labor laws including ADA, EEOA, Gender, Age, Race, National Origin, Worker's Compensation, Affirmative Action, Wage-Hour Law, and Privacy Legislation. Prerequisites: Completion of BFC, PHL230 and MGT341.

GBA 480 Directed Student Research (1-5) F, Sp, Su. Research on selected topics or problems on a conference basis. This course is one of the options that satisfies the applied learning requirement. Prerequisite: Completion of 90 credit hours including the BFC and PHL230 and School of Business approval.

GBA 481 Workplace Research (3) F, Sp, Su. Research conducted at the student's workplace under the joint direction of a faculty member and a supervisor/superior. This course is one of the options that satisfies the applied learning requirement. Prerequisite: Completion of 90 credit hours including the BFC and PHL230 and School of Business approval.

MANAGEMENT COURSES

MGT 201 Microcomputer Applications (3) F, Sp. Applications of productivity software such as Microsoft Office® Word, Excel, Access, and PowerPoint for careers, school, and home. Impact of technology on society by computer information systems, networks, e-commerce, and the Internet is included. Previous computer experience recommended. Same as CSC201.

MGT 305 Management of Organizations (3) F, Sp. An introductory study of organizations and their management stressing methods of planning, organizing, leading, and controlling. Examines the impacts of organizations legal and social environments, leadership, motivation, communication, and structure on organizational outcomes. Prerequisites: Completion of 45 credit hours including General Studies Category One - Basic Skills courses.

MGT 341 Human Resources Management (3) F, Sp. Policies and practices in personnel management, such as job analysis, selection of employees, placement, training, employee services, and industrial relations. Prerequisites: MGT305, PHL230, and GBA210 or MAT132 or PSY300.

MGT 350 Organizational Behavior (3) F, Sp. An introductory course in management which focuses on individual-level (micro) management issues. Studies the relationship between individuals' values, emotions, perceptions, personality and psychological capital on workplace behavior and performance. Reviews the effectiveness of alternative forms of learning, motivation, and leadership. Prerequisites: Completion of 45 credit hours including General Studies Category One – Basic Skills courses.

MGT 360 Organizational Theory, Design and Change Management (3) F, Sp. Complements Organizational Behavior. This macro management course focuses on the external context within which the organization competes, the group-level of analysis within the organization, and the structural design components of arranging human capital into organizational units. The course also examines types and forms of organizational change, learning organizations, and concepts related to power and conflict. Prerequisites: BFC and PHL230.

MGT 395 Environmental Management (3) Sp. A course focusing on the natural environment and the role that businesses play in environmental stewardship. Explores institutional and global perspectives about the regulation and economics of sustainability and environmental responsiveness. The course reviews topic areas such as environmental accounting, green marketing, green management, and the basis for stakeholder investments. Prerequisites: BFC, PHL230 and completion of General Studies Category Two - Natural Sciences, or School of Business approval.

MGT 402 Entrepreneurship (3) DD. The problems, opportunities, and methods of beginning a new business or new type of business. Examines the special needs of entrepreneurs regarding forecasting and planning, venture capital, trade finance, marketing, staffing, budgeting and cost control, and operations. Prerequisites: BFC and PHL230.

MGT 416 Production and Operations Management (3) F, Sp. Key management issues in the operations of service and manufacturing firms. Analytical methods are studied for optimization of decision-making in inventory control, planning and scheduling, material requirement planning (MRP), just-in-time (JIT), project management, quality control, etc. Prerequisites: BFC and PHL230.

MGT 417 Applied Entrepreneurship (3) Sp. This course represents an opportunity for December and/or May CSB graduates or eligible students to acquire an ownership in a business franchise. Students must be willing to relocate to the location of the business. Students must be willing and able to sign an ownership option agreement that includes initial financing provided by a donor. Students will compete for a limited number of businesses or franchises and will be selected by a committee consisting of business and/or franchise representatives. Prerequisites: GPA of 3.0 or greater plus 105 credit hours or School of Business approval.

MGT 418 Management Information Systems (3) F, Sp. An examination of organizations' information requirements and the role of computer information systems in meeting those requirements by gathering and producing information. The coding, processing, and accounting for transactions within the organization and between organizations. Data processing concepts including the issues in acquisition, development and deployment of responsive systems; assessment of the effectiveness of information systems in business decision making; and the impacts of information systems on organizations. Same as ACC418. Prerequisites: BFC and PHL230.

MGT 419 Strategic Management (3) F, Sp, Su. Examines strategic responses to problems and opportunities facing businesses in a changing global environment. Significant writing and speaking requirements. Prerequisites: Admission to the School of Business, completion of 105 credit hours including BFC and PHL230, and School of Business approval.

MGT 425 International Management (3) F, Sp. The international dimensions of management with emphasis on the environmental, organizational, and cultural challenges to businesses operating on a global stage. Prerequisite: BFC and PHL230.

MGT 431 Management Science (3) Sp. Introduces the quantitative models that support decision making in business administration. Examples of those models are linear programming, integer programming, transportation/assignment, networks, queuing theory, simulation and inventory control. This course focuses on formulating business problems into appropriate quantitative models, solving the models by using computer software and interpreting the results from the managerial point of view. Prerequisites: BFC and PHL230.

MGT 444 Organizational Staffing, Training and Safety (3) DD. This course is grounded in the comprehensive staffing model which focuses on the key components of staffing, external influences affecting staffing decisions and processes, and staffing systems management. Studies cover staffing strategies and planning, job analysis, measurement, external and internal recruitment, testing, selection, training, development, employee health and safety, and OSHA regulations. Prerequisites: BFC and PHL230.

MGT 445 Compensation and Benefits Management (3) DD. The most common types of benefit coverage for employees, the components of total reward and compensation systems, total benefits costs analysis, cafeteria plans, the U.S. Social Security system, and ERISA. Prerequisites: BFC and PHL230.

MARKETING COURSES

MKT 301 Principles of Marketing (3) F, Sp. Basic course defining marketing and its place within societies. Introduces the marketing concept, the marketing mix, and the marketing components of product, promotion, place, and price. Prerequisites: Completion of 45 credit hours including General Studies Category One - Basic Skills courses.

MKT 311 Consumer Behavior (3) F, Sp. Considers the consumer's decision process as well as the effects of both internal and external factors upon consumer purchasing behavior. The course emphasizes the application of consumer behavior theory to the development of viable marketing strategies. Completion of General Psychology is recommended prior to taking Consumer Behavior. Prerequisites: MKT301.

MKT 351 Professional Selling and Sales Management (3) F, Sp. An approach to professional selling that emphasizes the partnering aspects of relationship marketing. Includes the strategic planning of sales within a larger account strategy and managing a long-lasting relationship with the customer. The course includes aspects of sales management such as sales force motivation, monitoring and control, target setting, and selling in both consumer and business to business environments. Prerequisites: MKT301.

MKT 381 Advertising and Promotion (3) F, Sp. The promotion mix: advertising, publicity, sales promotion, and personal selling. Analyzes the management and application of promotional strategies. Prerequisite: MKT301 and MKT311.

MKT 401 Marketing Research (3) F, Sp. Application of scientific research techniques and statistical analyses of information (data) relative to sound marketing management decision-making. Prerequisites: BFC and PHL230.

MKT 431 Retail Management (3) DD. A strategic approach to retailing which concentrates on planning, implementing, and controlling such retail variables as location, personnel, merchandise, communication, price, and the strategic methods of accomplishing specific objectives. Prerequisites: BFC and PHL230.

MKT 451 International Marketing and Trade (3) F, Sp. Applies marketing mix variables to the multinational market. Considers differences in cultural, legal, language, and other environmental factors. The course also familiarizes students with commercial practices in international trade. These include different methods of payment, exchange risk coverage, customs practices, and the use of foreign trade zones. Organizational strategies to enter foreign markets such as joint ventures, foreign subsidiaries, franchising and international tendering through joint bids are also covered. Prerequisites: BFC and PHL230.

MKT 481 Marketing Management (3) F, Sp. Students integrate all elements of the marketing program to make decisions in actual business situations. The objectives of this course are for students to develop an ability to employ strategic analysis tools and refine problem-solving and decision-making skills. Prerequisites: BFC, MKT401 and PHL230.

School of Fine Arts

Dr. Robert Willenbrink, *Founding Dean*
www.missouriwestern.edu/sfa

271-4515

Departments of:
Art
Music
Theatre, Cinema & Dance

The faculty, students and staff of the School of Fine Arts believe that the arts are woven intricately into the fabric of University life and the performing and visual arts are central to the educational mission of any university, especially at an outstanding institution like Missouri Western State University. The knowledge and experience gained from participating in and viewing the performing and visual arts fosters the acquisition of new perspectives on the social, cultural and historical traditions of the world and teaches students creative ways to address the challenges of daily life. As educators we offer our students unique opportunities and practical, applied experiences designed to prepare them to be successful artists, scholars, educators and productive citizens. We inspire our students with our passion for learning and creating while motivating them to grow academically, professionally and personally.

By providing classroom instruction and comprehensive studio practice we share with our students the wealth of human knowledge that is expressed through world drama, cinema, music, visual art, dance and the collaborative, creative process. Our instruction enables students to develop the intellectual and performance skills needed to pursue a career in the arts and address the emerging problems, issues and concerns of a diverse and vibrant society. As educators we are dedicated to cultivating an open, creative environment that fosters the development of the student as artist, teaches the respect of the individual as human and artist, facilitates the understanding of other cultures and instills the values inherent in collaborative achievement. As educators we provide artistic and educational experiences that allow students to build a foundation for a career and enhance the cultural lives of our students and the community.

The faculty and staff of the School of Fine Arts are committed to:

1. Providing our constituents and with a challenging academic environment that promotes risk-taking and facilitates an examination of human values, cultural diversity and social issues;
2. Delivering a curriculum that provides students with a working knowledge of all areas of the visual and performing arts;
3. Educating our students in the general practices and opportunities found in art, music, cinema, theatre, musical theatre and dance;
4. Supporting and maintaining active, applied programs where students have the opportunity to learn and develop artistic skills and participate in the wide spectrum of world drama, cinema, dance, music and visual art;
5. Assisting students in the development of a foundation for a career as a performer, musician, artist, designer, dance professional, graduate student, educator or professional in an allied field;

6. Teaching the importance of high standards of personal and professional integrity;
7. Contributing to the education, entertainment and cultural life of our community by providing outstanding performances and artistic experiences to the region.

Department of Art

Peter Hriso, *Chairperson*

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271-4282

<http://www.missouriwestern.edu/Art/>

The Department of Art provides a foundation of knowledge and skills in the visual arts. Students may elect the following degree programs: the Bachelor of Science in Education, the Bachelor of Fine Arts in Studio, the Bachelor of Fine Arts in Digital Animation or the Bachelor of Fine Arts in Graphic Design, and a Minor in Art History. The B.S.E. in Art Education is designed for students who wish to teach art in public schools. The B.F.A. degree is considered a professional major degree and is recommended to anyone intending to enroll in graduate study (M.F.A.) or work in the professional world of art. For the B.F.A. in Studio, the art student may select a concentration in one of the following areas: (1) Drawing, (2) Illustration, (3) Painting, (4) Photo Media, (5) Printmaking, (6) Sculpture or (7) Ceramics. Only one concentration may be declared. This should be done after the freshman year and B.F.A. studio foundation courses have been satisfied. The B.F.A. in Graphic Design or Digital Animation prepares the student to enter the world of work or continue study in graduate school. The BFA in Studio Applied Emphasis in Art Therapy readies the student to enter any graduate art therapy program associated with the American Art Therapy Association. Completion of the Art Therapy Program provides all the prerequisites for enrollment in this professional graduate program that issues certification (ATR) and Board Certified official recognition (ATR-BC). Without graduate education a candidate will not be issued certification and will not be able to practice as an art therapist. The Art Therapy program prepares MWSU graduates for entrance into graduate programs accredited with the American Art Therapy Association. Additional information may be gained by discussion with the department chair or through personal research into the accrediting graduate schools or the ATR website www.americanarththerapyassociation.org. The minor in Art History gives a broad overview of the history of art.

Studio courses and historical-critical studies are an integral part of each program. They introduce the student to a wide variety of media and techniques while providing opportunities to deal with problems related to professional practice. Historical-critical studies acquaint the student with artistic styles, movements and aesthetic problems in art and place them in historical perspective.

The Department of Art has an active gallery exhibition program and endeavors to expose students to regional and national artists working in the area of visual communication. Studio workshops, critiques, seminars and lectures by professional artists and scholars, as well as field trips to the numerous galleries and museums in the St. Joseph/Kansas City area, are an integral part of many class experiences.

ADVISEMENT

All first time freshman and transfer students entering the art program must see the chairperson of the department who will discuss curriculum and options in the department. The chair will also lift the "advising block" to enable the student to register for classes. This block is in place each semester and can be lifted only after consultation with an advisor. Once a student declares a major and/or a concentration, the CDA will designate a faculty member in the chosen program for further supervision.

Art students must consult with their faculty advisors each semester. Students majoring in art are required to undergo a Major Review of their work. The Major Review is an evaluation of students' preparation towards their professional expectation. At the beginning of students' third course in the major, typically in the first junior semester, students assemble a portfolio of studio work produced at Missouri Western State University. The

student is responsible for scheduling the Major Review with their advisor and submitting a representative sampling of work for examination by the art faculty. The consent of this committee based on portfolio, presentation, professional demeanor and overall ability is necessary before the student enrolls in further study in the department. All art majors must pass this review before they are allowed to enroll in ART494. Students must take the review two semesters before graduation.

DECLARING A MAJOR OR MINOR

All students should complete a pre-major form at the beginning of study in the department. No student may declare a major in Art until the first three courses (ART110, ART120 and ART130) have been completed with a required grade-point average of 2.5. Art Education students are under the same departmental requirements, plus they have additional obligations from the Education Department. In addition to completing the Freshman Core, B.F.A. Studio candidates must successfully pass the additional B.F.A. Foundation Core before declaring a concentration. B.F.A. Graphic Design majors must pass the freshman core, ART160, and ART170 before advancing to the graphic design program. B.F.A. Digital Animation majors must pass the freshman core, ART160, and ART170 before advancing to the digital animation program. Art History Minors should complete the Minor form as soon as possible in their departmental studies. Art History Minors should maintain a B or better average in their art history coursework.

Students are strongly encouraged to complete the first three courses of the Freshman Core during the first semester at MWSU. Further study in the department will be denied unless the student receives a GPA of 2.5 in these three courses. The student is also urged to take the subsequent studio components of ART160 and ART170 of the foundation core curriculum during the second semester at MWSU. Failure to do so will disrupt sequential prerequisite restrictions and add additional time to degree completion.

GRADE REQUIREMENTS

A grade of C or better must be earned in all classes required of the major.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS FOR ART EDUCATION

The B.S.E. in Art Education requires a number of education courses and assessments including but not limited to a 2.75 overall GPA, major GPA of 3.0, successful completion of the Missouri General Education Assessment (MoGEA) and an ACT score on file.

BACHELOR OF SCIENCE IN EDUCATION

Major In Art

Foundation Core Curriculum			<i>Credits</i>
ART	110	Beginning Drawing I	3
ART	120	Two-Dimensional Design	3
ART	130	Introduction to Tools & Techniques	2
ART	160	Beginning Drawing II	3
ART	170	Three-Dimensional Design	3
ART	205	Ancient through Medieval Art	3
ART	140	Ceramics I	3
ART	255	Renaissance through Modern Art	3
ART	257	Art Theory & Criticism	3
ART	300	Elementary Art Teaching: Philosophy & Methods	3
ART	339	Printmaking I	3
ART	350	Secondary Art Teaching: Philosophy & Methods	3
ART	359	Photomedia I	3
ART	369	Painting I	3

ART	379	Sculpture I	3
ART	494	Senior Seminar & Exhibit	1
ART	xxx	Art History Courses	6
		TOTAL	51

BACHELOR OF FINE ARTS Digital Animation

Foundation Core Curriculum

			<i>Credits</i>
ART	110	Beginning Drawing I	3
ART	120	Two-Dimensional Design	3
ART	130	Introduction to Tools & Techniques	2
ART	160	Beginning Drawing II	3
ART	170	Three-Dimensional Design	3
ART	205	Ancient through Medieval Art	3
ART	210	Animation Fundamentals	3
ART	229	Design Software Applications	3
ART	250	Motion Graphics	3
ART	255	Renaissance through Modern Art	3
ART	310	Intermediate Drawing	3
ART	321	Digital 3D Modeling	3
ART	325	Digital 3D Lighting	3
ART	453	Digital Animation	3
CIN	270	Introduction to Video Production	3
THR	228	Acting I	OR
ART	333	Typography	OR
ART	315	Illustration I	3
ART	459	Character Animation	OR
ART	465	Digital Animation Production	3
ART	349	Interactive Design I	3
ART	494	Senior Seminar and Exhibit	1
PLUS		9 additional credits of advance study in Major	9
PLUS		9 additional credits in guided art electives	9
PLUS		6 additional hours Art History	6
		TOTAL	78

BACHELOR OF FINE ARTS Graphic Design

Foundation Core Curriculum

			<i>Credits</i>
ART	110	Beginning Drawing I	3
ART	120	Two-Dimensional Design	3
ART	130	Introduction to Tools & Techniques	2
ART	160	Beginning Drawing II	3
ART	170	Three-Dimensional Design	3
ART	205	Ancient through Medieval Art	3
ART	229	Design Software Applications	3
ART	255	Renaissance through Modern Art	3
ART	140	Ceramics I	OR
ART	379	Sculpture I	3
ART	310	Intermediate Drawing	3
ART	315	Illustration	3
ART	329	Graphic Design I	3
ART	333	Typography	3
ART	339	Printmaking I	3
ART	349	Interactive Design I	3
ART	359	Photomedia I	3
ART	369	Painting I	3
ART	388	Interactive Design II	3
ART	395	Graphic Design II	3
ART	493	Internship	3

ART 434	Directed Reading	2
ART 492	Graphic Design III	3
ART 494	Senior Seminar and Exhibit	1
ART 495	Graphic Design IV	3
ART 488	Final Portfolio	3
PLUS	6 additional hours Art History	6
TOTAL		77

BACHELOR OF FINE ARTS Studio

Foundation Core Curriculum		Credits
ART 110	Beginning Drawing I	3
ART 120	Two-Dimensional Design	3
ART 130	Introduction to Tools & Techniques	2
ART 140	Ceramics I	3
ART 160	Beginning Drawing II	3
ART 170	Three-Dimensional Design	3
ART 205	Ancient through Medieval Art	3
ART 229	Design Software Applications	3
ART 255	Renaissance through Modern Art	3
ART 349	Interactive Design I	3
ART 369	Painting I	3
ART 379	Sculpture I	3
TOTAL		35

ADDITIONAL CURRICULUM

ART 310	Intermediate Drawing	3
ART 315	Illustration	3
ART 329	Graphic Design I	3
ART 339	Printmaking I	3
ART 359	Photomedia I	3
ART 434	Directed Reading	3
ART 450	Independent Research	3
ART 494	Senior Seminar and Exhibit	1
TOTAL		21

PLUS 6 additional hours Art History

TOTAL 3
6

AREA OF APPLIED EMPHASIS

15 additional credits in area of applied emphasis	15
TOTAL	77

BACHELOR OF FINE ARTS Studio with applied emphasis in Art Therapy

DEGREE REQUIREMENTS

The B.F.A. Studio with applied emphasis in Art Therapy requires a 3.0 overall GPA at graduation. In addition, the following courses should be taken early in the curriculum as they are prerequisites for courses in this degree: PSY101, SOC110, MAT116, ENG108 or 112 and COM104. Since this is an Art degree all prospective students must pass the entrance requirement into the department of ART110 Beginning Drawing I, ART120 Two-Dimensional Design and ART130 Tools and Techniques and pass these three courses with a grade point average of 2.5. With this in mind, students are urged to take these three courses immediately after entrance to the university.

Foundation Core Curriculum

			<i>Credits</i>
ART	110	Beginning Drawing I	3
ART	120	Two-Dimensional Art	3
ART	130	Introduction to Tools and Techniques	2
ART	140	Ceramics I	3
ART	160	Beginning Drawing II	3
ART	170	Three –Dimensional Art	3
ART	205	Ancient through Medieval	3
ART	229	Design Software Applications	3
ART	255	Renaissance through Modern	3
ART	349	Interactive Design I	3
ART	369	Painting I	3
ART	379	Sculpture I	3
TOTAL			35

ART THERAPY EMPHASIS

ART	133	History and Introduction to Art Therapy	3
EDU	225	Educational Psychology	2
PSY	230	Psychology and Communication	3
PSY	235	Psychology of Personality	3
PSY	240	Life-Span Development	OR
PSY	319	Child Psychology	3
PSY	300	Psychological Statistics	3
PSY	301	Psychological Research Methods	3
PSY	309	Abnormal Psychology	3
SOC	310	Deviant Behavior	3
EDU	315	Psychology and Education of the Exceptional Child	2
COM	345	Nonverbal Communication	3
SOC	360	Sociology of Health, Illness an Medicine	3
EDU	420	Counseling Techniques/Parents	2
ART	493	Internship in Art Therapy	3
TOTAL			39
Plus 3 Hours of Additional Art History			3
TOTAL			77

MINOR IN ART HISTORY

ART	205	Ancient through Medieval	3
ART	255	Renaissance through Modern Art	3
ART	257	Art Theory and Criticism	3
ART	356	American Art: Columbus to 1865	3
ART	357	American Art since 1865	3
ART	456	Art in the Age of Modernity	3
ART	457	Art since 1945	3
Plus three additional hours from the following:			
ART	324	Topics in the History of Cinema	OR
ART	335	Aesthetics and the Arts	OR
ART	381	In-Site Art and Cultural Experience	OR
ART	450	Independent Research/Project	3
TOTAL			24

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

HISTORY AND APPRECIATION OF ART COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ART 100 Introduction to Art (3) F, Sp, Su. General background in the history, philosophy, principles, and techniques of the visual arts.

ART 133 History and Introduction to Art Therapy (3) F. General background in the history, philosophy, principles, and techniques of Art Therapy and its applications. Emphasis will be placed on importance of graduate credits for certification and the professional world of work.

ART 205 Ancient through Medieval Art (3) F. History of art in western civilization: prehistoric times through the Middle Ages. LAS Writing.

ART 255 Renaissance through Modern Art (3) Sp. History of art in western civilization: Renaissance through modern times. Prerequisite: ART205. LAS International/Intercultural.

ART 257 Art Theory and Criticism (3) F. A practical, experience-based multi-disciplinary introduction to contemporary and classic approaches to art theory and criticism. Same as PHL257. Prerequisites: ART205 and ART255, or permission from the instructor or departmental approval. LAS Writing.

ART 324 Topics in the History of Cinema (3) DD. Viewing and discussion of thematic concepts of cinema from genre of films, auteur theory of directors and other related topics. Prerequisites: ART110, ART120, ART130, ART205, and ART255, or permission from the instructor or departmental approval.

ART 335 Aesthetics and the Arts (3) Sp (even-numbered years). Survey of modern theories of aesthetic experience and the arts with reference to classical and contemporary views. Same as PHL335. Prerequisite: ART257.

ART 356 American Art: Columbus to 1865 (3) F (even-numbered years). Development of art in the United States. Prerequisites: ART205 and ART255.

ART 357 American Art since 1865 (3) Sp (even-numbered years). Architecture, decorative arts, painting and sculpture since the Civil War. Prerequisites: ART205, ART255, and ART356.

ART 381 IN-Site Art and Cultural Experience (2-3) DD. Directed studio and art history opportunities for students off-campus. Prerequisite: Permission of instructor or departmental approval.

ART 450 Independent Research/Project (3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared Art major, minimum major GPA of 2.5, and departmental approval.

ART 456 Art in the Age of Modernity (3) F (odd-numbered years). Major movements of the 19th and 20th centuries focusing on painting, sculpture and architecture. Prerequisites: ART205 and ART255.

ART 457 Art since 1945 (3) Sp (odd-numbered years). The latest trends, theories and technologies in visual and conceptual art. Prerequisites: ART205, ART255, and ART456.

ART 493 Internship in Art (2-6) F, Sp, Su. Practical guided experience in a range of design, graphic art, typography, illustration, photography and publications tasks. Prerequisites: Junior or senior standing, declared Art major, portfolio review, ART329, ART359, and departmental approval.

ART 494 Senior Seminar and Exhibit (1) F, Sp. Class session on professional topics; preparation and presentation of an exhibition of the student's personal art work. Prerequisite: Junior review and departmental approval.

STUDIO ART COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ART 110 Beginning Drawing I (3) F, Sp. Elementary drawing with the figure, still life, landscape, and perspective in various media. Six studio hours.

ART 120 Two-Dimensional Design (3) F, Sp. Design principles and fundamentals in two-dimensional media using a problem-solving approach. Six studio hours.

ART 130 Introduction to Tools and Techniques (2) F, Sp. Basic skills with studio hand tools and power equipment; emphasizes safety procedures. This course is a prerequisite for any studio art course except ART110 and ART120. Four studio hours.

ART 140 Ceramics I (3) F, Sp. Traditional and contemporary approaches to ceramics as an art form; emphasizes technical, historical, and aesthetic problems. Six studio hours.

ART 160 Beginning Drawing II (3) F, Sp. The figure in various media; still life, landscape, and nonobjective directions; problems dealing with the complete drawing. Six studio hours. Prerequisites: A cumulative GPA of 2.5 or better in ART110, ART120, and ART130.

ART 170 Three-Dimensional Design (3) F, Sp. Emphasis on form and composition using a problem solving approach; exploration of a wide variety of three-dimensional materials and processes. Six studio hours. Prerequisites: A cumulative GPA of 2.5 or better in ART110, ART120, and ART130.

ART 210 Animation Fundamentals (3) F, Sp. Study of the fundamentals principles and mechanics of motion through animation. Students explore timing, spacing, weight, staging an image for clarity, emotion and storytelling, and learn to apply and manipulate the fundamental concepts to creatively animate an idea. May be repeated for up to 4 times for credit. Prerequisites: ART110, ART120, ART130, ART160, ART170 and credit or concurrent enrollment in ART229.

ART 229 Design Software Applications (3) F, Sp. Introduction to computer hardware, software and peripherals commonly used by professional artists. Beginning projects utilizing computer-assisted design. Prerequisites: ART110 and ART120. LAS Computer Literacy.

ART 250 Motion Graphics (3) F, SP. This course is an introduction to Motion Graphics and Compositing, which includes the categories of commercial, interactive, broadcast, main title and music video. The course will include lectures, showcases and demonstrations of the history, techniques and applications of motion graphics in media. May be repeated up to 4 times for credit. Prerequisites: ART110, ART120, ART130 and credit or concurrent enrollment in ART229.

ART 300 Elementary Art Teaching: Philosophy and Methods (3) F, Sp, Su. Current methods and materials for the teaching of art in the elementary grades; theory and experience with elementary school art projects. Prerequisites: EDU202 and MUS101. Elementary education majors may not take this course until officially admitted to teacher education.

ART 310 Intermediate Drawing (3) F. The figure in various media; still life, landscape, and nonobjective directions; intermediate problems dealing with the complete drawing. Six studio hours. Prerequisite: ART160.

ART 315 Illustration I (3) F, Sp. Techniques and media used in the production of drawings for commercial purposes. Six studio hours. Prerequisites: ART110, ART120, ART130, ART310, and ART369. LAS Ethics.

ART 320 Ceramics II (3) F, Sp. Hand building and throwing techniques; introduces kiln firing and glaze formulation. Six studio hours. Prerequisite: ART140.

ART 321 Digital 3D Modeling (3) F. Working with industrial 3D modeling software, this course provides an introduction to 3D model design. Students will learn how to utilize modeling techniques and applications, and gain a basic understanding of 3D modeling to design organized virtual models. May be repeated for credit. Prerequisites: ART110, ART120, ART130, ART160, ART170 and credit or concurrent enrollment in ART210 and ART229.

ART 325 Digital 3D Lighting (3) Sp. Study beginning rendering techniques using industry standard renders. Create custom shaders work with lighting and develop an understanding of the rendering and lighting process. May be repeated for credit. Prerequisites: ART110, ART120, ART130, ART160, ART170, ART210, ART229 and ART321.

ART 329 Graphic Design I (3) F, Sp. An introduction to the practical and theoretical aspects of graphic design, focusing on the exploration of conceptual ideas and the development of visual problem-solving skills. Identity systems, principles of symbology, and the fundamentals of page layout will be explored. Six studio hours. Prerequisite: ART110, ART120, ART130, ART160, ART170, and credit or concurrent enrollment in ART229. LAS Computer Literacy.

ART 333 Typography (3) F. A study of the principles and practices of historic and contemporary typographic design focusing on such factors as size, form, contrast, color, spacing and design of the printed word and printed page. Students learn typographic structure and informational hierarchies while exploring both the formal and expressive qualities of type. Six studio hours. Prerequisite ART110, ART120, ART130 and credit or concurrent enrollment in ART229.

ART 339 Printmaking I (3) F, Sp. Relief and intaglio printmaking processes. Six studio hours. Prerequisites: ART120, ART130 and ART160.

ART 340 Printmaking II (3) F, Sp. Continued exploration of relief and intaglio processes. Six studio hours. Prerequisite: ART339.

ART 345 3D Modeling & Design Processes (3) Sp. This course will investigate the creation and manipulation of three-dimensional forms and environments using experimental methods – primarily digitally based methods coupled with new forms of output such as 3D printing. Prerequisite: ART110, ART120, ART130 and ART170 plus permission of instructor.

ART 349 Interactive Design I (3) F. Introduction to web design from an art and design perspective. Use of techniques and practices involved in web site creation that incorporated a strong visual language as well as interactive elements such as motion and sound will be explored. Prerequisites: ART110, ART120, ART130, and ART229.

ART 350 Secondary Art Teaching: Philosophy and Methods (3) Sp. Teaching methodologies and materials for the secondary school art teacher; design of appropriate art learning experiences for the adolescent. Prerequisite: ART300.

ART 359 Photomedia I (3) F, Sp. Black-and-white photographic processes and problems; student must have access to a camera with adjustable aperture and shutter speed. Six studio hours. Prerequisites: ART110, ART120, and ART130.

ART 360 Photomedia II (3) F, Sp. Continued study of black and white photographic processes and problems with an introduction to some color photographic processes and problems. Digital imaging will also be included. Six studio hours. Prerequisite: ART359.

ART 369 Painting I (3) F, Sp. Color, composition, and technique; the figure, still life, and nonobjective problems. Six studio hours. Prerequisites: ART130 and 6 credit hours in drawing.

ART 370 Painting II (3) F, Sp. Continuation of exploration with color, composition, and technique; figurative and nonobjective directions. Six studio hours. Prerequisite: ART369.

ART 375 Illustration II (3) F, Sp. Exploration of techniques, craftsmanship and conceptual skills to provide understanding of illustration and its function in design for commercial purposes. Prerequisites: ART110, ART120, ART130, ART310, ART315, and ART369.

ART 379 Sculpture I (3) F, Sp. Basic foundations in sculpture: theory, techniques, materials, processes. Six studio hours. Prerequisites: ART130 and ART170.

ART 380 Sculpture II (3) F, Sp. Sculptural theory, concepts, techniques, materials, and processes at the intermediate level. Six studio hours. Prerequisite: ART379.

ART 388 Interactive Design II (3) F. Introduction to compositional techniques for the application of real-time and interactive time-based forms in digital media design. Prerequisites: ART110, ART120, ART130, ART229, and ART349.

ART 395 Graphic Design II (3) Sp. Further investigation into the concepts and processes of visual communication. Emphasis will be placed on typographic design concepts, color usage, image generation and development, and creative problem solving. Branding strategies, corporate identity, and packaging design will be introduced. Six studio hours. Prerequisites: Declared Art major, ART229, and ART329 with a grade of C or better.

ART 410 Advanced Drawing (3) F. The figure in various media; advanced problems dealing with drawing as a complete form. Six studio hours. May be repeated for credit. Prerequisite: ART310.

ART 420 Ceramics III (3) F, Sp. Advanced techniques and problems in ceramics. Six studio hours. May be repeated for credit. Prerequisite: ART320.

ART 434 Directed Reading (2) F, Sp. Directed readings and reports on specific art movements, techniques and artists relevant to the student's area of concentration. May be repeated once for credit. Prerequisites: Senior standing, ART110, ART120, and ART130.

ART 440 Printmaking III (3) F, Sp. Advanced problems in relief, intaglio, and serigraphy processes. Six studio hours. May be repeated for credit. Prerequisite: ART340.

ART 449 Interactive Design III (3) F. Introduction to compositional techniques for the application of real-time and interactive time-based forms in digital media design. Prerequisites: ART110, ART120, ART130, ART229, and ART399.

ART 453 Digital Animation (3) Sp. Students will learn to create believable and natural 3D computer animations with a combination of several different techniques. Movements of objects, actors and cameras along with animated effects of attributes will be demonstrated and discussed. May be repeated for credit. Prerequisites: ART110, ART120, ART130, ART160, ART170, ART210, ART229, ART321, and credit or concurrent enrollment in ART325.

ART 459 Character Animation (3) F. This course emphasizes the practical and theoretical principles of character animation. Students will explore how to put personality into characters and develop skills to create characters that act. The exercises will provide a foundation for comprehending the underlying techniques for capturing expression of emotions in animation. May be repeated for credit. Prerequisites: ART110, ART120, ART130, ART160, ART170, ART210, ART229, ART321, ART325, and ART453.

ART 460 Photomedia III (3) F, Sp. Advanced study of black and white and some color photographic processes and problems. Six studio hours. May be repeated for credit. Prerequisite: ART360.

ART 465 Digital Animation Production (3) DD. Advanced exploration and development in digital animation production. This course is intended to provide students an opportunity to focus on advanced techniques used in the production of 3-D digital animation. May be repeated 4 times for credit. Prerequisites: ART453.

ART 470 Painting III (3) F, Sp. Advanced problems dealing with color and composition; figurative and nonobjective directions. Six studio hours. May be repeated for credit. Prerequisite: ART370.

ART 475 Illustration III (3) F, Sp. Continuation of problem solving and development of personal style for the marketplace. Exploration of business practices and expectations. Work towards personal promotion and portfolio presentation. May be repeated for credit. Prerequisites: ART110, ART120, ART130, ART310, ART315, ART369, and ART375.

ART 480 Sculpture III (3) F, Sp. Advanced techniques in various media emphasizing individual experience. Six studio hours. May be repeated for credit. Prerequisite: ART380.

ART 488 Final Portfolio (3) Sp. All aspects of portfolio development, production and presentation. Elements of professional work application and self-promotional expectation in the professional field. Prerequisites: ART110, ART120, ART130, ART349, and ART492.

ART 492 Graphic Design III (3) F. Further investigation into design communications by exploring page layout systems, grid structures, informational design, editorial design, and multi-page formats. Principles of advertising design and layout will be explored. Six studio hours. Prerequisites: ART395 with a grade of C or better.

ART 495 Graphic Design IV (3) Sp. Advanced study in a self-defined area of visual communication. This class consolidates previous graphic design knowledge and skills, and offers the student an opportunity to focus on a major, self-initiated design project or problem. Six studio hours. Prerequisites: ART492 with a grade of C or higher.

Department of Music

Dr. Lee Harrelson, *Interim Chairperson* rharrelson1@missouriwestern.edu 271-4420
<http://www.missouriwestern.edu/Music/>

The Department of Music provides a curriculum for the training of musicians and music educators. It is primarily concerned with improving the skills and disciplining the talents of music majors. The department also offers courses and activities for all college students to enhance their appreciation and understanding of music. Students are encouraged to broaden their contact with music by attending the many cultural programs in St. Joseph and area concert halls and by participating in programs by student musicians. The Department of Music is an accredited institutional member of the National Association of Schools of Music.

All music major degree programs have a concert/recital attendance applied learning activity requirement. To complete the degree, the student must attend 12 approved performances each semester for a total of 6 semesters. This is in addition to all coursework for any music major degree. Attendance requirements and an approved listing of concerts/recitals are provided at the beginning of each regular semester.

BACHELOR OF ARTS DEGREE REQUIREMENTS

The BA requires at least 12 credits in a single foreign language.

Candidates for the Bachelor of Arts degree must complete the 200-level "Applied Music-Major Instrument" requirements for graduation.

Major in Music

Core Requirements

		<i>Credits</i>
MUS 100	Concert/Recital Attendance-6 semesters	0
MUS 101	Perspectives in Music	3
MUS 117	Theory and Analysis 1	2
MUS 118	Aural Training 1	1
MUS 206	Keyboard Proficiency 1	2
MUS 217	Theory and Analysis 2	2
MUS 218	Aural Training 2	1
MUS 304	Form and Analysis	2
MUS 310	Music History I	2
MUS 311	Music History II	2
MUS 323	Music History III	2
MUS 336	Fundamentals of Conducting	2
MUS 355	Theory and Analysis 3	2
MUS 356	Aural Training 3	1
MUS 357	Theory and Analysis 4	2
MUS 358	Aural Training 4	1
MUS 404	Musical Techniques of the 20th/21st Centuries	2
MUS 405	Arranging	2
MUS 490/1	Senior Recital	1
MUS xxx	Ensembles	4
MUS xxx	Applied Music-Major Instrument	8
MUS xxx	Music Electives to be selected from the following courses: MUS210, 240-245, 305, 312-318, 406, and 450	6
	TOTAL	50

BACHELOR OF MUSIC DEGREE REQUIREMENTS

This degree program is designed for those students who desire some kind of career within the broad designation of the music and entertainment industries. The degree has a strong core of musicianship study requirements. In addition, the student must also complete a designated course of study in the area of Business or Music Technology

The Business course of study requires the completion of the General Business Minor (foundational studies in accounting, economics, management, marketing, business law, and finance) or the Entrepreneurship Minor (the development of entrepreneurship and innovation skills, and the development of business plans in addition foundational studies in business).

The Music Technology course of study requires the completion of the Music Technology Concentration designed to provide the student with a broad base of studies and experiences in sound synthesis, audio and recording technology, music composition, sequencing, web applications, and research techniques and resources for this field.

All students have an applied learning Internship experience related to their career goals and a Senior Portfolio degree capstone requirement.

Candidates for the Bachelor of Music degree must complete 4 credits in 300-level "Applied Music-Major Instrument" requirements for graduation.

Core Requirements			<i>Credits</i>
MUS 100	Concert/Recital Attendance-6 semesters		0
MUS 101	Perspectives in Music		3
MUS 117	Theory and Analysis 1		2
MUS 118	Aural Training 1		1
MUS 206	Keyboard Proficiency 1		2
MUS 217	Theory and Analysis 2		2
MUS 218	Aural Training 2		1
MUS 304	Form and Analysis		2
MUS 310	Music History I		2
MUS 311	Music History II		2
MUS 323	Music History III		2
MUS 324	Electronics for Music Applications		3
MUS 327	Commercial Music Seminar		3
MUS 336	Fundamentals of Conducting		2
MUS 355	Theory and Analysis 3		2
MUS 356	Aural Training 3		1
MUS 357	Theory and Analysis 4		2
MUS 358	Aural Training 4		1
MUS 404	Musical Techniques of the 20th/21st Centuries		2
MUS 405	Arranging		2
MUS 440	Commercial Music Practicum		4
MUS 490/1	Senior Recital		1
MUS 495	Senior Portfolio		1
MUS xxx	Ensembles		4
	(must include both Chamber and Major Ensemble credit)		
MUS xxx	Applied Music-Major Instrument		8
MUS xxx	Music Electives to be selected from the following courses:		6
	MUS210, 240-245, 305, 312-318, 406, and 450		
	TOTAL		61

BUSINESS

In addition to the core, the following courses are required:

General Business Minor	OR
Entrepreneurship Minor	
TOTAL	18

MUSIC TECHNOLOGY CONCENTRATION PROGRAM

In addition to the core, the following courses are required:

MUS 300	Notation and Sequencing	2
MUS 360	Music Technology Research and Evaluation	2
MUS 386	Sound Synthesis	3
MUS 400	Audio Recording and Analysis 1	2
MUS 451	Audio Recording and Analysis 2	3
MUS 486	Multimedia and Internet Applications	3
MUS 494	Topics and Projects in Music Technology	2
	TOTAL	<hr/> 17

BACHELOR OF MUSIC IN EDUCATION

DEGREE REQUIREMENTS

Candidates for the Bachelor of Music in Education degree must participate in one major ensemble each semester with the exception of the student teaching semester. Candidates for the Bachelor of Music in Education degree must complete 4 credits in 300-level "Applied Music-Major Instrument" requirements for graduation.

Missouri Western offers two options in the B.M.E. major in Music leading to K-12 vocal or instrumental teaching certification in Missouri. Both the Vocal Concentration and Instrumental Concentration require 64-66 credits in music courses, including the following core of classes:

Core Courses		<i>Credits</i>
MUS 100	Concert/Recital Attendance-6 semesters	0
MUS 101	Perspectives in Music	3
MUS 117	Theory and Analysis 1	2
MUS 118	Aural Training 1	1
MUS 206	Keyboard Proficiency I	2
MUS 217	Theory and Analysis 2	2
MUS 218	Aural Training 2	1
MUS 304	Form and Analysis	2
MUS 310	Music History I	2
MUS 311	Music History II	2
MUS 320	Elementary Music Methods and Materials	3
MUS 323	Music History III	2
MUS 336	Fundamentals of Conducting	2
MUS 355	Theory and Analysis 3	2
MUS 356	Aural Training 3	1
MUS 357	Theory and Analysis 4	2
MUS 358	Aural Training 4	1
MUS 404	Musical Techniques of the 20th/21st Centuries	2
MUS 405	Arranging	2
MUS 490/1	Senior Recital	1
MUS xxx	Applied Music-Major Instrument	7
MUS xxx	Ensembles (5 credits in Major Ensembles/ 2 credits in Chamber Ensembles)	7
	TOTAL	<hr/> 49

Vocal Concentration

In addition to the core, the following courses are required:

MUS 111	Functional Instrumental Techniques	1
MUS 201	Foundations in Vocal/Choral Techniques 1	2
MUS 208	Keyboard Proficiency II	2
MUS 301	Foundations in Vocal/Choral Techniques 2	2
MUS 328	Choral Literature	2
MUS 441	Advanced Choral Conducting	2
MUS 467	Middle & High School Choral Methods	2
	TOTAL	13

Applied voice concentration: Restricted electives are MUS334, 2 credits.

Applied piano or organ concentration: Restricted electives are MUS331, 2 credits; Applied Voice Major Instrument, 2 credits (two semesters in MUS289).

Vocal Concentration majors will be assigned to a middle or high school instrumental program for EDU203, to an elementary, middle or high school vocal program for EDU303, and to a middle or high school vocal program for EDU409. If the student has elected the Elementary Music Concentration by taking MUS321 and MUS322, an assignment to elementary music for EDU409 may be chosen. The music prerequisite(s) for EDU203 is MUS320; for EDU303 are MUS208 and MUS441; and for EDU409 is MUS467. Overall GPA of 2.75 and major GPA of 3.0 required for admission into Teacher Education, graduation, and Missouri certification.

Instrumental Concentration

In addition to the core, the following courses are required:

		<i>Credits</i>
MUS 109	Functional Voice Class	1
MUS 205	Introduction to Music Education	1
MUS 211	Low Brass Methods & Materials	1
MUS 212	High Brass Methods & Materials	1
MUS 307	Percussion Methods & Materials	2
MUS 308	String Methods & Materials	2
MUS 325	Marching Band Materials	1
MUS 353	Single Reed Methods & Materials	1
MUS 354	Double Reed Methods & Materials	1
MUS 442	Advanced Instrumental Conducting	2
MUS 468	Middle & High School Instrumental Methods	3
	TOTAL	16

Instrumental Concentration majors will be assigned to an elementary, middle, or high school vocal program for EDU203 and to a middle or high school instrumental program for EDU303 and EDU409. As part of the EDU303 and EDU409, students will be required to have experiences in teaching beginning instrumental students individually and in small/large groups. The music prerequisite(s) for EDU203 is MUS320; for EDU303 are MUS206 and MUS442; and for EDU409 is MUS468. The student in each concentration area should make every effort to be involved in as many different teaching levels as is possible. Overall GPA of 2.75 and major GPA of 3.0 required for admission into Teacher Education, graduation, and Missouri certification.

ADDITIONAL DEGREE REQUIREMENTS

For all music degree programs, General Studies, Category Four - Humanities is restricted as follows. The student must take:

1. HUM203 or HUM204 or HUM205
2. ENG210
3. MUS101

Plus one additional course from:

4. FRE100, GER100, SPA100 or higher (required for BA Music Majors) or a course from the line (1 or 2 above) not chosen for the restriction.

Line 1 options: HIS200, HIS210, HIS230, HUM203, HUM204, HUM205

Line 2 options: ENG210, ENG220, PHL210, PHL230, REL250, REL251, REL252

Elementary Music Education

Candidates for the Bachelor of Music in Education Vocal degree may receive a Concentration in Elementary Music Education by electing MUS321 Orff, Kodály, and Laben and MUS322 General Music Activities (total of 4 credits). This concentration is for those students desiring to teach at the elementary school level.

MINORS

Music

The music minor program has a concert/recital attendance applied learning activity requirement. To complete the minor degree, the student must attend 12 approved performances each semester for a total of 2 semesters. This is in addition to all coursework for the music minor degree. Attendance requirements and an approved listing of concerts/recitals are provided at the beginning of each regular semester.

Requirements	<i>Credits</i>
MUS 100 Concert/Recital Attendance-2 semesters	0
MUS 101 Perspectives in Music	3
MUS 117 Theory and Analysis 1	2
MUS 118 Aural Training 1	1
MUS xxx Piano study chosen from MUS106, 108, 206, 208 or 168	2
MUS 217 Theory and Analysis 2	2
MUS 218 Aural Training 2	1
MUS xxx Applied Music - Major Instrument	4
MUS xxx Music Electives (any music courses except: Applied Music-Major instrument, and Music Ensembles)	6
MUS xxx Music Ensembles (four semester minimum)	4
TOTAL	<hr style="width: 100%; border: 0.5px solid black;"/> 25

MUSIC TECHNOLOGY

	<i>Credit</i>
MUS 117 Theory and Analysis 1	2
MUS 118 Aural Training 1	1
Applied Music chosen from MUS106, 108, 206, 208 or Applied Music MUS xxx	3
MUS 324 Electronics for Music Applications	3
MUS 352 Commercial Music Ensemble	3
MUS 386 Sound Synthesis	3
MUS 486 Multi-media and Internet Applications	3

Plus 6 additional credits of Music Electives chosen from the following courses:	6
MUS 300 Notation and Sequencing (2)	
MUS 327 Commercial Music Seminar (3)	
MUS 400 Recording and Analysis 1 (2)	
MUS 406 Composition (1) (may be repeated for up to 3 credits)	
MUS 451 Recording and Analysis 2 (3)	
MUS 494 Topics and Projects in Music Technology (1) (may be repeated for up to 3 credits)	
TOTAL	24

Musical Theatre

This minor is available only to students who are Speech/Theatre and Vocal Music majors.

Requirements	<i>Credits</i>
THR 126 Stage Movement Workshop	2
THR 140 Production Participation (Musical Theatre)	3
THR 228 Acting I	3
THR 275 Script Analysis	3
THR 280 Stagecraft	3
THR 326 Techniques of Musical Theatre Performance	3
THR 348 Directing for the Stage I	3
THR xxx Approved Elective	3
TOTAL	23

Concentration in Jazz Studies

Requirements	<i>Credits</i>
MUS 290 Jazz Improvisation 1	1
MUS 361 Jazz Improvisation 2	1
MUS 344 Jazz Ensemble (Must include 1 credit in Jazz Combo section)	5
MUS 365 Jazz Arranging and Composition	2
MUS 400 Audio Recording and Analysis 1	2
MUS 415 Jazz History	2
MUS 430 Jazz Pedagogy	2
TOTAL	15

Requires jazz study in Applied Music- Major Instrument: minimum of one semester.

A special applied section will be used to document this requirement (section 03/04 and listed as "concentration in Jazz performance.")

Concentration in Piano Pedagogy

Requirements	<i>Credits</i>
MUS 292 Piano Pedagogy I: Introduction to Piano Pedagogy	2
MUS 314 Topics in Music Literature: Piano	1
MUS 314 Topics in Music Literature: Piano	1
MUS 321 Orff, Kodály, and Laban	2
MUS 392 Piano Pedagogy II: Teaching the Beginning Student	3
MUS 393 Piano Pedagogy III: Teaching Intermediate to Advanced	2
MUS 492 Piano Pedagogy IV: Group Instruction for the Adult	3
MUS 495 Senior Portfolio	1
TOTAL	15

This concentration is only for students in Applied Music - Major Instrument: Piano.

Solo Performance

All degree candidates in music may petition the Department to be allowed to pursue a solo performance program of study in their major applied music area. This program requires a one hour (two credits) applied lesson each semester, MUS390 Junior Recital (one-half hour), and MUS491 Senior Recital (one hour). There may also be other coursework required by the student's applied teacher relevant to the performance medium and student career objectives.

Permission to continue this performance program is on a semester-by-semester basis and will be approved as part of each semester's applied jury review and examination.

Additional Teaching Certification

The department strongly recommends additional teaching certification for all BME music majors.

Candidates for the Bachelor of Music in Education degree with a Vocal Concentration may achieve state instrumental certification with the following courses:

			<i>Credits</i>
MUS 211	Low Brass Methods & Materials		1
MUS 212	High Brass Methods & Materials		1
MUS 307	Percussion Methods & Materials		2
MUS 308	String Methods & Materials		2
MUS 353	Single Reed Methods & Materials		1
MUS 354	Double Reed Methods & Materials		1
MUS 442	Advanced Instrumental Conducting		2
MUS 468	Middle & High School Instrumental Methods		3
MUS xxx	Applied Music (instrumental)		2
MUS xxx	Ensembles (instrumental)		2
	TOTAL		17

Candidates for the Bachelor of Music in Education degree with an Instrumental Concentration may achieve state vocal certification with the following courses:

			<i>Credits</i>
MUS 201	Foundations in Vocal/Choral Techniques 1		2
MUS 301	Foundations in Vocal/Choral Techniques 2		2
MUS 328	Choral Literature		2
MUS 441	Advanced Choral Conducting		2
MUS 467	Middle & High School Choral Methods		2
MUS xxx	Applied Music (voice)		4
MUS xxx	Music Ensembles (vocal)		2
	TOTAL		16

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

MUSIC COURSES

Waiving of any course prerequisites requires prior departmental authorization.

MUS 100 Concert/Recital Attendance (0) F, Sp. Attendance at department approved concerts and recitals. All music majors are required to have six semesters of credit (CR) as part of the music major degree requirements. May be repeated.

MUS 101 Perspectives in Music (3) F, Sp, Su. Music materials, forms, historical-social development of composers and compositions. Various themes may be pursued. May not be repeated for credit.

MUS 103 Fundamentals of Music (2) DD. Materials of music through triads and simple double and triple rhythm; includes music reading/aural recognition. Meets three hours per week.

MUS 106 Basic Keyboard Skills I (2) DD. Keyboard orientation; intervallic reading; I, V chord structures and harmonization. No piano background required.

MUS 108 Basic Keyboard Skills II (2) DD. Primary chord structures and harmonization, simple accompaniment patterns, reading skills, scale structures. Prerequisite: MUS106 or departmental approval.

MUS 117 Theory and Analysis 1 (2) Sp. Review of notation of pitch and rhythm, meter, scales and scale degree names, and modes. Study of the procedures of part-writing of triads and inversions. Includes instrument ranges and transpositions. Prerequisite: MUS103 or department approval. Meets three days a week.

MUS 118 Aural Training 1 (1) Sp. This course sequence is designed to develop the practical skills of the music major through sight-singing, dictation, improvisation, composition, and to integrate theoretical concepts (the Theory and Analysis sequence) with various styles of music. Content includes pitch and rhythm, scales and modes, meters, intervals, triads and seventh chords, and embellishment. Meets 2 days a week

MUS 206 Keyboard Proficiency I (2) DD. Keyboard harmony, harmonization of folk melodies, sight-reading, scale structure, transposition, simple accompaniment, elementary repertoire; completion of proficiency examination for instrumental majors. Prerequisites: MUS108 and MUS217 or departmental approval.

MUS 208 Keyboard Proficiency II (2) DD. Advanced harmonic progressions, intermediate-level accompaniments, transposition of simple accompaniment, open-score reading, intermediate repertoire, scale and arpeggio techniques; completion of proficiency examination for B.M.E.-Vocal Concentration majors. Prerequisite: MUS206 or departmental approval.

MUS 209 Synthesizer Techniques (2) DD. Techniques of playing various presets, editing instrument presets and sound design, MIDI performance, and chord voicing. Prerequisite: MUS206 or permission of instructor.

MUS 210 Introduction to Music Technology (1-2) DD. A seminar course designed to introduce the student to the hardware/software applications available in the Art/Music Computer Laboratory. LAS Computer Literacy.

MUS 217 Theory and Analysis 2 (2) F. Study of cadences, phrases, periods, non-chord tones, and part-writing procedures for diatonic seventh chords and their inversions. Prerequisite: MUS117. Meets three days a week.

MUS 218 Aural Training 2 (1) F. A continuation of MUS118. Content includes dominant/tonic phrase model, embellishment, chordal expansion and variations, other cadences, sequence patterns, secondary dominants, and motive development. Includes improvisation and composition. Meets 2 days a week. Prerequisites: MUS117 and MUS118.

MUS 240 Chamber Music Performance: Brass (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with brass instruments. May be repeated for credit. Prerequisite: Departmental approval.

MUS 241 Chamber Music Performance: Keyboard (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with keyboard instruments. May be repeated for credit. Prerequisite: Departmental approval.

MUS 242 Chamber Music Performance: Percussion (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with percussion instruments. May be repeated for credit. Prerequisite: Departmental approval.

MUS 243 Chamber Music Performance: Strings (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with string instruments. May be repeated for credit. Prerequisite: Departmental approval.

MUS 244 Chamber Music Performance: Voice (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with voice. May be repeated for credit. Prerequisite: Departmental approval.

MUS 245 Chamber Music Performance: Woodwinds (1-2) F, Sp. Study through performance in musical literature and performance practices as they relate to chamber music with woodwind instruments. May be repeated for credit. Prerequisite: Departmental approval.

MUS 250 Introduction to Research Methods in Music (1-2) DD. Introduction to basic research methods in music. Individual and team projects involving methods for solving music-related research problems. Prerequisite: Departmental approval.

MUS 290 Jazz Improvisation 1 (1) DD. Introduction of the tools for improvisation: basic jazz theory (chords, scales, progressions), study of basic scalar patterns, the application to blues playing, and learning tunes. Meets two hours per week. Prerequisites: MUS117 and MUS118, or departmental approval.

MUS 300 Notation and Sequencing (2) DD. Continuation of MUS210. Advanced study of computer music notation and sequencing software. Includes overview and development of music synthesis options: hardware and software. Prerequisite: MUS210 or departmental approval.

MUS 303 Commercial Harmony (2) DD. Western tertian harmonic language and Afro-American/Latin-American rhythmic structures as applied to commercial music. Prerequisite: MUS217 or departmental approval. LAS International/Intercultural.

MUS 304 Form and Analysis (2) F. An analytical study of musical structure: formal elements, harmony, standard forms and historical development. Prerequisite: MUS101 and MUS355.

MUS 305 Entrepreneurship in Music (3) DD. Explores the many possible paths to a career in music. Emphasis on establishing networks, development of a professional portfolio, utilization of social media and the Internet, and an understanding of modern business principles within the field of music.

MUS 310 Music History I (2) Sp. Musical styles, techniques, composers, and culture from ancient music to the 1700s. Prerequisite: MUS217. LAS Writing; LAS International/Intercultural

MUS 311 Music History II (2) F. Musical styles, techniques, composers, and culture from the 1700s to the early 1900s. Prerequisite: MUS217. LAS Writing; LAS International/Intercultural.

MUS 312 Topics in Music Literature: Chamber (1-2) F, Sp. Study through research in music literature and performance practices as they relate to chamber music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 313 Topics in Music Literature: Choral (1-2) F, Sp. Study through research in music literature and performance practices as they relate to choral music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 314 Topics in Music Literature: Piano (1-2) F, Sp. Study through research in music literature and performance practices as they relate to piano music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 315 Topics in Music Literature: Organ (1-2) F, Sp. Study through research in music literature and performance practices as they relate to organ music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 316 Topics in Music Literature: Percussion (1-2) F, Sp. Study through research in music literature and performance practices as they relate to percussion music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 317 Topics in Music Literature: Solo Instrument (1-2) F, Sp. Study through research in music literature and performance practices as they relate to solo instrument music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 318 Topics in Music Literature: Solo Voice (1-2) F, Sp. Study through research in music literature and performance practices as they relate to solo vocal music. May be repeated for credit. Prerequisite: Departmental approval.

MUS 323 Music History III (2) Sp. Musical styles, techniques, composers, and culture from the late 1800s to the present and a survey of world musics. Prerequisite: MUS355. LAS Writing; LAS International/Intercultural.

MUS 324 Electronics for Music Applications (3) DD. A study of the fundamentals of sound and acoustics and electric audio: loud speakers, amplifiers, microphones, cables, mixing consoles and signal processors, electronic instruments, MIDI and computer integration, sound recording and basic equipment maintenance. Meets four hours per week. Prerequisite: MUS217 or departmental approval.

MUS 327 Commercial Music Seminar (3) DD. Problems in Commercial Music, including recording techniques, contracts, bookings, and agents, taxes, union membership, promotional materials and marketing techniques, rehearsal techniques, repertoire development, personnel and interpersonal relations, song writing and publishing. Prerequisite: MUS217 or departmental approval. LAS Ethics; LAS Writing.

MUS 336 Fundamentals of Conducting (2) DD. Basic conducting techniques: patterns, dynamics, attacks, releases, cueing, various styles and tempos, independence of hands and gestures, terminology, score exposure and preparation. Prerequisite: MUS217.

MUS 355 Theory and Analysis 3 (2) Sp. Study of secondary dominant harmony and part-writing procedures. Closely related keys and modulation techniques. Modal mixture and borrowed chord techniques. Prerequisite: MUS217. Meets three days a week.

MUS 356 Aural Training 3 (1) Sp. A continuation of MUS218. Content includes secondary dominants, modulation, modal mixture, altered chords, N6th and augmented 6th chords, chromaticism, formal analysis, and asymmetrical meters. Includes improvisation and composition. Meets 2 days a week. Prerequisites: MUS217 and MUS218.

MUS 357 Theory and Analysis 4 (2) F. Study of neopolitan and augmented sixth chords and part-writing procedures. Enharmonic equivalents and key modulations techniques. Study of other elements of harmony of the late 19th century. Prerequisite: MUS355. Meets three days a week.

MUS 358 Aural Training 4 (1) F. A continuation of MUS356. Content includes modes, other scale types, pitch-class sets, serialism, changing meter, polymeter, asymmetric meters, and ametric rhythm. Includes improvisation and composition. Meets 2 days a week. Prerequisites: MUS355 and MUS356.

MUS 360 Music Technology Research and Evaluation (2) DD. The development of a research base for music technology: hardware and software including major manufacturers and software developers. Includes essential publishers and Web sources and the development of evaluative techniques for product review. Prerequisite: MUS210.

MUS 361 Jazz Improvisation 2 (1) DD. A continuation of Jazz Improvisation 1. This course will cover musical form, rhythm changes, more advance harmonic structures (chord/scale substitutions), further scalar study and pattern development. Students will also work on transcriptions of solos and tune memorization. Meets two hours per week. May be repeated for credit. Prerequisite: MUS290 or departmental approval.

MUS 365 Jazz Arranging and Composition (2) DD. This course will focus on the techniques for writing and/or arranging for the combo and jazz ensemble. Emphasis will be placed on style and voicing issues. Class will also include listening and score study along with writing projects. Prerequisites: MUS357, MUS358 and MUS361.

MUS 386 Sound Synthesis (3) DD. Advanced study of sound synthesis: terminology, concepts, and techniques currently available with hardware/software products. Prerequisite: MUS210 or departmental approval.

MUS 400 Audio Recording and Analysis 1 (2) DD. Introduction to audio recording: hardware, software, terminology, and concepts. Includes studio equipment setup and individual/group recording projects. Critical analysis of industry standard productions will be developed. Prerequisite: MUS386 or departmental approval.

MUS 404 Musical Techniques of the 20th/21st Centuries (2) Sp. The study of the development of composition techniques and forms from the late 1800s to the present. Prerequisite: MUS357.

MUS 405 Arranging (2) Sp. A study of the elements and procedures for instrumental and vocal arranging; includes a major project in the student's area of interest. Prerequisite: MUS357.

MUS 406 Composition (1-2) F, Sp. Private lessons in composition. Half-hour weekly lessons for each credit. The special fee for applied music is assessed for this course. May be repeated for credit. Prerequisite: Departmental approval.

MUS 410 Topics in Computer Music Applications (1-2) DD. An advanced seminar course designed to study selected topics in the field of computers and music. May be repeated for credit. Prerequisite: MUS210 or departmental approval required.

MUS 415 Jazz History (2) DD. Overview of the history and evolution of jazz, from its humble beginnings the late 1800's to New Orleans in the early 1900's to bebop and beyond. This course will introduce the primary performers and the literature of the various developmental periods. Prerequisites: MUS101, MUS355, and MUS356.

MUS 440 Commercial Music Practicum (4) F, Sp, Su. Final experience for those with Business/Recording concentration. Part-time off-campus experiences with cooperating professional in the area of student's choice (business or recording) for a minimum of 10 hours per week. Student's activity and progress is observed by a member of the commercial music faculty. Prerequisite: MUS327.

MUS 441 Advanced Choral Conducting (2) DD. A study of problems of choral conducting. Includes the study of conducting gestures that facilitate entrances and releases, compound and changing meters and other interpretive indications. Includes score study and effective rehearsal techniques. Prerequisite: MUS336.

MUS 442 Advanced Instrumental Conducting (2) DD. Advanced conducting techniques: patterns, cuing, styles, score preparation, rehearsal and performance techniques, and problem solving experiences. Prerequisite: MUS336.

MUS 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Completion of the major-minor declaration in music, minimum 2.5 GPA in the major field, and departmental approval.

MUS 451 Audio Recording and Analysis 2 (3) DD. Continuation of MUS400. Advanced audio recording techniques and production including individual/group projects. Advanced research, analysis, and critique of current/past industry music producers. Prerequisite: MUS400.

MUS 486 Multi-media and Internet Applications (3) DD. The development of terminology and techniques for using sound design with visual media. Includes Web design and critical analysis of a wide variety of multi-media genres. Prerequisite: MUS451 or departmental approval.

MUS 494 Topics and Projects in Music Technology (1-2) F, Sp. A cumulative course for the BM Music Technology emphasis. Stresses independent research and applied learning. The topic(s) and/or project(s) must be approved by the department's technology faculty. May be repeated for credit. Prerequisites: MUS360, MUS386, and MUS451 or departmental approval.

MUS 495 Senior Portfolio (1) F, Sp. A course for graduating seniors which consists of a final approved cumulative degree program project and the preparation of a professional portfolio and career preparation. This course must be taken during one of the last two semesters prior to graduation.

MUSIC ENSEMBLE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

Except for Commercial Music degree students, all students participating in instrumental ensembles during the fall semester must take MUS145 concurrently. Students participating in instrumental ensembles in the spring semester must have been enrolled in MUS145 the previous fall semester. This policy does not pertain to membership in MUS346 or pianists/guitarists in MUS344.

Students participating in vocal ensembles must be concurrently enrolled in MUS140 or MUS338.

Ensembles may be repeated for credit.

Major Ensembles

Waiving of any course prerequisites requires prior departmental authorization.

MUS 140 Community Chorus (1) F, Sp. Group singing of various styles of music literature. Meets two hours per week.

MUS 142 University Men's Chorus (1) DD. A non-auditioned vocal ensemble open to all men that focuses on healthy development of the singing voice. Music performed includes selections from all stylistic genres. Number of concerts may vary by semester. Students are financially responsible for appropriate concert attire. Three hours per week.

MUS 143 University Women's Chorus (1) DD. A non-auditioned vocal ensemble open to all women that focuses on healthy development of the singing voice. Music performed includes selections from all stylistic genres. Number of concerts may vary by semester. Students are financially responsible for appropriate concert attire. Three hours per week.

MUS 145 Marching Band (1) F. Performance of marching maneuvers. Meets six hours per week. May be repeated for credit. Rehearsals commence about one week before beginning of semester. Prerequisite: Departmental approval.

MUS 146 Concert Band (1) Sp. Basic concert band literature with public performance; laboratory for conducting and arranging students; experience on secondary instruments. Meets three hours per week.

MUS 338 Concert Chorale (1) F, Sp. Select ensemble, emphasizing performance of sacred and secular choral music. Meets four hours per week. Students are financially responsible for appropriate concert dress.

MUS 346 Orchestra (1) F, Sp. Performance of selected standard orchestral literature. Meets three hours per week. Prerequisite: Departmental approval.

MUS 347 Wind Ensemble (1) F, Sp. Select ensemble emphasizing musicianship, playing skills, representative literature, and public performance. Meets four hours per week. Prerequisite: Departmental approval.

MUS 352 Commercial Music Ensemble (1) DD. Performance group(s) dedicated to commercial music techniques. Each semester will be devoted to a specific type of commercial music (country, rock, jazz, mixed dance styles) and the ensemble will explore the various styles encountered within each type. May be repeated for credit.

Chamber Ensembles

Waiving of any course prerequisites requires prior departmental authorization.

MUS 339 Chamber Singers (1) Sp. Vocal chamber music performance. Meets three hours per week. Prerequisite: Departmental approval.

MUS 340 Renaissance Singers (1) F. Vocal chamber music performance. Meet three hours per week. Prerequisite: Departmental approval.

MUS 341 Vocal Jazz Ensemble (1) DD. This course is designed to give singers experience in the style of jazz singing in both ensemble and solo formats. The singers in the course will learn jazz style, scat improvisation, introduction to charts/chording, song forms, performance processes/etiquette, and the use of electronic sound reinforcement. Meets three hours per week. May be repeated for credit. Prerequisites: Concurrent enrollment in a major choral ensemble and departmental approval.

MUS 343 Brass Ensemble (1) DD. Chamber music performance. Meets two hours per week. Prerequisite: Departmental approval.

MUS 344 Jazz Ensemble (1) F, Sp. Select ensemble for public performance. Meets three hours per week. Prerequisite: Departmental approval.

MUS 345 Percussion Ensemble (1) F, Sp. Performance of major percussion ensemble literature. Required of all percussion majors. Meets three hours per week. Prerequisite: Departmental approval.

MUS 349 Chamber Winds (1) DD. Select ensemble structured for advanced brass, woodwind, and percussion students with minimum instrumentation; emphasizes original wind literature. Two hours per week. Prerequisite: departmental approval.

MUS 350 Woodwind Ensemble (1) DD. Chamber music performance. Meets two hours per week. Prerequisite: Departmental approval.

MUSIC PEDAGOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

MUS 109 Functional Voice Class (1) DD. This course is designed to provide the instrumental music education major and the beginning non-music major with functional knowledge of the vocal process and vocal performance experience. Meets two days a week.

MUS 111 Functional Instrumental Techniques (1) DD. This course is designed to acquaint the choral/ vocal music education major with performance techniques of four families of instruments: woodwinds, brasses, strings, and percussion. The class will explore the methods of performance on the primary instruments of each family. Meets two hours per week.

MUS 201 Foundations in Vocal/Choral Techniques 1 (2) DD. Provides a basic understanding of good tone production, interpretation, musicianship, performance skills and repertoire in solo vocal and choral music. The International Phonetic Alphabet, Italian pronunciation and English diction will be emphasized.

MUS 205 Introduction to Music Education (1), DD. This course will introduce music education majors to the underlying principles, philosophies, and practices in music education. It will also include information on teaching license/certification and portfolio development.

MUS 211 Low Brass Methods and Materials (1) DD. Class lessons to develop playing skills and instructional methodology of the trombone, euphonium and tuba and techniques of teaching these instruments. Includes basic maintenance and repair of these instruments. Meets 2 days a week.

MUS 212 High Brass Methods and Materials (1) DD. Class lessons to develop playing skills and instructional methodology of the trumpet and French horn and techniques of teaching these instruments. Includes basic maintenance and repair of these instruments. Meets 2 days a week.

MUS 220 Music for the Elementary Classroom Teacher (3) DD. Basic music for the elementary education major incorporating music appreciation and use of music in the teaching of basic skills. Prerequisites: EDU202, EDU203, ART100. Elementary Education or Early Childhood majors may not take the course until officially admitted to the teacher education program.

MUS 292 Piano Pedagogy I: Introduction to Piano Pedagogy (2) DD. Study of the piano as an instrument, physicality of playing the piano, psychology of learning, and historical through modern treatises on piano performance and pedagogy. To be taken concurrently with MUS188. Prerequisite: MUS117.

MUS 301 Foundations in Vocal/Choral Techniques 2 (2) DD. Provides the basic tools of singing in German and French with the use of the International Phonetic Alphabet. Prerequisite: MUS201.

MUS 307 Percussion Methods and Materials (2) DD. Class lessons to develop playing skills and instructional methodology of percussion instruments; techniques of teaching instrumental groups. Includes basic maintenance and repair of these instruments. Meets three days a week.

MUS 308 String Methods and Materials (2) DD. Class lessons to develop playing skills and instructional methodology of string instruments; techniques of teaching instrumental groups. Includes basic maintenance and repair of these instruments. Meets three days a week.

MUS 320 Elementary Music Methods and Materials (3) DD. Overview of methods and materials for teaching of music in grades K-6. For students majoring in music education. Prerequisites: Either MUS117, or both EDU202 and EDU203, and ability to read music.

MUS 321 Orff, Kodály, and Laben (2) DD. Introduction to the educational processes involved in teaching music K-8, using the contemporary methods of Orff, Kodály, and Laben. Prerequisite: MUS220 or MUS320. LAS International/Intercultural.

MUS 322 General Music Activities (2) DD. Developing and sequencing music skills and concepts in grades K-12 through increasing levels of cognitive abilities. Prerequisite: MUS220 or MUS320.

MUS 325 Marching Band Techniques (1) F (odd-numbered years). Materials and ideas in marching band techniques. Prerequisite: MUS145.

MUS 326 Instrument Care and Repair (1) DD. Techniques and experience in the repair of band and orchestra instruments; emphasizes practical and economical use of materials, skill, and time. Prerequisites: Two of the following: MUS211, MUS212, MUS307, MUS353, and MUS354.

MUS 328 Choral Literature (2) DD. A study of repertoire appropriate for choral literature representing various levels of maturation and achievement (young adolescent through advanced high school groups and both large and small ensembles). Includes stylistic trends, musical characteristics and performance practices from Medieval to the Contemporary period. Prerequisite: MUS301.

MUS 330 Pedagogical Practices: Brass (1-2) F, Sp. Principles of teaching brass in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 331 Pedagogical Practices: Keyboard (1-2) F, Sp. Principles of teaching keyboard in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 332 Pedagogical Practices: Percussion (1-2) F, Sp. Principles of teaching percussion in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 333 Pedagogical Practices: Strings (1-2) F, Sp. Principles of teaching strings in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 334 Pedagogical Practices: Voice (1-2) F, Sp. Principles of teaching voice in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 335 Pedagogical Practices: Woodwinds (1-2) F, Sp. Principles of teaching woodwinds in the independent music studio; content will be determined by student need. May be repeated for credit. Prerequisite: Departmental approval. LAS Ethics.

MUS 353 Single Reed Methods and Materials (1) DD. Class lessons to develop playing skills and instructional methodology of the flute, clarinet and saxophone and techniques of teaching these instruments. Includes basic maintenance and repair of these instruments. Meets 2 days a week.

MUS 354 Double Reed Methods and Materials (1) DD. Class lessons to develop playing skills and instructional methodology of the oboe and bassoon and techniques of teaching these instruments. Includes basic maintenance and repair of these instruments. Meets 2 days a week.

MUS 392 Piano Pedagogy II: Teaching the Beginning Student (3) DD. Study of beginning to elementary teaching in areas of reading, rhythm, technique, musicianship, and popular piano methods. Observation of area piano instructors and mentored teaching of beginning students is required. Prerequisite: MUS292.

MUS 393 Piano Pedagogy III: Teaching Intermediate to Advanced (2) DD. The study of issues facing educators in advanced piano teaching, including repertoire, curriculum building, student health and well-being, memorization, and students transferring from another teacher. Prerequisite: MUS392.

MUS 430 Jazz Pedagogy (2) DD. This course is designed to acquaint the music major with the proper materials and pedagogical techniques to correctly address the instruction of jazz programs. Class will explore rhythm section development, basic jazz improvisation, literature selection, and organizational structure. Prerequisite: MUS361 or departmental approval.

MUS 467 Middle and High School Choral Methods (2) DD. Problems and techniques of teaching music in middle and senior high school, organization of vocal groups, general music classes and evaluation materials. Prerequisite: MUS441. LAS Ethics.

MUS 468 Middle and High School Instrumental Methods (3) DD. This course is to prepare instrumental music educators for all aspects of instrumental music education which deal directly with the organizational and instructional strategies not dealt with in pedagogical courses aimed at performance, theory, history, and conducting. Prerequisite: MUS442. LAS Ethics.

MUS 492 Piano Pedagogy IV: Group Instruction for the Adult (3) DD. Study of curriculum building, classroom management, group learning/dynamics, and teaching techniques as they pertain to achievement of proficiency modules in the traditional undergraduate class piano curriculum. Prerequisite: MUS393.

APPLIED MUSIC COURSES

Waiving of any course prerequisites requires prior departmental authorization.

Applied Music-Secondary Instrument (1) F, Sp. For the music major studying a secondary applied area and for the non-major; studies compatible with the student's training and development. May be repeated for credit. Special fees for applied music are assessed for these courses. Prerequisite: Appropriate applied music methods courses and/or departmental approval.

The following applied areas are available:

MUS 150	Applied Euphonium
MUS 151	Applied French Horn
MUS 152	Applied Trombone
MUS 153	Applied Trumpet
MUS 154	Applied Tuba
MUS 155	Applied Percussion
MUS 156	Applied Cello
MUS 157	Applied Double Bass
MUS 158	Applied Guitar
MUS 159	Applied Viola
MUS 160	Applied Violin
MUS 161	Applied Bassoon
MUS 162	Applied Clarinet
MUS 163	Applied Flute
MUS 164	Applied Oboe
MUS 165	Applied Saxophone
MUS 167	Applied Organ
MUS 168	Applied Piano
MUS 169	Applied Voice

Applied Music-Major Instrument (1-2) F, Sp. For the music major; studies compatible with the student's applied level. The specific level requirements are available from the appropriate applied instructor or the Department of Music Office. May be repeated for credit. Special fees for applied music are assessed for these courses. Prerequisite: departmental approval.

The following applied areas are available:

MUS 170, 270, 370, 470	Applied Euphonium
MUS 171, 271, 371, 471	Applied French Horn
MUS 172, 272, 372, 472	Applied Trombone
MUS 173, 273, 373, 473	Applied Trumpet
MUS 174, 274, 374, 474	Applied Tuba
MUS 175, 275, 375, 475	Applied Percussion
MUS 176, 276, 376, 476	Applied Cello
MUS 177, 277, 377, 477	Applied Double Bass
MUS 178, 278, 378, 478	Applied Guitar
MUS 179, 279, 379, 479	Applied Viola
MUS 180, 280, 380, 480	Applied Violin
MUS 181, 281, 381, 481	Applied Bassoon
MUS 182, 282, 382, 482	Applied Clarinet
MUS 183, 283, 383, 483	Applied Flute
MUS 184, 284, 384, 484	Applied Oboe
MUS 185, 285, 385, 485	Applied Saxophone
MUS 187, 287, 387, 487	Applied Organ
MUS 188, 288, 388, 488	Applied Piano
MUS 189, 289, 389, 489	Applied Voice
MUS 183, 283, 383, 483	Applied Flute

MUS	184, 284, 384, 484	Applied Oboe
MUS	185, 285, 385, 485	Applied Saxophone
MUS	187, 287, 387, 487	Applied Organ
MUS	188, 288, 388, 488	Applied Piano
MUS	189, 289, 389, 489	Applied Voice

MUS 390 Junior Recital (1) F, Sp, Su. For performance-concentration majors only. A one-half-hour recital required. A special fee is assessed. Prerequisites: MUS357, MUS358, and either MUS206 or MUS208.

MUS 490 Senior Recital (1) F, Sp, Su. Minimum requirements for music majors in the applied music-major instrument category. A one-half-hour recital required for graduation. A special fee is assessed. Prerequisites: MUS357, MUS358 and either MUS206 or MUS208.

MUS 491 Senior Recital (1) F, Sp, Su. For performance-concentration majors in 400-level applied music. A one-hour recital required for graduation. A special fee is assessed. Prerequisites: MUS357, MUS358 and either MUS206 or MUS208.

Department of Theatre, Cinema and Dance

Don Lillie, *Coordinator*

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271-4423

<https://www-new.missourivestern.edu/sfa/department-of-theatre-cinema/>

The Theatre, Cinema and Dance program offers unique opportunities for learning and performing. The Bachelor of Arts program in theatre and cinema is one of only a handful in the United States and the only one in the region. We provide students with an outstanding education and hands-on experiences that will prepare them for a successful career. Each student may choose their path – stage or screen!

This Bachelor of Arts degree offers an outstanding integration of both cinema and theatre. Students decide which field to specialize in – theatre or cinema – but will gain experience and knowledge in both. The Dance Minor provides students with the opportunity to explore and develop their technique in beginning and advanced classes in jazz, tap, modern and ballet.

Each course in this program provides students with the professional training necessary to develop technical, creative and storytelling skills, and allows them the opportunity to focus and hone their craft, as well as finding their own expressive voice.

Our graduates go on to successfully, pursue master's degrees in their respective fields or seek careers as actors, designers, editors, directors, cinematographers, audio engineers and more. This degree will give students the edge in today's competitive job market.

The Theatre, Cinema and Dance program offers the following degrees: (1) Bachelor of Arts in Theatre and Cinema with a concentration in Theatre or Cinema; and (2) Bachelor of Science in Education (a joint degree combining Speech Communication and Theatre).

Students may minor in Theatre, Cinema, Dance, Speech and Theatre, or Musical Theatre.

Applied Learning

Missouri Western's Theatre, Cinema and Dance program requires at least two credit hours of applied learning. These learning experiences occur outside of the classroom and allow the students to apply their knowledge in a workplace.

Graduation Requirements

In order to graduate with a B.A. in Theatre and Cinema, candidates must maintain an overall and major grade point average of 2.0 or higher and receive no more than one D in courses within the major program requirements.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

All students completing a B.A. in Theatre and Cinema must complete CIN/THR480, Senior Portfolio. CIN/THR480 must be completed during one of the last two semesters prior to graduation.

BACHELOR OF ARTS DEGREE REQUIREMENTS

The B.A. requires at least 12 credits in a single foreign language. Academic major may require additional hours in a foreign language.

Major In Theatre and Cinema

Students majoring in Theatre and Cinema may select one of two concentration areas: Cinema or Theatre.

Students in each concentration area must complete the following set of core courses totaling 31 credit hours.

			<i>Credits</i>
CIN	170	Introduction to Film	3
CIN	270	Introduction to Video Production	3
CIN	285	Film Theory and Criticism	3
CIN	360	Scriptwriting	3
CIN	362	Editing I	3
THR	113	Introduction to Theatre	3
THR	140	Production Participation	4
THR	228	Acting I	3
THR	280	Stagecraft	3
THR	367	History of Theatre	3
TOTAL CORE			31

Cinema Concentration

In addition to the 31 credit hour core named above, the following courses are required:

CIN	276	Audio Production	3
CIN	368	Producing	3
CIN	370	Editing II	3
CIN	374	Cinematography & Lighting	3
CIN	378	Acting for the Camera	3
CIN	470	Directing	3
CIN	476	Advanced Production	3
CIN	480	Senior Portfolio	1
Plus 4 additional credits of CIN or THR numbered 300 or above			4
TOTAL CONCENTRATION			26
TOTAL CORE & CONCENTRATION			57

Theatre Concentration

In addition to the 31 credit hour core named above, the following courses are required:

THR	222	Costume and Makeup Techniques	3
THR	275	Script Analysis	3
THR	328	Acting I	3
THR	348	Directing for the Stage I	3
THR	360	Playwriting	3
THR	389	Scenic Design	3
THR	448	Directing for the Stage II	3
THR	480	Senior Portfolio	1
Plus 4 additional credits of CIN or THR numbered 300 or above			4
TOTAL CONCENTRATION			26
TOTAL CORE & CONCENTRATION			57

BACHELOR OF SCIENCE IN EDUCATION

DEGREE REQUIREMENTS

Major in Speech and Theatre

Courses in communication and theatre must total 50 credits. The following specific courses are required:

			<i>Credits</i>
COM	104	Oral Communication	3
COM	210	Presentational Communication	3
CIN	270	Introduction to Video Production	3
COM	304	Media and Society	3

		<i>Credits</i>
COM 305	Interpersonal Communication	3
COM 314	Persuasion	3
COM 320	Research Methods in Communication	3
COM 324	Small Group Communication	3
COM 334	Argumentation and Debate	3
COM 338	Survey of Rhetorical Theory	OR
COM 345	Nonverbal Communication	3
COM 465	Methods of Teaching Speech and Drama	3
THR 222	Costume & Makeup Techniques	3
THR 228	Acting I	3
THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 348	Directing for the Stage I	3
Plus 3 hours in THR numbered 200 or above		3
TOTAL COM/THR		51

In addition, courses in Secondary Education must total 27 credits. The following specific courses are required: EDU202, EDU203, EDU225, EDU303, EDU304, EDU311, EDU315, EDU404, and EDU409.

MINORS

Minor in Musical Theatre

This minor is available only to students who are Speech/ Theatre and Vocal Music majors.

Requirements

		<i>Credits</i>
THR 126	Stage Movement Workshop	2
THR 140	Production Participation (Musical Theatre)	3
THR 228	Acting I	3
THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 326	Techniques of Musical Theatre Performance	3
THR xxx	Approved Elective	3
TOTAL		23

Minor in Theatre

Courses in theatre must total 20 credits. The following specific courses are required:

		<i>Credits</i>
THR 140	Production Participation	2
THR 228	Acting I	3
THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 367	History of Theatre	3
Six additional credits in THR numbered 300 or above		6
TOTAL		20

Minor in Speech and Theatre

Courses in communication and theatre must total 24 credits. The following specific courses are required:

		<i>Credits</i>
COM 210	Presentational Communication	OR
COM 334	Argumentation and Debate	3
COM 305	Interpersonal Communication	OR
COM 324	Small Group Communication	3
COM 465	Methods of Teaching Speech and Drama	3
THR 113	Introduction to Theatre	3
THR 228	Acting I	3

THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 348	Directing for the Stage I	3
	TOTAL	<u>9</u>

Additional course work is necessary for teaching certification.

Minor in Cinema

Courses in theatre and cinema must total 21 credits. The following courses are required:

		<i>Credits</i>
CIN 170	Introduction to Film	3
CIN 270	Introduction to Video Production	3
CIN 360	Scriptwriting	3
CIN 362	Editing I	3
THR 275	Script Analysis	3
Plus six additional hours in CIN numbered 300 or above		<u>6</u>
	TOTAL	<u>21</u>

Minor in Dance

Courses in Dance must total 21 credits

		<i>Credits</i>
DAN 110	Tap Dance I	OR
DAN 210	Tap Dance II	2
DAN 114	Ballet	2
DAN 120	Dance Performance	1
DAN 111	Jazz Dance I	OR
DAN 211	Jazz Dance II	2
DAN 112	Modern Dance I	OR
DAN 212	Modern Dance II	2
DAN 214	Dance History	3
DAN 310	Dance Improvisation	2
DAN 312	Dance Choreography	2
Plus 5 additional credits of Dance electives chosen from the following courses: (All courses may be repeated for credit)		
DAN 101	Beginning Dance	2
DAN 110	Tap Dance I	OR
DAN 210	Tap Dance II	2
DAN 111	Jazz Dance I	OR
DAN 211	Jazz Dance II	2
DAN 112	Modern Dance I	OR
DAN 212	Modern Dance II	2
DAN 120	Dance Performance	<u>1</u>
	TOTAL	<u>21</u>

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

THEATRE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

THR 113 Introduction to Theatre (3) F, Sp. The contributions made by directors, actors, designers, technicians, and playwrights to modern dramatic productions. Participation in a production as performer, member of stage or construction crew, or member of production committee may be required.

THR 115 American College Theatre Festival (1) DD. An intense exposure to theatre by means of attendance at the regional Kennedy Center/American College Theatre Festival. Prerequisite: THR113.

THR 126 Stage Movement Workshop (2) DD. Fundamentals of stage movement for performers and directors. Includes a basic overview of various body alignment techniques (i.e. Alexander Technique), character creation through movement using masks and clown work. Prerequisite: THR113.

THR 130 Stage Combat Workshop (1) DD. A study of weaponry styles, skills and methods as used in staging violence for stage and screen. In addition to the classroom work and assignments, attendance at a professional stage combat workshop over a weekend is mandatory. Additional registration and accommodation fees for this workshop are required. Prerequisite: THR113.

THR 140 Production Participation (1-3) F, Sp. Supervised practical work for a departmental theatrical mainstage production (includes work onstage, backstage and preproduction). May be repeated for a total of 9 credit hours.

THR 218 Oral Interpretation (3) DD. Oral reading and analysis of prose, poetry, and drama. Same as COM218. Prerequisite: COM104.

THR 222 Costume & Makeup Techniques (3) F. This course will cover the basics of theatrical costuming and makeup techniques. Students will use sewing machines to create basic patterns, hand sewing and stitching techniques, fitting garments and basic two-dimensional makeup application techniques using the concepts of highlight and shadow.

THR 224 Voice and Diction (3) DD. Theories and techniques of using and improving the actor's instrument, the voice. Including articulation, resonance, working knowledge of dialects and a mastery of the International Phonetic Alphabet. Prerequisite: THR113.

THR 225 Theatre Management (3) DD. Fundamentals of theatre management: box office management, usher training and supervision, designing lobby displays, and various PR and marketing techniques. Prerequisite: THR113. LAS Ethics.

THR 228 Acting I (3) F. Basic principles of acting theory. Studio work emphasizing warm-up techniques, improvisations, monologue and scene work. Two hours lecture, two hours lab.

THR 230 Improvisation Workshop (1) DD. This class focuses on the techniques of comedic improvisation. Students learn how to initiate scenes, build upon their scene partners' offers, and create scenes with a solid foundation through numerous exercises and practices. Prerequisite: THR113 and THR228.

THR 240 Audition Techniques Workshop (1) DD. Focus of study on monologue training for professional auditioning and the development of advanced cold reading skills. Prerequisite: THR113 and THR228.

THR 275 Script Analysis (3) F (even numbered years). A critical study of script formats: mastery of character and scene development used in works of dramatic literature and the practical application of this research to create a more dynamic and interesting character on stage. Prerequisite: THR113 & ENG104. LAS Writing.

THR 280 Stagecraft (3) F. Designed to acquaint the student with the fundamentals of scenic construction and mechanics of stage lighting, the course will include studies in drafting, technical planning, basic shop tools and techniques, construction of scenery and stage electrical equipment and practices.

THR 283 Introduction to Research Methods in Theatre (1-2) DD. Introduction to basic research methods in theatre. Individual and team projects involving methods for solving theatre-related research problems. Prerequisite: Departmental approval.

THR 322 Costume and Makeup Design (3) DD. This course will introduce the student to the world of theatrical and film design for costumes and makeup. Students will learn to apply critical script analysis and synthesize that analysis into a working costume and makeup design for production. Students will research the various periods of fashion design, types of fabrics and their use and will understand the use of color and collaboration with the lighting designer.

THR 325 Stage Management (3) DD. Fundamentals of stage management: effective time management skills, rehearsal techniques, and creation of an effective prompt script. Prerequisite: THR280.

THR 326 Techniques of Musical Theatre Performance (3) DD. Application of musical theatre performance technique utilizing scenes and music from the Broadway stage. Study includes using show research and script analysis to develop characterization. Students will also learn technique and practices for auditioning.

THR 328 Acting II (3) Sp. A continuation of Acting I with special concentration on acting technique, character development, advanced scene work, and exploration of character relationships. Two hours lecture, two hours lab. Prerequisite: THR228.

THR 345 Shakespeare in Performance (3) DD. This course focuses on the performance of the works of William Shakespeare and his contemporaries. Emphasis will be placed on analyzing a text and preparing that text for performance. Monologue and scene work will be performed. Prerequisite: THR228.

THR 348 Directing for the Stage I (3) F. Principles of directing a work of dramatic literature for the stage: material selection, casting, staging a production, and communicating with producers, actors, and technicians. Two hours lecture, two hours lab. Prerequisite: THR275.

THR 350 Selected Topics in Theatre (3) F, Sp. Specialized course work in the field of theatre. Course may be repeated for up to six credits maximum with different topics. Prerequisite: THR113 or departmental approval.

THR 360 Playwriting (3) Sp (even-numbered years). This course is designed to explore all aspects of playwriting. The course encourages creativity in writing and examines script research, pre-planning stages, play formatting, and communicating ideas through playwriting. Prerequisite: THR275. LAS Writing.

THR 361 Theatre Internship (1-3) F, Sp, Su. Students work with a professional theatre company or distinguished art institution in such capacities as are mutually agreed upon by the student, the Company, and the student advisor. The student will develop objectives related to his/her discipline and carry out those responsibilities through an internship as approved by the director. Applies theory and skills to actual work situations. Professionally supervised work experiences related to the student's area of interest. (Thirty hours of work for each credit hour.) Graded pass/fail. Application must be made at least one semester prior to course registration. Prerequisite: Overall GPA of 2.5 or higher.

THR 362 Summer Theatre Apprenticeship (3) Su. Students will be cast and/or employed by a resident summer stock theatre program. See <http://www.missouriwestern.edu/theatre> for more details about the audition application process. May be repeated for a total of six hours. Prerequisites: Minimum GPA 2.5, declared departmental major, and acceptance into the program via audition/application/portfolio review process.

THR 367 History of Theatre (3) S. The history of theatre from its beginnings to the present day. Emphasis on conditions of production with respect to theatre architecture, cultural values, costuming, staging and performance. Prerequisite: THR113. LAS International/Intercultural.

THR 370 Theatre/Video Workshop (3) DD. Practical experience in designing, staging, shooting, blocking, acting, and producing a play(s) or screenplay(s) with individual assignments designated by the instructor. May be repeated for a maximum of 6 credit hours.

THR 389 Scenic Design (3) Sp (odd-numbered years). Introduction to the techniques of drafting and scenic design for modern theatre. Students will also learn principles of basic drafting techniques. Additional drafting materials required. Prerequisite: THR113 and THR280.

THR 390 Scenic Painting (3) DD. Practical training in paints, painting tools, and layout and painting techniques for flats, drops, scrims, and three-dimensional surfaces. Coverage includes translucent painting, scrim and large drop layout and painting, and techniques for foliage and architectural painting. Prerequisites: THR113 and THR389.

THR 393 Stage Lighting (3) DD. A study of methods and materials for lighting the stage. Course focuses on script analysis, the design process, equipment, and application. The illustration and application of the uses of light both for illumination and for subtle dramatic purposes. Prerequisites: THR113 and THR389.

THR 440 Acting III (3) DD. This course of study prepares the performance student for the transition into the professional arena through an in-depth examination of the business side of show business. An intensive preparation of theatrical styled material and commercial reel is created for use in television, film and theatrical industry auditions. Theoretical approaches and practical applications are emphasized. Two hours lecture, two hours lab. Prerequisites: THR328.

THR 448 Directing for the Stage II (3) Sp. Advanced techniques in directing for the live theatre. Course will culminate in the performance of a student-directed One-Act Play Festival. Two hours lecture, two hours lab. Prerequisite: THR348.

THR 450 Independent Project (1-3) F, Sp. Independent projects developed in consultation with a departmental faculty mentor. May be repeated for up to 6 credit hours. Prerequisites: Junior standing, declared departmental major, minimum overall GPA of 2.5, and departmental approval.

THR 480 Senior Portfolio (1) F, Sp. This is a workshop course for graduating seniors which includes resume, resume reel and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, head shot (for actors), reflective self-analysis and a collection of writings, production projects and recorded audition and performance pieces from their major courses and productions during their college career. Course must be completed during one of the last two semesters prior to graduation. Course is graded on a pass/fail basis.

THR 489 CAD Drafting for the Stage (3) DD. Study and application of computer-aided design techniques for scenery construction and design, focusing on the use of VectorWorks to create technical drawings for theatre. Prerequisite: THR113 & THR389. LAS Computer Literacy.

CINEMA COURSES

Waiving of any course prerequisites requires prior departmental authorization.

CIN 170 Introduction to Film (3) F. This course is designed to introduce the student to the language of film, its history, aesthetics, theory and technology. The course will critically examine the cinema from the early days of black and white silent films to the most recent blockbusters. Attendance at weekly screenings outside of class is required.

CIN 270 Introduction to Video Production (3) F, Sp. Introduction to basic theory and practice of video production with emphasis on preproduction planning, scripting, directing, lighting, camera operation, editing and audio. Two hours lecture, two hours lab. Prerequisite: CIN170. LAS Computer Literacy.

CIN 274 Film & Video Lighting Workshop (1) DD. This workshop covers a range of film/video studio lighting practices, concepts and styles. After an introduction to lighting equipment and basic principles of light manipulation, various production scenes are staged to illustrate the required lighting set-ups. Viewing lighting strategies of master cinematographers on the screen widens the understanding of visual styles as they serve the creative concepts in telling a story. Prerequisite: CIN270.

CIN 276 Audio Production (3) F (even-numbered years). Professional techniques in audio recording, mixing, and editing for music, theatre, and film production, utilizing current digital technology. Prerequisite: CIN270.

CIN 285 Film Theory and Criticism (3) F (odd-numbered years). Examination of various approaches to film theory and criticism including formal aspects of cinema, tools for stylistic analysis, and ideological implications of film. Attendance at weekly screenings outside of class is required. Prerequisite: CIN170. LAS Writing.

CIN 310 Film Studies (3) DD. A rotating topics course focusing on various issues relating to the world of film. Topics include: History of Film, Women in Film, Film Genres, American Genres, and Film Directors. Attendance at weekly screenings outside of class is required.

CIN 350 Selected Topics in Cinema (3) F, Sp. Specialized course work in the field of video and cinema. Course may be repeated for up to six credits maximum with different topics. Prerequisite: CIN170 or departmental approval.

CIN 360 Scriptwriting (3) F. This course is designed to explore all aspects of scripting for both video and film production. The course encourages creativity in writing and examines pre-script planning, the components of scripting, scripting as communication and language as well as the mechanics of scripting. Analysis of current motion picture, commercial and television scripts. Prerequisite: CIN170 and ENG104. LAS Writing.

CIN 361 Cinema Internship (1-3) F, Sp, Su. Students work with a professional film/video production company or distinguished art institution in such capacities as are mutually agreed upon by the student, the company, and the student advisor. The student will develop objectives related to his/her discipline and carry out those responsibilities through an internship as approved by the director. Applies theory and skills to actual work situations. Professionally supervised work experiences related to the student's area of interest. (Thirty hours of work for each credit hour.) Graded pass/fail. Application must be made at least one semester prior to course registration. Prerequisite: Overall GPA of 2.5 or higher.

CIN 362 Editing I (3) F. Intermediate level non-linear editing, building upon basic editing skills introduced in CIN270. This course will provide a thorough grounding in operation of Final Cut Pro software with emphasis upon theoretical editing concepts and communication of content and meaning through visual language. Two hours lecture, two hours lab. Prerequisite: CIN270. LAS Computer Literacy.

CIN 368 Producing (3) Sp. Focuses on duties of a producer through development, financing, pre-production, production, post-production, marketing and distribution. Emphasizes production management, budgeting and scheduling. Prerequisite: CIN270. LAS Computer.

CIN 370 Editing II (3) Sp. Students will extend their knowledge of the editorial tool set, professional video standards, terminology, and aesthetics of editing. Further develop skills in design, layout, interactivity, and media encoding through the use of DVD Studio Pro. Two hours lecture, two hours lab. Prerequisite: CIN362.

CIN 372 Social Media Marketing & Production (3) F. Learn the necessary production skills to create and produce for the web. Students will also learn the new media and viral marketing strategies through an investigation of tools, which include internet forums, message boards, blogs, wikis, podcasts, picture sharing, video sharing, and social networking. Prerequisite: CIN170. LAS Ethics.

CIN 374 Cinematography and Lighting (3) F (even-numbered years). This course is an intensive exploration of the craft, technologies and aesthetic principles of cinematography and lighting techniques. Lectures and in-class demonstrations will cover film and video formats, film stocks, film and digital cameras, exposure, lenses and optics, lighting units, lighting placement, lighting control, camera support, and camera movement. Class sessions will consist of lectures, demonstrations, hands on with cameras and lighting units, exercises, and screenings of selected film clips which demonstrate specific cinematography and lighting techniques. Prerequisite: CIN270.

CIN 378 Acting for the Camera (3) Sp. Focuses on the development of auditioning skills and techniques in preparation for professional acting and performance work for film and television. Two hours lecture, two hours lab. Prerequisite: THR228.

CIN 380 Production Design (3) DD. A course in the general principles of art direction and the creation of the visual look of a production. Films will be analyzed from a design perspective: the set, costumes, make-up, cinematography, and other visual elements. Prerequisite: CIN170.

CIN 410 Production (3) DD. A rotating topics course focusing on various issues relating to the world of film production and direction. Topics include: Music Video Production, Commercial Production, Documentary Production, and Studio Production.

CIN 450 Independent Project (1-3) F, Sp. Independent projects developed in consultation with a departmental faculty mentor. May be repeated for up to 6 credit hours. Prerequisites: Junior standing, declared departmental major, minimum overall GPA of 2.5, and departmental approval.

CIN 463 Advanced Screenwriting (3) DD. Advanced study and practicum in writing feature-length screenplays with emphasis on creating works for production, sale, and/or publication. Prerequisite: CIN360. LAS Writing.

CIN 470 Directing (3) F. Examination of various theories and techniques of directing including script analysis and interpretation, directing actors for film and video, mise-en-scene, coverage, and continuity along with focus on set issues including lighting, set design, lens selection, and blocking. Prerequisite: CIN270 & CIN368.

CIN 472 Business of Film (3) DD. This course will focus on how professional film/video projects are financed, produced, distributed, marketed and exhibited. It will survey the contemporary marketplace, its pitfalls and practices, and propose workable strategies and solutions to market your work while protecting your rights as an artist. Prerequisite: CIN368. LAS Ethics.

CIN 474 Advanced Lighting for Film & Video Production (3) DD. The process of studio and location lighting for film and video; principles, instruments, measurement tools, filters/diffusers, single/multiple setups. Prerequisite: CIN374.

CIN 476 Advanced Production (3) Sp. Designed for hands-on and special projects in video production, using both studio and remote locations. Students serve in pre-assigned crew positions. Prerequisite: CIN368 & CIN470.

CIN 480 Senior Portfolio (1) F, Sp. This is a workshop course for graduating seniors which includes resume, resume reel and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, head shot (for actors), reflective self-analysis and a collection of writings, production projects and recorded audition and performance pieces from their major courses and productions during their college career. Course must be completed during one of the last two semesters prior to graduation. Course is graded on a pass/fail basis.

DANCE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

DAN 101 Beginning Dance (2) F, Sp. A beginning movement course in dance techniques and styles including elements of ballet and modern dance techniques. Emphasis is on body alignment, basic movement vocabulary and creativity. The course includes beginning instruction in theory and technique. Designed for students with little or no dance experience. Variable content course. Proper attire required. May be repeated for up to 8 hours of credit.

DAN 110 Tap Dance I (2) F. A beginning level dance course in tap dance. Steps and methods of tap including dance terminology and rhythmic awareness, coordination, clarity of sound, and tap styles. Meets 2 days a week. Tap shoes required. May be repeated for up to 8 hours of credit.

DAN 111 Jazz Dance I (2) Sp. A beginning level dance course in historical, musical and contemporary jazz dance technique. Class consists of a warm-up, across the floor and center combinations. Meets 2 days a week. Prerequisite: DAN101 or instructor approval. May be repeated for up to 8 hours of credit.

DAN 112 Modern Dance I (2) Sp. A beginning level dance course in contemporary modern dance technique. Class includes warm-up, center work, traveling movements and combinations, which promote stability, strength, movement of the torso, and alignment. Meets 2 days a week. Prerequisite: DAN101 or instructor approval. May be repeated for up to 8 hours of credit.

DAN 114 Ballet (2) F. A beginning-level dance course in classical ballet technique. Emphasizes discipline, coordination, musicality, strength and flexibility. Includes barre, centre, adagio, allegro and *réverence*. This course meets three hours per week. Prerequisite: DAN101 or instructor approval. Proper attire including pink (women) or black (men) ballet shoes required. May be repeated for up to 8 hours of credit.

DAN 120 Dance Performance (1) DD. Directed student dance performance opportunity in order to focus on dance as a performing art. Dancers perform in front of an audience. The number of hours per week is determined by the choreographer/director on a project-to-project basis. Requires instructor approval. May be repeated for up to 4 hours of credit.

DAN 211 Jazz Dance II (2) Sp. An intermediate-level dance course. Emphasizes precise and consistent technique, flexibility, balance, control and retaining long combinations in a variety of jazz styles. Class includes warm-up, floor work, center, traveling, and dance combinations. This course meets 2 days a week. Proper attire required. Prerequisite: DAN111 or instructor approval. May be repeated for up to 8 hours of credit.

DAN 212 Modern Dance II (2) F. An intermediate-level dance course in contemporary modern technique. Emphasis on release techniques, rhythmic precision, and spatial principles through extended complex combinations and athleticism. This class meets 2 days a week. Proper attire required. Prerequisite: DAN112 or instructor approval. May be repeated for up to 8 hours of credit.

DAN 214 Dance History (3) Sp (even-numbered years). Examines theatrical forms of dance in historical and cultural contexts. Major topics in dance history are examined as they pertain to the development of dance as an art form in modern society. This course meets 3 hours a week.

DAN 310 Dance Improvisation (2) F. Explores spontaneous choreography and movement. Studies include solo and group improvisation as well as in-studio and site-specific work. This course meets 2 days a week. Proper attire required. Prerequisite: DAN112 or DAN212 or instructor approval. May be repeated for up to 8 hours of credit.

DAN 312 Dance Choreography (2) Sp (odd-numbered years). Explores the choreographic process. Students learn choreographic approaches and present solo and group choreographed dance projects. Meets 2 days a week. Prerequisite: DAN111 or 211, DAN114, DAN112 or 212, or instructor approval. May be repeated for up to 4 hours of credit.

The College of Liberal Arts and Sciences

Dr. Murray Nabors, *Dean*

271-4510

www.missouriwestern.edu/las

Departments of:

Biology
Chemistry
Communication and Journalism
Computer Science, Mathematics and Physics
Economics, Political Science and Sociology
English and Modern Languages
History and Geography
Philosophy and Religion
Psychology

Programs in the College of Liberal Arts and Sciences provide opportunities for development of both the intellectual and technical skills necessary for professional competence. In-class experiences are supplemented with laboratory classes, field experiences, student/faculty collaborative research, and internships. Additionally, students focus on formal and informal writing processes, and application of computer technologies. These experiences provide learning situations that emphasize the combination of theory and hands-on practice.

Liberal Arts and Sciences faculty encourage students to reflect on the value of individual and organizational integrity, to develop personal and professional respect for others, to foster international/intercultural sensitivity, and to promote personal and social responsibility.

The College of Liberal Arts and Sciences provides the core of the university's general education program. Individually, and as a part of a team, students learn to:

- Communicate ideas effectively
- Develop critical, analytical, and quantitative skills
- Use the scientific process in daily living
- Compare, contrast, and evaluate ideas
- Develop historical frameworks in which to evaluate current and possible future events

These components of a liberal arts education allow students to become capable, well-rounded human beings, knowledgeable citizens, and productive members of society. Liberal Arts and Sciences graduates are valued by graduate and professional schools, by employers in business and nonprofit organizations, and in other careers where flexibility, creativity, and problem-solving are required.

LIBERAL ARTS AND SCIENCES AREAS OF FOCUS

A student graduating with a major in any of the disciplines within the College of Liberal Arts and Sciences (except Medical Technology) is required to take one course designated as **LAS Writing** and a second course designated as **LAS Computer Literacy**. In addition, students with majors in the departments of Communication & Journalism; Economics, Political Science and Sociology; English & Modern Languages; History and Geography; Philosophy and Religion; and Psychology are required to take one course designated **LAS**

Ethics, and another course designated **LAS International/Intercultural**. For students with majors in other LAS departments, it is only recommended that they take a **LAS Ethics** and a **LAS International/Intercultural** course. If a course is designated in more than one area, the student must choose which one of the four area requirements it will satisfy.

1. **LAS Writing**. A course in which faculty assign students both formal and informal writing in order to increase student learning, improve student writing, and initiate students into discipline-specific forms of written communication.
2. **LAS Computer Literacy**. A course designed to teach discipline-specific computer software and hardware. A partial list of skills which may be taught include: data collection and analysis, word processing, desktop publishing, ethical or human issues of computing, discipline-specific applications of computer technology.
3. **LAS Ethics**. A course in which issues of ethical concern to professionals in their major field of study are addressed. These courses will give significant attention to professional codes of ethics, case studies identifying ethical dilemmas, or issues of contemporary (or historical) social concern.
4. **LAS International/Intercultural**. A course which presents a significant recognition, awareness, and understanding of cultural or international diversity.

These courses are designated in the course descriptions listed with each academic department. Preferably, students will take these courses within their major; however, students may choose to fulfill this requirement with courses outside their major.

PREPROFESSIONAL PROGRAMS

Preprofessional programs in specialized fields are offered for students who plan to transfer to another university for the completion of their studies. Students choosing these programs should select a transfer institution early and should work closely with their academic advisor. Contact the academic department listed below for more information. Preprofessional programs in the College of Liberal Arts and Sciences and the advising department(s) at MWSU include:

- Dentistry (Biology or Chemistry)
- Engineering (Computer Science, Math and Physics)
- Journalism (Communication & Journalism)
- Law (History and Geography or Economics, Political Science, and Sociology)
- Medicine (Biology or Chemistry)
- Med-Tech (Chemistry)
- Optometry (Biology or Chemistry)
- Pharmacy (Chemistry)
- Physical Therapy (Biology or Chemistry)
- Vet-Medicine (Biology or Chemistry)

Additional preprofessional programs can be found in the College of Professional Studies section of this catalog.

Courses Officially Designated for Liberal Arts & Sciences Areas of Focus

Department	LAS Writing	LAS Computer Literacy	LAS Ethics	LAS International/ Intercultural
Biology	BIO 105 BIO 106	BIO 225	*NA	*NA
Chemistry	CHE 495	CHE 321 CHE 381 / 382	*NA	*NA
Comm/ Journalism	COM 215 COM 305 COM 342 COM 345	COM 320	COM 210 COM 215 COM 415 COM 465	COM 338 COM 342 COM 345
Computer Science/ Math/ Physics	CSC 400 CSC 406 MAT 206 MAT 416	CSC 184 MAT 217 MAT 317 MAT 331	*NA	*NA
English/ Modern Languages	ETC 324 ENG 301 ENG 385 ENG 386 ENG 400 EPR 422 JOU 302 FRE 207 / 307 FRE 422 FRE 442 SPA 302 SPA 315	ETC 200 ETC 324 ENG 323 ENG 465 EPR 326 EPR 422 JOU 327 FRE 302 SPA 332	ETC 200 ENG 321 ENG 364 ENG 410 ENG 430 ENG 460 ENG 480 JOU 303 FRE 322 FRE 432 SPA 322	ENG 320 ENG 321 ENG 324 ENG 325 ENG 354 ENG 355 ENG 356 ENG 357 ENG 361 ENG 473 ETC 421 FRE 206 / 306 FRE 207 / 307 FRE 322 SPA 248 / 348 SPA 250 / 350 SPA 322 SPA 332 SPA 422 SPA 432 FRE / GER / SPA 340 JOU 303

*NA means "not applicable"

NOTE: Students may not use the same course to fulfill more than one LAS Focus requirement.

**Courses Officially Designated for
Liberal Arts & Sciences Areas of Focus**

Department	LAS Writing	LAS Computer Literacy	LAS Ethics	LAS International/ Intercultural
Economics/ Pol Science/ Sociology	ECO 367 ECO 462 PSC 310 PSC 370 PSC 390 PSC 420 SOC 440	ECO 460 ECO 464 PSC 300 SOC 460	ECO 362 ECO 365 ECO 375 ECO 376 PSC 310 PSC 312 PSC 370 SOC 360 SOC 430	ECO 461 ECO 463 PSC 200 PSC 340 PSC 380 PSC 400 SOC 315 SOC 400
History/ Geography	HIS 300 HIS 301 HIS 302 HIS 310	GEO 210	*NA	GEO 320 HIS 320 HIS 336 HIS 370
Philosophy/ Religion	PHL 257 PHL 303 PHL 310	PHL 260	PHL 310 PHL 312 PHL 330 REL 361	REL 260 REL 361
Psychology	PSY 303 PSY 490	PSY 300 PSY 415	PSY 301 PSY 303 PSY 400	PSY 222 PSY 230 PSY 260

*NA means "not applicable"

NOTE: Students may not use the same course to fulfill more than one LAS Focus requirement.

Department of Biology

Dr. Todd Eckdahl, *Chairperson*

eckdahl@missouriwestern.edu
271-5873

<http://www.missouriwestern.edu/Biology/>

Biology students study all forms of life at the molecular, organismal, and population levels of complexity. Students work in well-equipped laboratories using current tools and techniques, and in the department's campus natural area where students study life in its natural environment. Independent research and special problems courses are offered for advanced students.

The biology curriculum consists of core courses taken by all biology majors, followed by biology electives in specific areas. The department curriculum provides excellent preparation for prospective science teachers, graduate students, and research biologists, among others, and for professional programs in medicine, dentistry, and veterinary medicine.

Earth Science and Physical Science (for the elementary teacher) are also listed in the Biology Department.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

All students completing any B.S. degree requirement in the Biology Department will be required to take the departmental exit exam prior to graduation.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Major in Biology

Students may select among the following options as a Biology major:

1. Major in Biology
2. Major in Biology with Zoology Concentration
3. Major in Biology with Botany Concentration
4. Major in Biology with Health Science Concentration

Core Requirements

			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	225	Evolutionary Ecology	4
CHE	111	General Chemistry	5
CHE	120	General Chemistry II	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	370	Biochemistry	4
MAT	132	Elementary Statistics	3
PHY	110	College Physics I	4
		TOTAL CORE	<hr/> 42

Major in Biology

Core plus 22 additional credits from biology courses numbered 300 or higher selected from the following areas:

A. Organismal Diversity (12 credits). Select three (3) courses from at least two (2) of the following areas:

1.	BIO 415	Invertebrate Biology	OR
	BIO 416	Vertebrate Biology	OR
	BIO 455	Entomology	4
2.	BIO 350	Plant Systematics	OR
	BIO 407	Plant Morphology	4
3.	BIO 390	Microbiology	OR
	BIO 417	Medical Parasitology	4
		Total A	12

B. Physiology (4 hours). Select one of the following:

	BIO 311	Animal Physiology	OR
	BIO 340	Plant Physiology	4
		Total B	4

C. Biological Electives. Complete an additional six (6) credits of upper division biology courses.

Total C	6
TOTAL CONCENTRATION	22
TOTAL CORE AND CONCENTRATION AREA	64

Major in Biology with Botany Concentration

Core plus 22 additional credits from biology courses numbered 300 or higher selected from the following areas:

A. Organismal Diversity (14 credits)

	BIO 350	Plant Systematics	4
	BIO 407	Plant Morphology	4
	BIO 351	Local Flora: Spring & Summer	2
	BIO 455	Entomology	4
		Total A	14

B. Physiology (4 hours)

	BIO 340	Plant Physiology	4
		Total B	4

C. Biological Electives. Complete an additional four (4) credits of upper division biology courses.

Total C	4
TOTAL CONCENTRATION	22
TOTAL CORE AND CONCENTRATION AREA	64

Major in Biology with Zoology Concentration

Core plus 21 additional credits from biology courses numbered 300 or higher selected from the following areas:

A. Organismal Diversity (16 credits). Select two (2) courses from each of the following two (2) areas:

1.	BIO 415	Invertebrate Biology	4
	BIO 417	Medical Parasitology	4
	BIO 455	Entomology	4
2.	BIO 318	Ornithology	4
	BIO 385	Herpetology	4
	BIO 416	Vertebrate Biology	4
	BIO 418	Mammology	4
		Total A	16

B. Physiology (4 hours)

	BIO 311	Animal Physiology	4
		Total B	4

C. Biological Electives. Complete an additional 1-4 credits of upper division biology courses.

Total C	1-4
TOTAL CONCENTRATION	21-24
TOTAL CORE AND CONCENTRATION AREA	63-66

Major in Biology with Health Science Concentration

The courses required for this concentration should prepare the student interested in a health and preprofessional program to apply and, if admitted, to succeed in the health professional program of their choice.

Students selecting the Health Science concentration must be aware that additional courses may be needed to complete the admission requirements for the health professional program that they are interested in. In addition to the 42 credit core above, a minimum of 21 credits of coursework must be selected from the following areas:

A. Health Science Electives (choose 5 of the following courses)

			<i>Credits</i>
	BIO 250	Human Anatomy and Physiology (5)	20-21
	BIO 311	Animal Physiology (4)	OR
	BIO 390	Microbiology (4)	
	BIO 410	Molecular Biology (4)	
	BIO 411	Developmental Biology (4)	
	BIO 416	Vertebrate Biology (4)	
	BIO 417	Medical Parasitology (4)	
	BIO 421	Immunology (4)	
	BIO 430	Molecular Basis of Disease (4)	
	BIO 431	Molecular Biology (4)	

B. Science Electives

Upper division biology or chemistry course(s)	1-5
TOTAL CONCENTRATION AREA	21-26
TOTAL CORE AND CONCENTRATION AREA	63-68

MISSOURI WESTERN'S MEDICAL SCHOOL ADMISSIONS PROGRAMS

Kansas City University of Medicine and Biosciences:

Early Matriculation Partners Program

Missouri Western students have the opportunity to be selected into the Partners Program with the Kansas City University of Medicine and Biosciences (KCUMB). This program is designed for outstanding students interested in Osteopathic Medicine to enter KCUMB following their junior year. Following successful completion of the first year of medical school at KCUMB, appropriate credits will be transferred to MWSU and students will be awarded a Bachelors of Science degree majoring in Biology / Health Science concentration. Students will be selected in the sophomore year based on the following criteria: 1) ACT score- 28 minimum, 2) Freshman year academic performance (minimum 3.25 GPA / 3.50 Science GPA), 3) Community service, 4) Extracurricular activities, 5) Physician shadowing experiences, 6) Knowledge of and dedication to the field of osteopathic medicine.

To be considered, students must make application to the committee no later than the advertised deadline, typically November 1st, of the fall semester of the sophomore year. Selection of qualified applicants will be made by the Missouri Western Health Professions Advisory Committee following an interview. Selected students will then interview during a regular interview day at KCUMB. Final selection into the Partners Program is made by the KCUMB Admissions Committee. Selected students must declare a Biology / Health Science Emphasis major at MWSU and complete the following academic requirements by the end of the junior year:

A minimum of 94 credits, including:

1. All MWSU general studies courses required for graduation
2. All MWSU Biology Major Core Requirements (see college catalog or department)
3. PHY 111 College Physics II (3)
4. A minimum of three of the following courses:
 - BIO 250 Human Anatomy and Physiology (5)
 - BIO 311 Animal Physiology (4)
 - BIO 390 Microbiology (4)
 - BIO 410 Molecular Cell Biology (4)
 - BIO 411 Developmental Biology (4)
 - BIO 417 Medical Parasitology (4)
 - BIO 421 Immunology (4)
 - BIO 430 Molecular Basis of Disease (4)

To remain in the Partners Program, students must maintain an overall GPA of 3.25 and a science GPA of 3.5 with all science classes earning a grade of "C" or above. Failure to maintain these academic standards will result in dismissal from the program. The MCAT will not be required for admission through this early matriculation Partners Program. However, selected students must attend a mandatory course conducted at KCUMB following the junior year and prior to matriculation. Additional details and application material can be obtained through the MWSU Department of Biology or visit <http://www.kcumb.edu/admissions/partnersprogram.asp>.

A.T. Still University's Kirksville College of Osteopathic Medicine: Still Scholars Early Acceptance Program

The Still Scholars Early Acceptance Program is designed to provide early admission to outstanding pre-medical students who have as their goal to become Doctors of Osteopathic Medicine at A.T. Still University's Kirksville College of Osteopathic Medicine (ATSU-KCOM), without the requirement to complete the MCAT. This program encourages students to focus on developing strong academic and leadership skills, yet allows

them to focus on their undergraduate experience without the additional pressures of preparing for the MCAT. In addition, Still Scholars are awarded an academic scholarship for medical school upon entry to ATSU – KCOM.

Applicant Criteria

- Minimum grade point average (GPA) of 3.40 cumulative and science
- Submission of application and official transcripts by specified date. Application is located here:
http://www.atsu.edu/kcom/admissions/preparing_DO_admission/still_scholars/pdfs/StillScholarsGenericRevisedApplication.pdf

Application Process

Students may apply to be a Still Scholar after completing a minimum of two years of undergraduate education, but have no less than two years of full-time coursework left in their curricular requirements prior to graduation. Students must have attended school full-time for a minimum of two years of their undergraduate college experience, and courses that meet the academic pre-requisites must have been taken in a traditional residential setting (not on-line). Applications will be due to the Pre-Health Advisory Committee on April 1 for review. Qualified applicants will be interviewed by the MWSU Pre-Health Advisory Committee and applications of students selected for nomination **must be received by ATSU Admissions (from the Pre-Health Advisor) on or before June 1.**

Application Criteria

1. Completed Application with Essays
2. Three evaluation forms/ current letters of recommendation (one from each of the following):
 - *Academics:* Pre-Health Professions Advisor OR Science Faculty Member
 - *Clinical or Work Experience:* Health Professional or Employer/Supervisor*
 - *Community Involvement:* Extra-Curricular Organization Advisor*

*If a letter cannot be provided, another faculty member's evaluation will be accepted
3. Overall strong academic record (3.40 or higher cumulative GPA; 3.40 or higher science GPA)
4. Transcript(s) showing the completion of at least 75% of the following academic coursework to demonstrate successful fulfillment of all academic requirements for ATSU-KCOM's Still Scholars Program:
 - *Biology with Lab:* Two completed courses (8 semester hours/ 12 quarter hours)
 - *General Chemistry with Lab:* Two completed courses (8 semester hours/ 12 quarter hours)
 - *Organic Chemistry with Lab:* Two completed courses (8 semester hours/ 12 quarter hours)
 - *General Physics with Lab:* Two completed courses (8 semester hours/ 12 quarter hours)
 - *English:* Two completed courses (6 semester hours/ 8 quarter hours)

Students must have received a grade of "B" or above in the previously listed courses from a U.S., regionally accredited college or university at the time of their Still Scholars application.

Selection Criteria

Applicants will interview in early Fall following their sophomore year. Selected students (maximum of 15) will be awarded reserved admissions to ATSU – KCOM at the beginning of their junior year. **The ATSU – KCOM selection committee will rank the top students using the following criteria:**

- Overall academic record
- Fulfillment of academic requirements with a minimum grade of "B" in each required course

- Proven commitment to osteopathic medicine based on required essays
- Community service/Leadership positions held
- Evaluation forms/Letters of recommendation
- Successful interview with the KCOM selection committee

Participant Criteria

- Maintain a minimum GPA of 3.40 cumulative and science
- Continue to gain clinical experience/exposure (>200 hours total is highly recommended)
- Continue community service/leadership opportunities
- Demonstrate commitment to osteopathic medicine
- Participate in all ATSU – KCOM Still Scholars Events/ Activities (on-line and on-campus)
- Complete ATSU – KCOM pre-requisites and required coursework to earn BA/BS degree
- Maintain accurate contact information with ATSU Admissions
- Participate in ATSU – KCOM final pre-matriculation review
- Complete AACOMAS application by July 1 prior to senior year
- Complete ATSU – KCOM secondary application by August 1 prior to senior year

All prescribed courses in the baccalaureate program of the applicants' choice must be taken at Missouri Western State University. Any deviation from the required courses requires written approval from the Pre-Health Advisor and from ATSU Admissions. Participants must matriculate within one year of graduation from Missouri Western State University. A.T. Still University – Kirksville College of Osteopathic Medicine reserves the right, at any time, to reject a student deemed unsuitable for the program. In addition, acceptance will be withdrawn if application is made to another medical/osteopathic school, if participant criteria are not met, if academic, ethical or moral violation occurs, or if a personal change in career choice is made. Additional details and information can be obtained through the MWSU Department of Biology or at http://www.atsu.edu/kcom/admissions/preparing_DO_admission/still_scholars/index.htm

University of Missouri - Kansas City, School of Medicine:

Medical Scholars Program

The UMKC School of Medicine offers a Medical Scholars program that would offer early and guaranteed admission to Missouri Western State University students interested in applying to medical school. This program would offer early admission into the School of Medicine's M.D. Program for students currently in their sophomore or junior year of college.

Application Timeline

May 1: Medical Scholars Program Application becomes available.

Current college students may apply to the program during the summer between their sophomore and junior year or junior and senior year of college.

September 1: Application deadline.

The School of Medicine Medical Scholars program application is due by this date. All supporting documents must also be postmarked by this date, including college transcripts, personal statement, resume, and letters of recommendation.

Requirements for Consideration

In order to be considered for the Medical Scholars program, a student must meet the following requirements:

- Obtain a cumulative GPA of 3.5 or higher at the end of the sophomore year.
- Earn a grade of "B" or higher in science coursework.
- Students must present a full application which will include the following:

- Medical Scholars Program Application.
- College transcript displaying grades through the point of application.
- Personal statement or essay addressing the following:

What has motivated you to study medicine? Why are you interested in the UMKC Medical Scholars program?

- Résumé or CV, highlighting specific health care experiences.
- A minimum of three letters of recommendation, including at least one from a faculty member.

Final Requirements for Students Admitted to the Medical Scholars Program

Matriculation to the UMKC School of Medicine is conditional upon meeting the following requirements:

- Earn a baccalaureate degree prior to entering the School of Medicine in January of the chosen year.
- Earn a combined MCAT score of 26 or higher.
- Earn a cumulative GPA of 3.5 or higher.
- Earn a GPA of 3.5 or higher in the following pre-requisite courses:
 - A minimum 19 hours of Chemistry that includes:
 - Two semesters of general chemistry with lab,
 - One semester of organic chemistry,
 - One semester of biochemistry (an upper level course).
 - A minimum 14 hours of Biology that includes:
 - One semester of general Biology with lab,
 - One semester of genetics,
 - One semester of cell biology.
- Students must earn a grade of “B” or above in all pre-requisite coursework.
- At graduation, provide a letter of support from an academic advisor or faculty member addressing citizenship.
- Submit to and pass a criminal background check prior to matriculation to the School of Medicine.
- Submit the School of Medicine Technical Standards sheet.

Instructions for Application

An application will NOT be reviewed until all supporting documents have been received. When all application materials have been received, the Council on Selection in the School of Medicine will review all complete applications. All application materials must be postmarked by September 1.

Students applying for admission to the School of Medicine Medical Scholars Program must submit the following documents to:

***UMKC School of Medicine
Office of Admissions/Council on Selection
2411 Holmes Street
M1-103
Kansas City, MO 64108***

- The School of Medicine Medical Scholars Program application
- Official college transcripts
- Personal statement
- Résumé
- Three letters of recommendation. These should be submitted directly to the School of Medicine by professors, advisors, or others who can speak to your academic ability and personal characteristics.

After the review of all complete applications by the Council on Selection in the School of Medicine, candidates will be selected for interview. If selected for an interview, applicants will be required to be present at the date and time of the interview. All applicants invited to interview must interview in person at the School of Medicine. Phone interviews will not be permitted. After all applicants invited have been interviewed, the Council on Selection will extend offers of guaranteed admission to those candidates who best qualify for the Medical Scholars Program. Applicants will be notified in writing of the decision. Additional details and information can be obtained through the MWSU Department of Biology or at http://www.med.umkc.edu/med_admissions/Med_Scholars_Program.shtml.

University of Missouri-Columbia, School of Medicine: Bryant Scholars Program

The University of Missouri School of Medicine established the Lester R. Bryant Pre-Admissions Program in 1995 to attract students who have both a rural background and an interest in practicing rural medicine for pre-admission to the MU School of Medicine. Students must meet the following criteria to be eligible to apply to the Bryant Scholars Program.

Applicants must:

- Be in the process of completing their sophomore (second) year in college
- Have a composite score on the ACT examination of 28 or 1260 (CR+M) on the SAT prior to entering college
- Show evidence of high academic achievement during the first two years of college. Applicants must have minimum 3.3 cumulative GPA and minimum 3.3 Math/Science GPA
- Have A or B (B minus is accepted but reviewed on a case by case basis) grades in required lecture/lab courses already taken at the time of application
- Show evidence of leadership and interest in a variety of extracurricular activities
- Be a Missouri resident
- Have graduated from a rural Missouri high school as defined by the National Center for Education Statistics (NCES)
- Be full-time enrolled at one of the participating institutions

Applications and supporting materials are due June 1st to MU School of Medicine. Only complete applications with all required application materials will be considered. It is the responsibility of the applicant to ensure all required materials are received by MU School of Medicine. Applications or supporting materials postmarked after June 1st will not be considered.

Additional details can be obtained through the MWSU Department of Biology or find the most up-to-date information, program requirements, required coursework, application material, and more at <http://medicine.missouri.edu/ahec/pre-admissions.html>. Please review this web site carefully.

Major in Wildlife Conservation and Management

Provides the student interested in Conservation and/or Wildlife Management with the background needed to be hired as a biologist by various state, federal, and nongovernmental agencies, as well as at the GS-5 or GS-7 level by the U.S. Fish and Wildlife Service as well as meet the education requirements for certification as Associate and Certified Wildlife Biologist by the Certification Program of Professional Wildlife Biologists of The Wildlife Society.

Major Requirements			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	209	Introduction to Wildlife Conservation	3
BIO	225	Evolutionary Ecology	4
BIO	311	Animal Physiology (4)	OR
BIO	340	Plant Physiology	4
BIO	318	Ornithology	4
BIO	350	Plant Systematics (4)	OR
BIO	407	Plant Morphology	4
BIO	351	Local Flora: Spring and Summer	2
BIO	360	Development of Federal Wildlife Law	3
BIO	409	Principles of Terrestrial Wildlife Management	3
BIO	415	Invertebrate Biology (4)	OR
BIO	455	Entomology	4
BIO	418	Mammalogy	4
BIO	461	Renewable Resources Policy and Administration (3)	OR
PHL	325	Ethics of Environmental and Natural Resource Policy	3
Department approved elective			4-5
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
MAT	132	Elementary Statistics	3
PHY	110	College Physics I	4
Department approved Communications elective			3
Conservation Internships:			
BIO	425	Biology Teaching Internship (2)	OR
BIO	425	Biology Teaching Internship (1)	AND
BIO	450	Independent Research/Project	2
TOTAL			<hr/> 76-78

Major in Biochemistry and Molecular Biology

The Bachelor of Science Major in Biochemistry and Molecular Biology is an interdisciplinary program offered jointly by the departments of Biology and Chemistry. It is designed to prepare students for graduate level education or careers in biochemistry, cell and molecular biology, and related biotechnology fields.

Students pursuing the Bachelor of Science degree majoring in Biochemistry and Molecular Biology are required to complete the following curriculum.

The following core courses are required:

Core Requirements			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	225	Evolutionary Ecology	4
BIO	331	Bioinformatics	2
BIO	410	Molecular Cell Biology	OR
BIO	431	Molecular Biology	4
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
CHE	340	Physical Chemistry for the Biological Sciences (4)	OR
*CHE	383/384	Physical Chemistry Thermodynamics and Kinetics/Lab (5)	4-5

CHE	370	Biochemistry I	4
CHE	470	Biochemistry II	3
CHE	495	Seminar in Chemistry	2
PHY	110/111	College Physics I/II (8)	OR
PHY	210/211	University Physics I/II* (10)	8-10
MAT	165	Calculus with Analytic Geometry I: Differentiation (3) &	
MAT	166	Calculus with Analytic Geometry I: Integration (3)	OR
MAT	167	Calculus with Analytic Geometry I (5)	5-6
SUBTOTAL			<hr/> 67-71

*Prerequisite MAT177 and PHY210

Electives: Complete a minimum of twelve (12) credits from Biology or Chemistry courses numbered 300 or higher. CHE383 may not be used as an elective course if CHE340 is taken in the core requirements. CHE426 may not be taken as an elective if CHE326 is taken.

SUBTOTAL	<hr/>
TOTAL	<hr/> 12 79-83

ACS Certification in Biochemistry

Students are eligible to receive certification in the area of Biochemistry from the American Chemical Society (ACS) if the following course work is completed.

The following courses must be taken in the core requirements:

CHE	383/384	Physical Chemistry: Thermodynamics and Kinetics/Lab	5
PHY	210/211	University Physics I/II (substitutes for PHY110/111)	10

Where choices are available for major electives the following courses must be taken:

CHE	312/313	Organic Chemistry II/Laboratory (5)	
* CHE	381/382	Physical Chemistry: Quantum Mechanics/Lab (4)	
CHE	326	Instrumental Analysis (4)	OR
** CHE	426	Instrumental Methods (5)	
CHE	441	Advanced Inorganic Chemistry (3)	
MAT	177	Calculus with Analytic Geometry II (5)	

*Prerequisite: MAT177 and PHY210

**Prerequisite: CHE381/382

Major in Biotechnology

The Bachelor of Science degree with a major in Biotechnology is designed to prepare students for careers in the growing biotechnology industry in St. Joseph and beyond. Students with a B.S. degree in Biotechnology will be qualified to enter the workforce as bench scientists.

Students can earn the B.S. degree in Biotechnology by completing the following curriculum:

A. Life Science Courses:

			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	225	Evolutionary Ecology	4
BIO	331	Bioinformatics	2
BIO	390	Microbiology	4
CHE	370	Biochemistry I	4
TOTAL A			<hr/> 26

B. Physical Science Courses:

CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
MAT	132	Elementary Statistics *	0-3
PHY	110	College Physics	4
TOTAL B			23-26

C. Business & Ethics Courses:

GBA	210	Business Statistics I *	0-3
GBA	211	Business Law I	3
ECO	261	Principles of Microeconomics	3
MGT	350	Management of Organizations	3
MKT	301	Principles of Marketing	3
PHL	230	Ethics	3
TOTAL C			15-18

D. Electives: Complete a minimum of six (6) credits of upper division Biology or Chemistry.

TOTAL D	6
TOTAL FOR THE MAJOR	73

*Students must select either MAT132 (from category B) **OR** GBA210 (from category C).

Major in Natural Science in Biology

Requirements	<i>Credits</i>
BIO 105 Principles of Organismal Biology	4
BIO 106 Principles of Cell Biology	4
BIO 205 Genetics	4
BIO 225 Evolutionary Ecology	4
BIO 390 Microbiology	4
CHE 111 General Chemistry	5
CHE 120 General Chemistry II with Qualitative Analysis	5
CHE 310 Organic Chemistry I	3
CHE 311 Organic Chemistry Laboratory I	2
CHE 321 Quantitative Analysis	4
CHE 370 Biochemistry I	4
MAT 132 Elementary Statistics	3
PHY 110 College Physics I	4
PHY 111 College Physics II	4
ESC 111 Physical Geology	4
SUBTOTAL	58

Plus 12 additional credits from biology courses numbered 300 or higher selected from the following areas:

A. Organismal Diversity (4 credits). Select one (1) from the following areas:

BIO 415 Invertebrate Biology	OR
BIO 416 Vertebrate Biology	OR
BIO 350 Plant Systematics	OR
BIO 407 Plant Morphology	OR
BIO 455 Entomology	4

B. Physiology (4 credits). Select one of the following:

BIO 311 Animal Physiology	OR
BIO 340 Plant Physiology	4

C. Biological Electives. Complete an additional four (4) credits of upper division biology courses.

TOTAL FOR THE MAJOR

4
70

Major in Natural Science in Biology for Secondary Teachers

Students desiring to teach Biology at the secondary school level are required to complete the Bachelor of Science degree program in Biology along with the Professional Education Sequence for teacher certification at the secondary school level (see description under Professional Education Sequence).

Requirements			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	225	Evolutionary Ecology	4
BIO	308	History and Philosophy of the Natural Sciences	3
BIO	380	Biology Teaching: Materials & Methods	3
BIO	390	Microbiology	4
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
CHE	370	Biochemistry I	4
MAT	132	Elementary Statistics	3
PHY	110	College Physics I	4
PHY	111	College Physics II	4
ESC	111	Physical Geology	4
ESC	120	Meteorology	4
SUBTOTAL			<u>68</u>

Plus 8 additional credits from biology courses numbered 300 or higher selected from the following areas:

A. Organismal Diversity (2-4 credits). Select one (1) from the following:

BIO	318	Ornithology (4)	
BIO	350	Plant Systematics (4)	
BIO	351	Local Flora: Spring and Summer (2)	
BIO	407	Plant Morphology (4)	
BIO	415	Invertebrate Biology (4)	
BIO	416	Vertebrate Biology (4)	
BIO	418	Mammalogy (4)	
BIO	455	Entomology (4)	
TOTAL A			<u>2-4</u>

B. Physiology (4 credits). Select one (1) of the following:

BIO	311	Animal Physiology	OR
BIO	340	Plant Physiology	<u>4</u>
TOTAL B			<u>4</u>

Completion of the Professional Education Sequence:

EDU	202	Introduction to Education	3
EDU	203	Participation in Teaching I	1
EDU	225	Educational Psychology	2
EDU	303	Experience in Teaching II	2
EDU	304	Applied Methods and Management	3

EDU	311	Secondary Reading Techniques	2
EDU	315	Psychology & Education of the Exceptional Student	2
EDU	404	Seminar in Secondary Education & Human Relations	3
EDU	409	Student Teaching III	9
		TOTAL EDUCATION	<u>27</u>
		TOTAL FOR THE MAJOR	101-103

Overall GPA of 2.75 and major GPA of 3.0 required for admittance into Teacher Education, graduation, and Missouri Certification.

Students completing this program will qualify for Missouri Teaching Certification in Biology, Chemistry and Physics.

MINORS

Minor in Biology

A minor in biology consists of 20 credits including at least one course from areas 1-5 listed below.

1. Basic Biology:

- BIO 101 Principles of Biology (4)
- BIO 105 Principles of Organismal Biology (4)
- BIO 106 Principles of Cell Biology (4)

2. Environmental Biology:

- BIO 225 Evolutionary Ecology (4)
- BIO 305 Human Ecology (3)

3. Physiology:

- BIO 250 Anatomy and Physiology (5)
- BIO 311 Animal Physiology (4)
- BIO 340 Plant Physiology (4)

4. Organismal Diversity:

- BIO 251 Medical and Public Health Microbiology (4)
- BIO 318 Ornithology (4)
- BIO 350 Plant Systematics (4)
- BIO 351 Local Flora: Spring and Summer (2)
- BIO 390 Microbiology (4)
- BIO 407 Plant Morphology (4)
- BIO 411 Developmental Biology (4)
- BIO 415 Invertebrate Biology (4)
- BIO 416 Vertebrate Biology (4)
- BIO 417 Medical Parasitology (4)
- BIO 418 Mammalogy (4)
- BIO 455 Entomology (4)

5. Biology Electives:

- BIO 205 Genetics (4)
- ALH 352 Applied Nutrition (2)

Or any 300- or 400-level BIO course not used in any of the above categories.

TOTAL 20

Careful attention must be given to course prerequisites in the planning of the minor program.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

BIOLOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

BIO 101 Principles of Biology (4) F, Sp, Su. Principles of living phenomena; meets the general education biological science requirement. Three hours lecture, two hours lab.

BIO 105 Principles of Organismal Biology (4) F, Sp. Examines basic concepts and principles related to organismal morphology and homeostasis of representative organisms. Three hours lecture and three hours lab per week. Prerequisites: ACT math score of 20 or higher or the equivalent, ACT English score of 19 or higher or the equivalent, and ACT reading score of 19 or higher or the equivalent. LAS Writing.

BIO 106 Principles of Cell Biology (4) F, Sp. A course for biology majors and students planning to take additional courses in biology, covering basic biochemistry, cell structure and function, molecular biology, genetics, physiology and development of plants and animals. Three hours lecture and three hours lab. Prerequisites: ACT math score of 20 or higher or the equivalent, ACT English score of 19 or higher or the equivalent, and ACT reading score of 19 or higher or the equivalent. LAS Writing.

BIO 116 Naturalist Training (1) F. This course emphasizes the interpretation of Missouri habitats, plants and animals. The history and philosophy of nature interpretation and its importance to conservation education is covered. The course is designed for students who wish to serve as official volunteers for the Missouri Department of Conservation during their college career and beyond. Course grades assigned on a pass/fail basis. Prerequisite: BIO101 or BIO105 recommended.

BIO 205 Genetics (4) F, Sp. Explore and study classical, molecular, and evolutionary genetics. Three hours lecture and three hours lab per week. Prerequisites: BIO106 and CHE111 with a grade of C or above.

BIO 209 Introduction to Wildlife Conservation (3) Sp. This course surveys the historic and modern development of conservation biology. How the principles of conservation are applied to the management, restoration, conservation and preservation of wildlife natural resources is emphasized. Prerequisites: BIO105 with a grade of C or above. BIO225 recommended.

BIO 220 Field Natural History (1-3) DD. Involves participation in an off-campus field trip to experience a focused study of a unique biotic habitat. May involve pre-trip lectures and organizational meetings and/or post-trip class sessions or presentations. Different BIO220 courses may be repeated for credit. Prerequisites: BIO101, BIO105, or BIO106 or departmental approval.

BIO 225 Evolutionary Ecology (4) F, Sp. Covers principles of ecology and evolution, including field and research methods. Three hours lecture and three hours lab. Prerequisites: A grade of C or above in BIO105. LAS Computer Literacy.

BIO 250 Anatomy and Physiology (5) F, Sp, Su. Concepts of human structure and function and relationships of these concepts to cells, tissues, organs and systems. Four hours lecture, two hours lab. Prerequisite: A grade of C or above in either BIO101 or BIO106.

BIO 251 Medical and Public Health Microbiology (4) F, Sp. Medically significant microorganisms, their characteristics, relationship to disease, transmission, and control methods. Three hours lecture, three hours lab. Prerequisite: BIO101 or BIO106 and CHE101, CHE104, or CHE111 each with a grade of C or above.

BIO 265 Biology of Aging (3) DD. Introductory course examining the aging process in humans and other living organisms. Research into the causes of aging, prospects of retarding or reversing the aging process and the outlook for increasing life expectancy and life span in humans is reviewed. Prerequisite: BIO101.

BIO 283 Introduction to Research Methods in Biology (1-5) DD. Introduction to basic research in biology. Individual and team projects involving methods for solving biology-related research problems. Prerequisite: Departmental approval.

BIO 305 Human Ecology (3) F. Mankind and the environment; pollution, population, resources, environmental law, and environmental ethics. Prerequisite: A grade of C or above in either BIO101, BIO105, or BIO106.

BIO 308 History and Philosophy of the Natural Sciences (3) Sp. A study of the history of the natural sciences with an emphasis on the philosophical analysis of these events. Prerequisites: Completion of General Studies Mathematics and Natural Sciences requirements.

BIO 311 Animal Physiology (4) F. The physiological systems, their functions and interactions in animal physiology with emphasis on the human animal. Three hours lecture, three hours lab. Prerequisite: BIO205 with a grade of C or above.

BIO 313 Topics in Molecular Genetics (1) DD. A selected topics lecture course dealing with the molecular biology of the gene, i.e., the storage, modification, transmission, and retrieval of macromolecular information. One hour lecture/discussion. Prerequisites: Either BIO101 or BIO106, and BIO205.

BIO 314 Technology and Society (3) F, Sp. Participatory course emphasizing a particular problem and/or issue related to technology and society. Class participants will investigate the semester's theme using currently available technologies. Same as ENG314, HUM314, PSY314, and PSC314. Prerequisites: Category One - Basic Skills courses.

BIO 318 Ornithology (4) Sp (even-numbered years). This course covers the taxonomy, anatomy, physiology, behavior and evolution, and sight and sound identification of birds. Prerequisite: BIO225 with a grade of C or above.

BIO 320 Histology (4) DD. Identification and description of microscopic structure, organization of tissues and organs, preparation of tissues for observation and study. Three hours lecture, three hours lab. Prerequisite: BIO106.

BIO 325 Introduction to Paleontology (4) Sp (even-numbered years). A review of major principles and techniques in paleontology including but not limited to systematics, evolutionary history and relationships within the tree of life, comparative anatomy and community analysis. Three hours lecture, three hours lab. Prerequisites: BIO101 or BIO105 or ESC111 with a grade of C or above, or consent of the instructor.

BIO 331 Bioinformatics (2) Sp (odd-numbered years). Bioinformatics is both the acquisition and the analysis of molecular genetic information. This course will concentrate on the growing repertoire of software available for bioinformatics studies and will give students an opportunity to design, complete, and present independent bioinformatics projects that address biological questions. Prerequisite: A grade of C or above in BIO205.

BIO 340 Plant Physiology (4) F. Plant functions; emphasis on water relations, mineral nutrition, plant biochemistry, development, and responses to environmental factors in higher plants. Three hours lecture, three hours lab. Prerequisite: BIO106 or CHE111 both with a grade of C or above.

BIO 350 Plant Systematics (4) F (even-numbered years). Identification, characteristics, and importance of seed plants; studies classification, techniques, and literature of taxonomy. Requires a plant collection and field trips. Three hours lecture, two hours lab. Prerequisite: BIO225 with a grade of C or above.

BIO 351 Local Flora: Spring and Summer (2) Su (even-numbered years). This course concentrates on the identification, systematics, ecology, and natural history of native plants in forests, prairies, wetlands, and successional habitats in northwest Missouri. Field experiences, lectures and discussions are integrated throughout the course. (In order to take advantage of unique field opportunities, BIO351 begins in late April and finishes in late June.) Prerequisite: BIO225 with a grade of C or above.

BIO 353 Philosophy of Biology (3) F (odd-numbered years). An introduction to current issues in the philosophy of biology such as the nature of biological organization, classification, and living systems and some of the problems that have arisen in the attempt to understand these complex systems. Same as PHL353. Prerequisite: BIO101 or BIO105 or BIO106.

BIO 355 Cave Ecology (3) DD. The ecology of cave habitats. Includes information on biotic and abiotic factors affecting cave organisms, cave microhabitats, trophic interactions, and evolutionary adaptations. Field activities will emphasize miniprojects that relate to cave ecology. Two hours lecture and the equivalent of three hours lab. Prerequisites: BIO105 and BIO225 with a grade of C or above.

BIO 357 Ichthyology (4) DD. This class will consist of one hour of lecture followed by a two hour lab. Lectures will cover aspects of fish morphology and physiology; general taxonomy, phylogeny and evolution; behavior; and ecology. Labs will consist of identification of native fishes of Missouri and learning about their distributions, the habitats they are found in, their life history characteristics, and their taxonomic identification.

BIO 360 Development of Federal Wildlife Law (3) F (even-numbered years). Introduction to the principles of federal wildlife law as currently practiced in the United States. The course will survey the historical and constitutional origins of federal wildlife law and discuss the influence major statutes currently in effect exert on the biopolitics and daily practice of wildlife resource management and conservation. Three hours lecture, including discussions and/or special topics. Field trips may occasionally substitute for lecture/discussion periods at instructor's discretion, depending upon the topic. Prerequisite: A grade of C or above in BIO105.

BIO 375 Pathophysiology (4) F, Sp. Human diseases and the physiological disorders produced by disease. The origin, incidence and symptoms of disease. Prerequisite: A grade of C or above in BIO250 or BIO311.

BIO 380 Biology Teaching: Materials and Methods (3) Sp (even-numbered years). This course provides pre-service secondary biology teachers with opportunities to develop a framework that can be used to coordinate biological concepts and techniques obtained from science courses with pedagogical concepts and methods from education classes and teaching experiences. The development of a science teaching portfolio is required. Students enrolled in this course must also be available to work in one of the scheduled BIO101 labs. Prerequisite: 20 credit hours in science.

BIO 385 Herpetology (4) Sp (even-numbered years). Natural history of the amphibians and reptiles, including ecology, biology, evolution, and anatomy, with an emphasis on local species. Three hours lecture and one, three-hour lab each week. One weekend field trip is required. Prerequisites: A grade of C or above in BIO106 and BIO225.

BIO 390 Microbiology (4) F. Identification, characteristics, and importance of microorganisms; application to human needs, infection and immunity. Three hours lecture and three hours lab per week. Prerequisite: A grade of C or above in BIO205.

BIO 407 Plant Morphology (4) Sp (odd-numbered years). Structure, development, and evolutionary relationships of algae, fungi, and bryophytes and representative vascular plants. Three hours lecture, two hours lab. Prerequisite: A grade of C or above in BIO105.

BIO 409 Principles of Terrestrial Wildlife Management (3) Sp (even-numbered years). Students will survey the principles, theories, and practices of terrestrial wildlife management. Activities include discussions of local, national, and international issues as well as exploration of major techniques used in the management of terrestrial wildlife resources. Lectures, field experiences, discussions, and in-class activities are integrated throughout the course. Prerequisite: A grade of C or above in both BIO209 and BIO225.

BIO 410 Molecular Cell Biology (4) Sp. Advanced cell biology covering topics relevant to cellular structure and function. Selected topics may include: cell signaling, cell adhesion, membrane function, cell motility and cytoskeletal structure and function. The cellular basis for some human syndromes and disease will also be covered. Three hours lecture, three hours lab. Prerequisite: BIO205 with a grade of C or above.

BIO 411 Developmental Biology (4) Sp. Examines the morphological changes and the genetic and molecular pathways involved in animal embryonic development. Three hours lecture and three hours lab. Prerequisite: BIO205 with a grade of C or above.

BIO 412 Seminar in Biology (1) (DD). Individual reports and group discussion on problems and current research in biology. May be repeated for a maximum of 2 credits. Prerequisite: Departmental approval.

BIO 415 Invertebrate Biology (4) F (even-numbered years). Biology of the invertebrates, emphasizing their taxonomy, anatomy, life cycles, evolution, and ecology. Three hours lecture, three hours lab. Prerequisites: BIO106 and BIO225 both with a grade of C or above.

BIO 416 Vertebrate Biology (4) Sp (odd-numbered years). Comparative anatomy, biological principles, and taxonomy of the vertebrates. Three hours lecture, three hours lab. Prerequisites: BIO205 and BIO225 both with a grade of C or above.

BIO 417 Medical Parasitology (4) Sp. An introduction to the major protozoal, helminth, and arthropod parasites of humans. Three hours lecture, two hours lab. Prerequisite: BIO205 and BIO225 both with a grade of C or above.

BIO 418 Mammalogy (4) F (odd-numbered years). The morphology, systematics, evolution, taxonomy, distribution, comparative physiology, life history, behavior, and ecology of mammals. Research and collections dealing with mammals will also be a part of this course. Three hours lecture and three hours lab. Prerequisite: A grade of C or above in BIO225.

BIO 420 Biology Teaching Practicum (1-2) F, Sp, Su. A laboratory or classroom teaching assistant experience. This experience may not be substituted for other courses required in the student's major area. Course grades assigned on a pass/fail basis. May be repeated for credit. Prerequisites: Junior or senior standing, declared Biology major, and departmental approval.

BIO 421 Immunology (4) Sp (odd-numbered years). Investigation of the cellular and molecular basis of the immune response. Methods in immunology as applied to various fields. Three hours lecture, three hours lab. Prerequisites: BIO390 with a grade of C or above.

BIO 425 Biology Internship (1-2) F, Sp, Su. An extracurricular experience related to a unique approved career experience or a Preprofessional experience. Course grades assigned on a pass/fail basis. May be repeated for credit. Prerequisites: Junior or senior standing, declared Biology major, and departmental approval.

BIO 430 Molecular Basis of Disease (4) Sp (even-numbered years). Investigation of the basic biological causes of human disease at molecular, cellular, and physiological levels. Three hours lecture, three hours lab per week. Prerequisite: A grade of C or above in BIO205.

BIO 431 Molecular Biology (4) DD. In-depth study of the molecular and cellular basis of life. Investigation of molecular genetic techniques as applied to diverse biological disciplines. Prerequisites: A grade of C or above in both BIO106 and BIO205.

BIO 450 Independent Research/Project (1-5) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Junior or senior standing, declared Biology major, overall GPA of 2.5, BIO105, CHE111, CHE120, and MAT116.

BIO 455 Entomology (4) F (odd-numbered years). Introduction to the insects that will focus on their taxonomy, natural history, physiology, development, and ecology. Three hours lecture, three hours lab. Prerequisites: A grade of C or above in BIO105, BIO106, and BIO225.

BIO 458 Fisheries Management (3) DD. The course will stress sampling gears, strategies, and catch selectivity in the assessment of fish populations. In addition, the interrelationships among trophic components in aquatic systems and the proper collection and mathematical description of fishery data will be discussed. Basic principles of recruitment, growth, and mortality will be examined in conjunction with management implications. Primary emphasis will be placed on warm water sport fish populations inhabiting temperate lakes and reservoirs using case histories as examples. Each class will consist of 1 hour of lecture and 2 hours of covering the lecture topic in lab.

BIO 461 Renewable Resources Policy and Administration (3) Sp (odd-numbered years). This course explores wildlife resources policy and administration from several perspectives. It examines environmental and administrative decision making in developing and implementing policy designed to address contemporary resource management challenges, conflicts and problems as they impact wildlife resources at the state and national level. Prerequisite: A grade of C or above in BIO105.

EARTH SCIENCE COURSES

ESC 111 Physical Geology (4) F, Sp. Survey of geologic materials and processes. Three hours lecture, two hours lab.

ESC 120 Meteorology (4) Sp (odd-numbered years). Studies the nature and phenomena of the atmosphere and surveys climates and their classification. Three hours lecture, two hours lab. Prerequisites: ACT math score of 20 or higher or the equivalent, ACT English score of 19 or higher or the equivalent, and ACT reading score of 19 or higher or the equivalent.

PHYSICAL SCIENCE COURSES

PHS 230 Physical Science for Elementary Teachers (3) F, Sp. Basic concepts of the physics, chemistry, astronomy, meteorology, and geology emphasizing topics taught in grades K-6. Elementary Education majors may not take the course until officially admitted to teacher education.

Department of Chemistry

Dr. Michael Ducey, *Chairperson* ducey@missouriwestern.edu
<http://www.missouriwestern.edu/Chemistry/>

271-4371

The Department of Chemistry deals with a core of knowledge essential to much of the scientific experimentation that influences our daily lives. From atomic theories to basic chemical structures, the prospective chemist studies the material which forms a basis for important work in engineering, pharmacy, medicine, medical technology, dentistry, and research chemistry. The chemistry program is approved by the American Chemical Society (ACS); students completing the proper ACS curriculum will thus be certified by the society and department. The department also assists in the preparation of prospective science teachers. These students, as well as those who study chemistry as part of their basic education, work in modern facilities fully equipped for investigating contemporary chemistry topics.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

All students completing the Chemistry degree programs will be required to take the departmental exit exam consisting of the E.T.S. Major Field Test in Chemistry.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Major in Chemistry

	<i>Credits</i>
CHE 111 General Chemistry	5
CHE 120 General Chemistry II with Qualitative Analysis	5
CHE 310 Organic Chemistry I	3
CHE 311 Organic Chemistry Laboratory I	2
CHE 312 Organic Chemistry II	3
CHE 313 Organic Chemistry Laboratory II	2
CHE 321 Quantitative Analysis	4
CHE 326 Instrumental Analysis (4)	OR
CHE 426 Instrumental Methods (5)	4-5
CHE 370 Biochemistry I	4
CHE 380 Environmental Chemistry & Chemical Management	3
CHE 381 Physical Chemistry: Quantum Mechanics	3
CHE 382 Physical Chemistry Lab: Quantum Mechanics	1
CHE 383 Physical Chemistry: Thermodynamics and Kinetics	3
CHE 384 Physical Chemistry Lab: Thermodynamics and Kinetics	2
CHE 441 Advanced Inorganic Chemistry	3
CHE 442 Inorganic Synthesis	1
CHE 490 Research in Chemistry*	2
CHE 495 Seminar in Chemistry	2
MAT 165 Calculus with Analytic Geometry I: Differentiation (3)	AND
MAT 166 Calculus with Analytic Geometry I: Integration (3)	OR
MAT 167 Calculus with Analytic Geometry I (5)	5-6
MAT 177 Calculus with Analytic Geometry II	5
MAT 287 Calculus with Analytic Geometry III	5
PHY 210 University Physics I	5
PHY 211 University Physics II	5
Advanced Courses in Chemistry: Choose 1 course	3
CHE 445 Advanced Topics in Chemistry (3)	
CHE 470 Biochemistry II (3)	
TOTAL	80-82

*To satisfy requirements, CHE490 must consist of 2 credit hours on a single project that culminates in a single written report. The 2 credit hours do not have to be completed in a single semester.

Major in Natural Science/Chemistry

Students pursuing the Bachelor of Science degree majoring in Natural Science with a Chemistry concentration have four option areas available: Health Professions, Forensic Science, Education, and Chemical Business. The Natural Science curriculum consists of a core of courses taken by all majors followed by specified chemistry and cognate area courses to complete each option.

Core Requirements

	<i>Credits</i>
CHE 111 General Chemistry	5
CHE 120 General Chemistry II with Qualitative Analysis	5
CHE 310 Organic Chemistry I	3
CHE 311 Organic Chemistry Lab I	2
CHE 321 Quantitative Analysis	4
CHE 370 Biochemistry I	4
CHE 495 Seminar in Chemistry	2
PHY 110 & 111 College Physics I & II (8)	OR
PHY 210 & 211 University Physics I & II (10)	8 - 10
BIO 106 Principles of Cell Biology	4
MAT 165 Calculus with Analytic Geometry I: Differentiation (3) AND	
MAT 166 Calculus with Analytic Geometry I: Integration (3)	OR
MAT 167 Calculus with Analytic Geometry I (5)	<u>5-6</u>
TOTAL CORE	42-45

Natural Science/Chemistry: Forensic Science Option

	<i>Credits</i>
CHE 312 Organic Chemistry II	3
CHE 313 Organic Chemistry Laboratory II	2
CHE 326 Instrumental Analysis	4
CHE 340 Physical Chemistry for the Biological Sciences (4)	OR
*CHE 381/382 Physical Chemistry: Quantum Mechanics/Laboratory (4)	OR
*CHE 383/384 Physical Chemistry: Thermodynamics and Kinetics/Lab (5)	4-5
CHE 380 Environmental Chemistry & Chemical Management	3
BIO 205 Genetics	4
LAW 100 Introduction to Criminal Justice	3
LAW 190 Criminal Investigation	3
LAW 260 Criminal Law	3
LAW 320 Criminal Evidence	OR
LAW 410 Intermediate Criminal Law	3

**Elective in Criminalistics Methods:

Choose one of the following: (3-5)

LAW280 (5), LAW500 (3), LAW510 (3), LAW515 (3), LAW525 (3),
LAW530 (3), LAW540 (3)

TOTAL OPTION	<u>3-5</u>
TOTAL CORE & OPTION	<u>35-38</u>
	77-83

* The CHE381 or 383 physical chemistry options contains a minimum prerequisite of MAT177 and PHY210.

**Students desiring to take 500 level courses to satisfy the criminalistics elective must meet the following criteria:

1. Are within 24 hours (or less of meeting the requirements for the baccalaureate degree.
2. Have a cumulative undergraduate grade point average of not less than 3.0;
3. File an application for graduate admission and receive approval before registering for the graduate course.
4. Have the consent of the instructor(s) of the graduate course(s).

Natural Science/Chemistry: Education Option			<i>Credits</i>
CHE	326	Instrumental Analysis	4
CHE	340	Physical Chemistry for the Biological Sciences (4)	OR
*CHE	381	Physical Chemistry: Quantum Mechanics (3)	OR
*CHE	383	Physical Chemistry: Thermodynamics and Kinetics (3)	3-4
CHE	380	Environmental Chemistry & Chemical Management	3
CHE	308	History and Philosophy of the Natural Sciences	3
CHE	465	Chemistry Teaching: Methods & Techniques	3
ESC	111	Physical Geology	OR
ESC	120	Meteorology	4
EDU	202	Introduction to Teaching	3
EDU	203	Participation in Teaching I	1
EDU	225	Educational Psychology	2
EDU	303	Experience in Teaching II	2
EDU	304	Applied Methods and Management	3
EDU	311	Secondary Reading Techniques	2
EDU	315	Psychology & Educ. of the Exceptional Student	2
EDU	404	Seminar in Sec. Education & Human Relations	3
EDU	409	Student Teaching III (Secondary)	9
TOTAL OPTION			47-48
TOTAL CORE & OPTION			89-93

* The CHE381 or 383 physical chemistry options contains a minimum prerequisite of MAT177 and PHY210.

Teacher Education students must also complete the General Studies requirements as listed under Secondary Education. Overall GPA of 2.75 and major GPA of 3.0 required for admittance into Teacher Education, graduation, and Missouri Certification. The above requirements complete all Missouri Secondary Education Chemistry certification requirements. Unified Science certification requires the completion of both ESC111 and ESC120, and also completion of 4 more credit hours of biology (BIO105 or 205 are recommended).

Natural Science/Chemistry: Health Professions Option			<i>Credits</i>
CHE	xxx	Courses numbered 300 or higher	7
BIO	205	Genetics	4
BIO	311	Animal Physiology	4
BIO	xxx	Courses numbered 300 or higher	8
TOTAL OPTION			23
TOTAL CORE & OPTION			65-68

Natural Science/Chemistry: Chemical Business Option			<i>Credits</i>
CHE	326	Instrumental Analysis	4
CHE	340	Physical Chemistry for the Biological Sciences (4)	OR
*CHE	381/382	Physical Chemistry: Quantum Mechanics/Laboratory (4)	OR
*CHE	383/384	Physical Chemistry: Thermodynamics and Kinetics/Lab (5)	4-5
CHE	380	Environmental Chemistry & Chemical Management	3
ACC	201	Introductory Financial Accounting	3
ACC	202	Introductory Managerial Accounting	3
ECO	260	Principles of Macroeconomics	3
ECO	261	Principles of Microeconomics	3
GBA	210	Business Statistics I	3
GBA	211	Business Law I	3
GBA	220	Business Communications	3
MGT	350	Organizational Behavior	3
MKT	301	Principles of Marketing	3
TOTAL OPTION			38-39
TOTAL CORE & OPTION			80-84

*The CHE381/382 or 383/384 physical chemistry options contains a minimum prerequisite of MAT177 and PHY210.

Major in Biochemistry and Molecular Biology

The Bachelor of Science Major in Biochemistry and Molecular Biology is an interdisciplinary program offered jointly by the departments of Biology and Chemistry. It is designed to prepare students for graduate level education or careers in biochemistry, cell and molecular biology, and related biotechnology fields.

Students pursuing the Bachelor of Science degree majoring in Biochemistry and Molecular Biology are required to complete the following curriculum.

The following core courses are required:

Core Requirements			<i>Credits</i>
BIO	105	Principles of Organismal Biology	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	225	Evolutionary Ecology	4
BIO	331	Bioinformatics	2
BIO	410	Molecular Cell Biology	OR
BIO	431	Molecular Biology	4
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
CHE	340	Physical Chemistry for the Biological Sciences (4)	OR
* CHE	383/384	Physical Chemistry Thermodynamics and Kinetics/Lab (5)	4-5
CHE	370	Biochemistry I	4
CHE	470	Biochemistry II	3
CHE	495	Seminar in Chemistry	2
PHY	110/111	College Physics I/II (8)	OR
PHY	210/211	University Physics I/II* (10)	8-10
MAT	165	Calculus with Analytic Geometry I: Differentiation (3)	AND
MAT	166	Calculus with Analytic Geometry I: Integration (3)	OR
MAT	167	Calculus with Analytic Geometry I (5)	5-6
		SUBTOTAL	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 67-71

*Prerequisite MAT177 and PHY210

Electives: Complete a minimum of twelve (12) credits from Biology or Chemistry courses numbered 300 or higher. CHE383 may not be used as an elective course if CHE340 is taken in the core requirements. CHE426 may not be taken as an elective if CHE326 is taken.

SUBTOTAL	12
TOTAL	<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 79-83

ACS Certification in Biochemistry

Students are eligible to receive certification in the area of Biochemistry from the American Chemical Society (ACS) if the following course work is completed.

The following courses must be taken in the core requirements:

CHE	383/384	Physical Chemistry: Thermodynamics and Kinetics/Lab	5
PHY	210/211	University Physics I/II (substitutes for PHY110/111)	10

Where choices are available for major electives the following courses must be taken:

CHE	312/313	Organic Chemistry II/Laboratory (5)	
*	CHE 381/382	Physical Chemistry: Quantum Mechanics/Lab (4)	
	CHE 326	Instrumental Analysis (4)	OR
**	CHE 426	Instrumental Methods (5)	
	CHE 441	Advanced Inorganic Chemistry (3)	
	MAT 177	Calculus with Analytic Geometry II (5)	

*Prerequisite: MAT177 and PHY210.

**Prerequisite CHE381/382

Major in Medical Technology

Missouri Western State University offers a program leading to the Bachelor of Science degree with a major in Medical Technology, also referred to as Clinical Laboratory Science. The first three years of the program are spent completing specified college course work (94 credits). The fourth year is spent in an affiliated hospital which provides a structured educational program in a clinical laboratory. The clinical training programs are accredited by the Committee on Allied Health Education and Accreditation of the American Medical Association through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). When a student successfully completes the hospital clinical program, Missouri Western State University will award 30-43 credits depending on the clinical affiliate, for the fourth year's work.

Acceptance into a clinical laboratory program is highly competitive, and enrollment in the Medical Technology program does not guarantee acceptance of the student into a clinical program. Students must make separate application to one of the three affiliated hospitals for the clinical program, which consists of ten to eleven months of full-time day clinical instruction. Affiliated programs are located at North Kansas City Hospital, St. Luke's Hospital of Kansas City, and University of Nebraska Medical Center in Omaha. Clinical course requirements and credit hours vary for each affiliated site. Students should consult the Medical Technology advisor in the Chemistry department for specific clinical course requirements and to ascertain the time schedule for application to each clinical program and the approximate dates when acceptance notices will be given.

Upon completion of the clinical program, students are eligible to take a national credentialing examination. Passing the examination is not a requirement for the Bachelor of Science degree with a major in Medical Technology; however, the student must pass the examination to become certified to practice as a medical technologist.

Requirements			<i>Credits</i>
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
CHE	326	Instrumental Analysis	4
CHE	370	Biochemistry I	4
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	311	Animal Physiology	4
BIO	390	Microbiology	4
BIO	421	Immunology	4
MAT	116	College Algebra	3
TOTAL NATURAL SCIENCES AND MATHEMATICS			52

Courses in medical technology must total 30-43 credits*.

MTE	412	Clinical Lab Science Theory, Applications and Correlation (5)	
MTE	413	Applications of Chemistry for Clinical Lab Science (1)	
MTE	420	Clinical Laboratory Management I (2)	
MTE	421	Clinical Laboratory Management II (3)	
MTE	430	Clinical Microbiology (5-8)	
MTE	432	Clinical Chemistry (6-10)	
MTE	434	Clinical Hematology (4-7)	
MTE	436	Clinical Immunohematology (3-7)	
MTE	438	Clinical Immunology (1-6)	
MTE	440	Clinical Urinalysis (1-3)	
MTE	442	Topics in Medical Technology (1-4)	
		TOTAL MEDICAL TECHNOLOGY	30-43
		TOTAL	80-93

* The courses and credit hours required will vary based on clinical site.

MINOR IN CHEMISTRY

Requirements

			<i>Credits</i>
CHE	111	General Chemistry	5
CHE	120	General Chemistry II with Qualitative Analysis	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
CHE	321	Quantitative Analysis	4
CHE	326	Instrumental Analysis	4
		TOTAL	23

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

CHEMISTRY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

Laboratory fees are required for all lab courses. See the current course listings for fees. The student must furnish required laboratory safety goggles in laboratory courses.

CHE 101 Introductory Chemistry (4) F, Sp. Chemistry for liberal arts and sciences students; meets the minimum physical science requirement. Three hours lecture, two hours lab.

CHE 104 Fundamentals of Chemistry (5) F, Sp. A survey of chemistry with special emphasis on solution and biochemistry; for students majoring in scientific and technological fields such as nursing. Four hours lecture, two hours lab.

CHE 111 General Chemistry (5) F, Sp. Basic concepts of chemistry: atomic theory and periodic system, chemical calculations, oxidation-reduction, states of matter, theory of chemical bonding, atomic structures. Four hours lecture, three hours lab. Prerequisite: Math ACT of 20 or higher or the equivalent.

CHE 120 General Chemistry II with Qualitative Analysis (5) F, Sp. Continuation of CHE111. Thermochemistry, equilibrium, electrochemistry, radiochemistry, coordination chemistry, and a survey of the main group elements and their compounds. Laboratory includes the topics above along with the separation and identification of some of the more common anions and cations by qualitative analysis. Four hours lecture, three hours laboratory. Prerequisites: A grade of C or better in CHE111 and MAT116 or equivalent.

CHE 167 Chemical Applications of Calculus (1) DD. Applications of differentiation, integration, and logarithmic and exponential functions to chemical processes. The initial focus will be in chemical dynamics and more specifically on chemical kinetics. Applications using maxima, minima and inflections will be used for equilibrium systems. Prerequisite: Credit or concurrent enrollment in MAT167.

CHE 283 Introduction to Research Methods in Chemistry (1-3) F, Sp, Su. Introduction to basic research in chemistry. Individual and team projects involving methods for solving chemistry-related research problems. May be repeated for credit. Prerequisite: High school chemistry, freshman or sophomore standing and departmental approval.

CHE 295 Colloquium in Chemistry (1) DD. An introduction to careers in chemistry and chemistry related fields. Breadth of career paths and educational requirements for those paths will be emphasized. Prerequisite: Freshman or sophomore standing, or departmental approval.

CHE 308 History and Philosophy of the Natural Sciences (3) Sp. A study of the history of the natural sciences with an emphasis on the philosophical analysis of these events. Prerequisites: Completion of General Studies Mathematics and Natural Sciences requirements.

CHE 310 Organic Chemistry I (3) F, Sp. Methods of synthesis of organic compounds, reaction paths, chemical bonding, and geometry of organic molecules; aliphatic and aromatic compounds. Topics include substitution, elimination, and electrophilic addition reactions and mechanisms along with an overview of functional groups. Three hours lecture. Prerequisite: A grade of C or better in CHE120.

CHE 311 Organic Chemistry Laboratory I (2) F, Sp. Laboratory course to accompany CHE310 Organic Chemistry I lecture. Six hours lab. Prerequisite: Credit or concurrent enrollment in CHE310.

CHE 312 Organic Chemistry II (3) F, Sp. Reactions, mechanisms and methods of synthesis of organic compounds. Topics include oxidation & reduction, conjugated & aromatic systems, aromatic substitution, amines, carboxylic acids and derivatives, carbonyl compounds, polymerization and carbohydrates. Three hours lecture. Prerequisites: A grade of C or better in CHE310 and CHE311.

CHE 313 Organic Chemistry Laboratory II (2) F, Sp. Laboratory course to accompany CHE312. Six hours lab. Prerequisite: Credit or concurrent enrollment in CHE312.

CHE 321 Quantitative Analysis (4) F. Analytical chemistry; gravimetric, volumetric, colorimetric, and electroanalytical determinations. Two hours lecture, six hours lab. Prerequisite: A grade of C or better in CHE120. LAS Computer Literacy.

CHE 326 Instrumental Analysis (4) Sp. Theories and methods in modern instrumental analysis. Three hours lecture, three hours lab. Prerequisites: A grade of C or better in CHE310, CHE311, and CHE321.

CHE 340 Physical Chemistry for the Biological Sciences (4) Sp. Introduction for students of the biological sciences to the area of physical chemistry, a non-calculus based approach to the use of thermodynamics, equilibria, electrochemistry, kinetics, quantum mechanics, and spectroscopy as applied to the field of biochemistry. Three hours lecture, three hours lab. Prerequisites: A grade of C or better in CHE310, CHE311, CHE321, PHY110, and either MAT166 or MAT167.

CHE 370 Biochemistry I (4) F, Sp (odd-numbered years). Chemistry of biological compounds, metabolism, and biochemical genetics. Three hours lecture, three hours lab. Prerequisites: A grade of C or better in CHE310 and CHE311.

CHE 380 Environmental Chemistry & Chemical Management (3) Sp. Study of environmental chemistry as it affects the operation of chemical facilities in a global society and the application of chemical knowledge to important current problems, including safe chemical storage and waste management. This course will provide background for understanding the demands of the chemical industrial workplace or for advanced study of these topics. Prerequisites: A grade of C or better in CHE310, CHE311, and CHE321.

CHE 381 Physical Chemistry: Quantum Mechanics (3) F. Introduction to quantum chemistry, spectroscopy, bonding and statistical thermodynamics. Three hours lecture. Prerequisites: MAT177, PHY210, and a grade of C or better in CHE310 and CHE311. CHE321 recommended. LAS Computer Literacy.

CHE 382 Physical Chemistry Laboratory: Quantum Mechanics (1) F. Laboratory course to accompany CHE381 Physical Chemistry: Quantum Mechanics lecture. Three hours lab. Prerequisite: Credit or concurrent enrollment in CHE381. LAS Computer Literacy.

CHE 383 Physical Chemistry: Thermodynamics and Kinetics (3) Sp. Thermodynamics, chemical equilibrium, properties of solutions, electrochemistry, kinetic theory of gases, and chemical kinetics. Prerequisites: MAT177, PHY210, and a grade of C or better in both CHE310 and CHE311. CHE321 recommended.

CHE 384 Physical Chemistry Laboratory: Thermodynamics (2) Sp. Laboratory course to accompany CHE383 Physical Chemistry: Thermodynamics and Kinetics lecture. Six hours lab. Prerequisite: Credit or concurrent enrollment in CHE383.

CHE 426 Instrumental Methods (5) DD. Modern methods of chemical instrumentation; includes both practical application; and fundamental theories of instrumental analyses. Three hours lecture, six hours lab. Prerequisites: CHE321, CHE381, and CHE382.

CHE 441 Advanced Inorganic Chemistry (3) Sp (even-numbered years). Modern concepts of inorganic chemistry, encompassing chemical bonding theories, acid-base theories, mechanisms of inorganic chemistry, symmetry in molecules, inorganic thermodynamics, and atomic and molecular structure. Three hours lecture. Prerequisites: CHE310 and CHE311.

CHE 442 Inorganic Synthesis (1) Sp (even-numbered years). Selected synthetic techniques involving inert atmosphere, non-aqueous solvents, vacuum manipulation, and electrolytic oxidation, as currently applied to the purification and characterization of a wide variety of inorganic materials. Three hours lab. Prerequisites: CHE310, CHE311, and credit or concurrent enrollment in CHE441.

CHE 445 Advanced Topics in Chemistry (3) Sp (odd-numbered years). Advanced material in Organic, Inorganic, Physical, Analytical, or Biochemistry, taught on a rotational basis. Specific topics may include, but are not limited to: Applied Spectroscopy, Chemical Kinetics, Macromolecular Chemistry (Polymers), Physical Inorganic Chemistry, Applied Chromatography, Advanced Organic Chemistry, or Advanced Biochemistry. This course may be repeated for credit for multiple topics. Prerequisites: CHE312, CHE381, and CHE382.

CHE 450 Independent Research/Project (1-5) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. May be repeated for credit. Prerequisites: Declared Chemistry major, a minimum of 2.5 GPA in major field, and departmental approval.

CHE 465 Chemistry Teaching: Methods and Techniques (3) Sp (odd-numbered years). Modern techniques in teaching high school chemistry: use of multimedia equipment, project approach, lesson planning, accreditation standards at state and national levels, and difficulties in chemistry instruction at the secondary level. Prerequisite: CHE310 or departmental approval.

CHE 470 Biochemistry II (3) Sp (even-numbered years). Advanced study of the biochemical properties of living systems, the diversity of biochemical functions, and mechanisms for biosynthesis. Three hours lecture. Prerequisites: A grade of C or better in CHE370.

CHE 475 Internship in Chemistry (1-3) F, Sp, Su. An extracurricular experience related to a unique approved chemistry career experience or a preprofessional experience. Course grades assigned on a Pass/Fail basis. May be repeated for credit. Prerequisites: Junior or Senior standing, a declared major in the Department of Chemistry, and departmental approval.

CHE 490 Research in Chemistry (1-3) F, Sp, Su. Original research on problems in various fields of chemistry. Hours arranged. May be repeated for credit. Prerequisites: CHE381 and CHE382, or consent of department chairperson.

CHE 495 Seminar in Chemistry (2) F. Individual reports and group discussion on modern topics in chemistry. Prerequisites: Senior standing and COM104. LAS Writing.

MEDICAL TECHNOLOGY COURSES

The following courses are taken by fourth-year students enrolled in the clinical laboratory program as a part of the requirements for the degree in Medical Technology. These courses are not offered on the Missouri Western State University campus; they are provided in a clinical internship program in a hospital affiliated with Missouri Western State University and approved by the Society of Clinical Pathologists.

MTE 412 Clinical Lab Science Theory, Applications and Correlation (5). This course includes the application, evaluation and correlation of laboratory procedures used in the diagnosis and treatment of common disease states. Opportunities for building critical thinking, problem solving, leadership, oral communication, professionalism, and teamwork skills are provided in small group clinical case discussions and presentations.

MTE 413 Applications of Chemistry for Clinical Lab Science (1). This course incorporates advanced theory, practical application, and evaluation of clinical chemistry laboratory procedures. Correlation of clinical laboratory data with the diagnosis and treatment of endocrine disorders, toxicology disturbances and therapeutic drug monitoring is emphasized.

MTE 420 Clinical Laboratory Management I (2). This course includes the theory, practical application and evaluation of laboratory management principles and associated models in healthcare and laboratory information systems, research, educational methodology, quality control, ethics, laboratory operations and scope of practice. Opportunities for building critical thinking, problem-solving, teamwork, communication, professionalism, research, management and leadership skills are provided.

MTE 421 Clinical Laboratory Management II (3). This course is a continuation of Clinical Laboratory Management I, and includes the theory, practical application and evaluation of laboratory management principles and associated models in compliance and regulatory issues, human resource management, written and oral communication, method evaluation, educational methodology, professionalism, test utilization, quality and financial resources. Opportunities for building critical thinking, problem-solving, communication, teamwork, professionalism, management and leadership skills are provided.

MTE 430 Clinical Microbiology (4-8). The theory and laboratory study of pathogenic bacteria, viruses, rickettsiae, fungi, and parasites; includes specimen handling, methods of isolation, cultivation, diagnostic procedures, asepsis, environmental monitoring, medical significance, and quality control.

MTE 432 Clinical Chemistry (6-10). Identification and quantitation of specific chemical substances in blood and body fluids by various analytical techniques; clinical correlation with diagnosis and treatment of disease; principles of instrumentation; toxicology; and quality control.

MTE 434 Clinical Hematology (3-7). Theory of blood cell formation; morphology of cellular constituents; disease states; hemostasis; and coagulation testing; includes techniques and instrumentation used to determine major hematological and clotting parameters and quality control procedures.

MTE 436 Clinical Immunohematology (3-7). Studies the common blood group systems; principles and procedure for antigen-antibody detection; cross-matching; blood collection and preservation; processing; the evaluation of transfusion reaction; and quality control procedures.

MTE 438 Clinical Immunology (1-6). Characteristics of antigen/antibody function and interaction; principles and procedures of humoral and cellular immune responses; performance of serological procedures; clinical correlation of abnormalities; and quality control.

MTE 440 Clinical Urinalysis (1-3). Studies renal physiology and function in health and disease states; includes chemical and microscopic examination of urine, other excreta, and body fluids in relation to disease processes, along with quality control procedures.

MTE 442 Topics in Medical Technology (1-4). Subject matter may include the following: hospital orientation, laboratory management, radioisotope techniques, quality control procedures, laboratory safety, special projects, special techniques, and seminars on various subjects deemed necessary by hospital personnel.

Department of Communication and Journalism

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<http://www.missouriwestern.edu/CJ/>

271-4443

The Department of Communication and Journalism prepares students for careers in speech communication, public relations and convergent journalism. The department offers comprehensive programs that focus on the expression, comprehension and exchange of ideas through oral or written discourse or the various forms of digital and print media. Through an understanding of the communication process and participation in many applied learning opportunities, students become aware of and understand societies' professional, social and creative life. This broad experience in communication and journalistic theory and practice provides a strong background for careers in fields such as law, politics, journalism, public relations, communication and teaching.

The Department of Communication and Journalism offers the following degrees: (1) Bachelor of Arts with a major in Speech Communication; (2) Bachelor of Science in Education (a joint degree combining Speech Communication and Theatre); (3) Bachelor of Science with a major in Speech Communication (students in this program will select a concentration in Public Relations, Organizational Communication or Research); (4) Bachelor of Science in Convergent Media. Students may minor in Speech and Theatre, Speech Communication, and Journalism.

Applied Learning

Missouri Western's Department of Communication and Journalism strongly believes in applied learning. The BA and BS degrees in Speech Communication require at least two credit hours of applied learning. The BS in Convergent Media requires at least nine credit hours of applied learning. These learning experiences occur outside of the classroom and allow the students to apply their knowledge in a workplace environment. Students participate in internships as well as applied learning labs such as *The Griffon Yearbook*, *The Griffon News* and the Multimedia production lab.

Admission Requirements

Students desiring a BS or BA degree in Speech Communication should complete a pre-major form so they can be assigned a Communication advisor. To be eligible for admission to the program, applicants must have received a grade of C or higher in COM104 Oral Communication, the English Composition requirement ENG104, and in one of the following courses: COM210 Presentational Communication, COM215 Introduction to Public Relations or COM222 Communication Theory. Applicants must have earned an overall institutional grade point average of 2.0 or above. Students cannot be admitted to the major until they have met the admission requirements. However, a student may enroll in any communication or journalism course for which the prerequisites have been met.

Graduation Requirements

In order to graduate with a BA or BS degree in Speech Communication or BS in Convergent Media, candidates must maintain an overall and major grade point average of 2.0 or higher. Students with a BA or BS in Speech Communication may receive no more than one D in courses within the major program requirements.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

All students completing a BA, BS in Speech Communication are required to successfully complete COM481, Senior Portfolio. All students completing a BS in Convergent Media must complete JOU401, Senior Portfolio and JOU402, Senior Project in Convergent Media. COM481 or JOU401 must be completed during the semester of graduation, except for summer graduates who must complete the course in the spring semester prior to graduation. JOU402 must be completed during one of the last two semesters prior to graduation.

BACHELOR OF ARTS DEGREE REQUIREMENTS

The BA requires at least 12 credits in a single foreign language. Academic majors may require additional hours in a foreign language.

Major In Speech Communication

Courses must total 39-40 credits. The following specific courses are required:

	<i>Credits</i>
COM 104 Oral Communication	3
COM 210 Presentational Communication	3
COM 215 Introduction to Public Relations	3
COM 222 Communication Theory	3
COM 304 Media and Society	3
COM 305 Interpersonal Communication	OR
COM 324 Small Group Communication	3
COM 314 Persuasion	OR
COM 334 Argumentation and Debate	3
COM 320 Research Methods in Communication	3
COM 338 Survey of Rhetorical Theory	3
COM 342 Intercultural Communication	OR
COM 345 Nonverbal Communication	3
COM 410 Organizational Communication	3
Applied Learning (COM361, COM460 or dept. approved course)	2-3
COM 481 Senior Portfolio	1
Plus 3 additional credit hours of COM numbered 200 or above	3
TOTAL	39-40

BACHELOR OF SCIENCE IN EDUCATION DEGREE REQUIREMENTS

Major In Speech and Theatre

Courses in communication and theatre must total 50 credits. The following specific courses are required:

	<i>Credits</i>
COM 104 Oral Communication	3
COM 210 Presentational Communication	3
CIN 270 Introduction to Video Production	3
COM 304 Media and Society	3
COM 305 Interpersonal Communication	3
COM 314 Persuasion	3
COM 320 Research Methods in Communication	3
COM 324 Small Group Communication	3
COM 334 Argumentation and Debate	3
COM 338 Survey of Rhetorical Theory	OR
COM 345 Nonverbal Communication	3
COM 465 Methods of Teaching Speech and Drama	3
THR 222 Costume & Makeup Techniques	3
THR 228 Acting I	3

THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 348	Directing for the Stage I	3
Plus 3 hours in THR numbered 200 or above		<u>3</u>
TOTAL COM/THR		51

In addition, courses in Secondary Education must total 27 credits. The following specific courses are required: EDU202, EDU203, EDU225, EDU303, EDU304, EDU311, EDU315, EDU404, and EDU409.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Major in Speech Communication

Students majoring in Speech Communication may select one of three concentration areas: Research, Organizational Communication, or Public Relations.

Students in each concentration area must complete the following set of core courses totaling 30-31 credit hours:

		<i>Credits</i>
COM 104	Oral Communication	3
COM 210	Presentational Communication	3
COM 215	Introduction to Public Relations	3
COM 222	Communication Theory	3
COM 304	Media and Society	3
COM 305	Interpersonal Communication	OR
COM 324	Small Group Communication	3
COM 314	Persuasion	OR
COM 334	Argumentation and Debate	3
COM 320	Research Methods in Communication	3
COM 338	Survey of Rhetorical Theory	3
COM 342	Intercultural Communication	OR
COM 345	Nonverbal Communication	3
Applied Learning (COM361, COM460 or dept. approved courses)		2-3
COM 481	Senior Portfolio	<u>1</u>
TOTAL CORE		33-34

Major in Speech Communication, Research Concentration

In addition to the 33-34 credit core named above, the following courses are required:

		<i>Credits</i>
CSC 184	Computing Concepts I	3
CSC 201	Microcomputer Applications	OR
MGT 201	Microcomputer Applications	3
MAT 132	Elementary Statistics	3
MAT 137	Calculus in Business and the Non-Physical Sciences	4
*PSY 200	Intermediate Psychology	3
COM 410	Organizational Communication	3
Plus select one from the following:		3
CSC 200	Computer Systems and Architectures	
CSC 254	Computing Concepts II	
*PSY 300	Introductory Psychological Statistics	
TOTAL CONCENTRATION		<u>22</u>
TOTAL CORE & CONCENTRATION		<u>55-56</u>

* The upper level psychology course requirement contains a prerequisite of PSY101, which satisfies the first Social Science element in Category Three of the General Studies Curriculum.

**Major in Speech Communication,
Organizational Communication Concentration**

In addition to the 33-34 credit core named above, the following courses are required:

	<i>Credits</i>
ACC 201 Introductory Financial Accounting	3
COM 410 Organizational Communication	3
MGT 350 Organizational Behavior	3
* PSY 310 Industrial/Organizational Psychology	3
Plus 3 additional credits from the following:	3
EPR 422 Public Relations Writing	
GBA 211 Business Law	
GBA 220 Business Communication	
PHL 230 Ethics	
* PSY 220 Health Psychology/Stress Management	
* PSY 222 Psychology of Gender	
** SOC 230 Social Problems	
** SOC 400 Racial and Ethnic Relations	
Plus 6 additional credit hours of COM numbered 200 or above	<u>6</u>
TOTAL CONCENTRATION	<u>21</u>
TOTAL CORE & CONCENTRATION	<u>54-55</u>

**Major in Speech Communication,
Public Relations Concentration**

In addition to the 33-34 credit core named above, the following courses are required:

JOU 202 Reporting for the Media	3
JOU 308 Copy Editing	3
EPR 326 Desktop Publishing	3
EPR 422 Public Relations Writing	3
MKT 301 Principles of Marketing	3
COM 410 Organizational Communication	3
COM 415 Public Relations Campaigns	3
Plus 3 additional credits of COM numbered 200 or above	
TOTAL CONCENTRATION	<u>24</u>
TOTAL CORE & CONCENTRATION	<u>57-58</u>

* The upper level psychology course requirement contains a prerequisite of PSY101, which satisfies the first Social Science element in Category Three of the General Studies Curriculum.

** The upper level sociology course requirement contains a prerequisite of SOC110, which satisfies the first or third Social Science element in Category Three of the General Studies Curriculum.

**BACHELOR OF SCIENCE IN CONVERGENT MEDIA
DEGREE REQUIREMENTS**

The Bachelor of Science in Convergent Media meets the growing demand for media professionals trained to integrate traditional print and broadcast media into interactive, online environments. Students will learn the fundamentals of each medium - print, video, and online - in order to bring together these various media for powerful, interactive publications.

Required Courses	<i>Credits</i>
ENG 232 Language Awareness	3
ETC 200 Introduction to Technical Communication	3
FRE/SPA/GER 100 Elementary French I/Spanish I/German I	3
FRE/SPA/GER 101 Elementary French II/Spanish II/German II	3

JOU 104	Fundamentals of Digital Photography	3
JOU 200	Prin. and Theory of Mass Media and Journalism	3
JOU 202	Reporting for the Media	3
JOU 204	Video Journalism	3
* JOU 210	Newspaper Production (2)	OR
* JOU 212	Yearbook Production (2)	4
JOU 214	Multimedia Production Lab	2
JOU 224	Introduction to Writing for the Internet	3
JOU 302	Advanced Media Reporting	3
JOU 303	Media Law and Ethics	3
JOU 304	Advanced Video Journalism and Audio	3
JOU 308	Copy Editing	3
JOU 314	Special Topics	3
JOU 316	Internship in Journalism	3
JOU 327	Publication Design	
JOU 328	Multimedia Authoring	3
JOU 401	Senior Portfolio	1
JOU 402	Senior Project in Convergent Media	3
	TOTAL	<hr/> 61

* Students may take JOU210 AND JOU212 OR JOU210 twice OR JOU212 twice for a total of 4 credit hours.

BA ENGLISH, JOURNALISM CONCENTRATION

DEGREE REQUIREMENTS

Refer to the English & Modern Language catalog section for specific requirements.

BA ENGLISH, PUBLIC RELATIONS CONCENTRATION

DEGREE REQUIREMENTS

Refer to the English & Modern Language catalog section for specific requirements.

MINORS

Minor in Speech Communication

Courses in communication must total 21 credits. The following specific courses are required:

		<i>Credits</i>
COM 210	Presentational Communication	3
COM 215	Introduction to Public Relations	3
COM 305	Interpersonal Communication	OR
COM 324	Small Group Communication	3
COM 314	Persuasion	OR
COM 334	Argumentation and Debate	OR
COM 338	Survey of Rhetorical Theory	3
COM 410	Organizational Communication	OR
	Plus 9 additional credits in COM numbered 200 or above.	<hr/> 9
	TOTAL	21

Minor in Speech and Theatre

Courses in communication and theatre must total 24 credits. The following specific courses are required:

		<i>Credits</i>
COM 210	Presentational Communication	OR
COM 334	Argumentation and Debate	3
COM 305	Interpersonal Communication	OR
COM 324	Small Group Communication	3
COM 465	Methods of Teaching Speech and Drama	3

THR 113	Introduction to Theatre	3
THR 228	Acting I	3
THR 275	Script Analysis	3
THR 280	Stagecraft	3
THR 348	Directing for the Stage I	3
	TOTAL	24

Additional course work is necessary for teaching certification.

Journalism Minor

The requirements for the minor in Journalism include the satisfactory completion of the following courses for a total of at least 23 credits:

		<i>Credits</i>
JOU 200	Prin. & Theory of Mass Media and Journalism	OR
COM 304	Media and Society	3
JOU 202	Reporting for Media	3
JOU 210	Newspaper Production	OR
JOU 212	Yearbook Production	2
JOU 302	Advanced Media Reporting	3
JOU 303	Media Law and Ethics	3
JOU 308	Copy Editing	3
JOU 327	Publication Design	OR
EPR 326	Desktop Publishing	3
Plus an additional 3-4 credits from the following:		3-4
JOU 104	Fundamentals of Digital Photography (3)	
JOU 314	Selected Topics in Journalism (3)	
JOU 328	Multimedia Authoring (3)	
JOU 310	Newspaper Management (2)	
JOU 312	Yearbook Management (2)	
JOU 316	Internship in Journalism (2-6)	
	TOTAL	23-24

No more than four total credits of JOU210/212 and/or JOU310/312 will be counted toward the Journalism minor. Journalism students are encouraged to develop proficiency in word processing, desktop publishing and photography early in their academic careers.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

TEACHER CERTIFICATION IN JOURNALISM

State certification to teach journalism in grades 9-12 in Missouri requires 30 credits beyond the professional sequence in secondary education, which must include a teaching methods course in journalism.

JOU 200	Prin. and Theory of Mass Media and Journalism	3
JOU 202	Reporting for the Media	3
JOU 303	Media Law and Ethics	3
JOU 308	Copy Editing	3
JOU 314	Selected Topics in Journalism: Scholastic Publication	3
Additional Journalism electives from the following:		15
JOU 104	Fundamentals of Digital Photography (3)	
JOU 212	Yearbook Production (2)	
JOU 224	Introduction to Writing for the Internet (3)	
JOU 302	Advanced Reporting (3)	
JOU 310	Newspaper Management (2)	
JOU 312	Yearbook Management (2)	

JOU	314	Selected Topics in Journalism: Teaching Journalism: Methods & Materials (3)
JOU	316	Internship in Journalism (3)
JOU	327	Publication Design (3)
EPR	422	Public Relations Writing (3)
ENG	232	Language Awareness (3)
ENG	301	Advanced Composition (3)
ENG	364	Introduction to Composition Theory (3)
ENG	365	Teaching Writing in the Mid & Secondary Schools (3)
		TOTAL

30

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

COMMUNICATION COURSES

Waiving of any course prerequisites requires prior departmental authorization.

COM 104 Oral Communication (3) F, Sp, Su. Principles of speech as applied in meaningful participation in society.

COM 210 Presentational Communication (3) F. Theory and practice of constructing public presentations including: media use, organization, delivery, means of appeal, and analysis of audience and setting. Prerequisite: COM104. LAS Ethics.

COM 215 Introduction to Public Relations (3) Sp. This introductory course examines the practice of public relations, how public relations operates within organizations, its impact on publics and its functions in society including theory and models, social media usage, current trends, and ethical professional standards. Prerequisite: COM104. LAS Writing Intensive; LAS Ethics.

COM 218 Oral Interpretation (3) DD. Oral reading and analysis of prose, poetry, and drama. Same as THR218. Prerequisite: COM104.

COM 222 Communication Theory (3) F. Introduction to the role theory plays in the study of human communication. Introduces different ways of thinking about communication through academic, cultural and historical perspectives. Prerequisite: COM104.

COM 283 Introduction to Research Methods in Video (1-2) DD. Introduction to basic research methods in video. Individual and team projects involving methods for video-related research problems. Prerequisite: Departmental approval.

COM 304 Media and Society (3) Sp. This course examines both classic and contemporary studies of mass communication effects. Emphasis is placed on cultural, social, political, and psychological effects of the media. Topics such as media education and literacy, news and campaigns, media portrayals, and theories of audience behavior will be examined. Prerequisite: COM104.

COM 305 Interpersonal Communication (3) F. Analyzes communication interaction in relatively unstructured, person-to-person settings with application of interpersonal communication concepts to resolving problems emerging from human interactions. Prerequisite: COM104. LAS Writing.

COM 314 Persuasion (3) Sp. Persuasion as a process of influencing attitude and behavior; emphasizes the theories of modern persuasion and their use in social, political and advertising campaigns. Prerequisite: COM104.

COM 320 Research Methods in Communication (3) F. The course covers a variety of qualitative and quantitative communication research methods. Students will be involved in critical analysis of previous research, and conceptualization and implementation of future research. Prerequisite: COM104 and MAT110 or any higher level mathematics course of 3 or more credit hours (excluding MAT127 or MAT132). LAS Computer Literacy.

COM 324 Small Group Communication (3) Sp. Group roles, leadership styles, group structure, thought processes, and consensus methods; application of concepts to communication interaction in task and social group settings. A Service Learning component of the course requires out of class community service volunteer hours for completion of the assignment. Prerequisite: COM104.

COM 334 Argumentation and Debate (3) DD. Philosophical and theoretical foundations of logic and argumentation to the persuasive process; experience in preparation and presentation through debate and discussion formats. Prerequisite: COM104.

COM 338 Survey of Rhetorical Theory (3) F. Survey of the formation and transformation of rhetorical theory from the Classical Age. Prerequisite: COM104. LAS International/Intercultural.

COM 340 Communication and Aging (3) DD. Examines the intrapersonal, interpersonal and public levels of human communication in relationship to the aging process. Prerequisite: COM104 or departmental approval.

COM 342 Intercultural Communication (3) F. Studies communication between and among people from different cultures. Topics include cultural patterns, value orientations, verbal and nonverbal codes, cultural identity, culture shock, acculturation, perception, and stereotyping. Prerequisite: COM104. LAS Writing; LAS International/Intercultural.

COM 345 Nonverbal Communication (3) Sp. Nonverbal aspects of communication; factors which affect and modulate verbal messages; interpretation of nonverbal information; kinesics (body motion), proxemics (social/personal space), and paralanguage (vocal cues accompanying words). Prerequisite: COM104. LAS Writing; LAS International/Intercultural.

COM 350 Selected Topics in Speech Communication (3) F, Sp. Specialized course work in the field of speech communication and theatre/video. Course may be repeated for up to six credit hours maximum with different topics. Prerequisite: COM104 or departmental approval.

COM 359 Workplace Analysis (2) F, Sp. The application of communication concepts and theories to the analysis of profit or nonprofit organizations. Requires prior approval of the internship director and the organization. This course is one of the options that satisfies the applied learning requirement for the BA or BS Speech Communication. May not be repeated. Prerequisites: Senior standing, declared departmental major, minimum overall GPA of 2.0, and approval of the internship director.

COM 361 Communication Internship I (1) F, Sp, Su. The student will develop objectives related to the discipline and carry out those responsibilities through an internship as approved by the director. Applies theory and skills to actual work situations. Professionally supervised work experiences related to the student's area of interest. Graded pass/fail. (At least 30 hours of work for one credit hour.) Application must be made at least one semester prior to registration. Prerequisites: Junior standing, declared departmental major, minimum overall GPA of 2.5, and approval of the internship director.

COM 410 Organizational Communication (3) Sp. Theories and problems of human communication within a variety of organizational settings; the relationship of communication to motivation, organizational structure, nonverbal behavior, surroundings, leadership style, and information accuracy. Prerequisite: Three credit hours numbered 300 or above from COM, ENG, or JOU.

COM 412 Health Communication (3) F. Introduces students to the practice and theoretical foundations of communication in healthcare and the promotion of public and individual health within the healthcare and health risk contexts by examining provider-patient interaction, public health campaigns, media messages, health promotion and the cultural influences on health. Prerequisite: COM104 and 3 credit hours numbered 300 or above from COM, NUR, PSY or PED.

COM 415 Public Relations Campaigns (3) F. Development of the processes and strategies of public relations campaigns including research, organization, programming and evaluation. A service learning component requires student pairing with a local non-profit organization in completion of an actual public relations campaign. Prerequisite: COM215. LAS Ethics.

COM 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Completion of major-minor declaration in communication studies, minimum 2.5 GPA in major field of study, and departmental approval.

COM 460 Communication Internship II (1-3) F, Sp, Su. The student will develop objectives related to the discipline and carry out those responsibilities through an internship as approved by the director. Applies theory and skills to actual work situations. Professionally supervised work experiences related to the student's area of interest. (Thirty hours of work for each credit hour.) Graded pass/fail. Application must be made at least one semester prior to course registration. May be repeated for a total of 6 credit hours. Prerequisites: Senior standing, declared departmental major, minimum overall GPA of 2.5, and approval of the internship director.

COM 465 Methods of Teaching Speech and Drama (3) DD. Philosophies, issues, and problems in contemporary speech education; content, structure, ethical issues, presentation and evaluation of curriculum and teaching in speech and theatre. Prerequisites: EDU202 and EDU203. LAS Ethics.

COM 481 Senior Portfolio (1) F, Sp. This is a workshop course for graduating seniors which includes resume and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, reflective self-analysis, and a collection of writings and projects from major courses. COM481 must be completed during the semester of graduation, except for summer graduates who must complete the course in the spring semester prior to graduation. Course is graded on a pass/fail basis.

JOURNALISM COURSES

Waiving of any course prerequisites requires prior departmental authorization.

JOU 104 Fundamentals of Digital Photography (3) F. Basic techniques of composing, shooting and editing photographs. Students will learn basic manipulation of images using appropriate software, including preparation of images for both print and online uses. Students must have either 1) a traditional, film-based 35 mm camera with adjustable aperture and shutter or 2) a digital camera with a minimum of 4.0 MP and various shooting modes. Students also will provide their own film and processing to CD for film-based cameras or storage media with transfer to CD for digital cameras.

JOU 200 Principles and Theory of Mass Media and Journalism (3) F. Exploration of the history and development of the mass media in the United States and mass communication theory. Also includes discussion of issues currently affecting the media, including newspapers, film, radio, and television as well as advertising and public relations.

JOU 202 Reporting for the Media (3) F. Introduction to writing for print, broadcast and web media. Students will gain hands-on training in writing leads and short- and medium length articles and learn how these articles are packaged with other media elements in newspapers and convergent media websites. Prerequisites: ENG104 and ENG108.

JOU 204 Video Journalism (3) F (even-numbered years). Introduction to the principles of creating video journalism packages for the web and broadcast. Students learn the basics of interviewing and shooting and editing video.

JOU 210 Newspaper Production (2) F, Sp. Supervised experience in reporting news, features, commentary, and sports; selling and designing advertising; and shooting, processing, and printing photographs. Students work on the campus newspaper, The Griffon News. May be repeated for a total of 8 credit hours.

JOU 212 Yearbook/Magazine Production (2) F, Sp. Supervised experience in field reporting and techniques used in producing the campus yearbook. May be repeated for a total of 8 credit hours.

JOU 214 Multimedia Practicum (2) DD. Students will use a team-based, hands-on approach to produce multimedia publications. These may include a combination of text, graphics, photographs, video, audio, and World Wide Web links covering the people, events, and activities of the campus and community. May be repeated for a total of 8 credit hours.

JOU 224 Introduction to Writing for the Internet (3) F. Students will learn the elements of effective writing for screen-based textual content in internet and intranet environments, using HTML and appropriate software to create both personal and professional Web sites to gain valuable hands-on experience. Introduces overview of content provider issues, including usability, intellectual property, security, access, database content language, writing and design. Same as ETC224. Prerequisite: ENG104.

JOU 283 Introduction to Research Methods in Journalism (1-2) DD. Introduction to basic research in journalism. Individual and team projects involving methods for solving journalism-related research problems. Prerequisite: Departmental approval.

JOU 302 Advanced Media Reporting (3) Sp. Advanced instruction and applied experience in reporting and writing news stories, editorials and features for converged media. Prerequisite: JOU202. LAS Writing.

JOU 303 Media Law and Ethics (3) Sp (odd-numbered years). Defines the legal boundaries within which professional communicators must operate and raises important ethical issues that relate to media careers. Prerequisite: JOU200. LAS Ethics; LAS International/Intercultural.

JOU 304 Advanced Video Journalism (3) Sp (odd-numbered years). Students produce a wide range of video packages throughout the semester, covering several genres. Building on the skills gained in the introductory course, students will learn advanced editing and story-telling techniques to produce top-notch, published packages. Prerequisites: JOU202 and JOU204.

JOU 308 Copy Editing (3) F. Instruction and experience in editing and rewriting copy and headline writing in accordance with accepted journalistic practice. Included will be instruction in grammar and usage. Prerequisites: ENG232, JOU202, and ENG108 or ENG112.

JOU 310 Newspaper Management (2) F, Sp. Supervised experience in managerial positions on the campus newspaper; application of the principles of professional journalism. May be repeated for a total of 8 credit hours.

JOU 312 Yearbook Management (2) F, Sp. Supervised experience in managerial positions on the campus yearbook; applications of principles of professional journalism. May be repeated for a total of 8 credit hours.

JOU 314 Selected Topics in Journalism (3) Sp (even-numbered years). Advanced course in journalism; topics vary from semester to semester. May be repeated for credit.

JOU 316 Internship in Journalism (2-6) F, Sp, Su. Practical application of journalism skills in a professional setting; correlates academic preparation with supervision in a work experience (thirty clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and departmental approval.

JOU 327 Publication Design (3) F. A computer workshop course involving graphic design and production of effective and attractive newspaper and magazine layouts and advertisements. The course will provide instruction in design software and computer peripherals such as electronic scanners and digital photography. LAS Computer Literacy.

JOU 328 Multimedia Authoring (3) Sp (odd-numbered years). An advanced class which outlines the history, principles and theories of multimedia. This course examines how elements of text, sound, video, animations and graphics work together to produce electronic products for the Web, CD/DVD and other distribution formats. Students learn appropriate multimedia software to create individual or small group multimedia projects. Same as ETC328.

JOU 401 Senior Portfolio (1) F, Sp. Workshop class for graduating seniors which includes resume and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, and writings from majors courses. Required for the BA English/Journalism and Public Relations majors. Graded pass/fail. Prerequisite: Must be completed during the semester of graduation, except for summer graduates, who must complete the course in the spring semester prior to graduation.

JOU 402 Senior Project in Convergent Media (3) Sp. A senior-level workshop course that emphasizes hands-on, real-world experience in producing multimedia projects suitable for convergent media settings. Prerequisites: JOU224, JOU302, and JOU327.

Department of Computer Science, Mathematics and Physics

Dr. Michael Ottinger, Chairperson ottinger@missouriwestern.edu
<http://www.missouriwestern.edu/CSMP/>

271-4376

The Department of Computer Science, Mathematics and Physics contributes to the liberal arts education of all students and, in addition, provides specialized programs in computer science, computer information systems, mathematics, and physics for those students who desire a more thorough preparation for jobs in business, government, industry, and educational institutions.

ADMISSIONS REQUIREMENTS

Computer Science or Applied Computer Technology

To gain admission into either of these degree programs, the student must be enrolled in CSC184 or have completed CSC184 with a grade of C or better, or have an ACT composite score of 25 or higher, or an ACT Science Reasoning score of 28 or higher. In addition, the student must have an overall GPA of at least 2.0.

Mathematics

To gain admission to any degree program in Mathematics, the student must have completed MAT166 or MAT167 with a grade of C or better, or have an ACT Mathematics score of 28 or higher.

GRADUATION REQUIREMENTS

Graduation with a degree in any program offered by the Department of Computer Science, Mathematics, and Physics requires that the student receive a grade of C or better in each course in the major or minor. In addition, all other institutional requirements for graduation must be met.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Major in Computer Science (Core Requirements)

CSC	184	Computing Concepts I	3
CSC	245	High-Level Programming Language I	3
CSC	254	Computing Concepts II	3
CSC	285	Data Structures	3
CSC	294	Network and Telecommunications	3
ACT	301	Applied Database Systems	3
CSC	305	Database Architecture and Concepts	3
CSC	345	High-Level Programming Language II	OR
CSC	346	Data Exchange Technologies	3
CSC	406	Object Oriented Applications and Program Development	3
CSC	410	Computer and Network Security	3
MAT	167	Calculus with Analytic Geometry I (5)	OR
MAT	137	Calculus in Business and the Nonphysical Sciences (4)	4-5
GBA	210	Business Statistics (3)	OR
MAT	331	Applied Statistics	3
		CORE SUBTOTAL	37-38

Students may select between the following emphases in Computer Science majors:

1. General Emphasis in Computer Science
2. Emphasis in Computer Information Systems

General Emphasis

CSC 208	Discrete Structures	3
CSC 289	Computational Methods for Computer Science	3
CSC 318	Simulation and Modeling	3
CSC 328	Computer Graphics	3
CSC 384	Microcomputer Assembly Language	3
CSC 386	Operating Systems Concepts	3
CSC 484	Compiler Theory	3
CSC 3XX	(6) Hours of CSC or MAT courses 300 or above	6
GENERAL EMPHASIS TOTAL		64 OR 65

In addition, Computer Science majors must take PHY110 or PHY210 to meet the Natural Sciences portion of their General Studies program and they must take MAT167 to satisfy the math option in the core.

Emphasis in Computer Information Systems

ACT 102	Introduction to Web Page Development	3
CSC 200	Computer Systems and Architectures	3
CSC 201	Microcomputer Applications	3
CSC 400	Systems Analysis and Design	3
ACT 476	Applications of Computer Information Science Capstone	3
ACC 201	Introductory Financial Accounting	3
ACC 202	Introductory Managerial Accounting	3
GBA 220	Business Communications	3
CSC/ACT	(3) Hours of CSC/ACT courses 300 or above	3
COMPUTER INFORMATION SYSTEMS EMPHASIS TOTAL		64 OR 65

In addition, Computer Information Systems majors must take ECO260 to meet the Social Sciences portion of their General Studies program.

Major in Applied Computer Technology

ACT 102	Introduction to Web Page Development	3
ACT 102	Introduction to Web Page Development	3
ACT 202	Introduction to Web Graphics	3
ACT 211	Internet Scripting	3
ACT 301	Applied Database Systems	3
ACT 302	Decision Support Systems	3
ACT 311	Web Development Tools	3
ACT 405	Business Intelligence	3
ACT 476	Applications of Computer Information Sciences Capstone	3
CSC 184	Computing Concepts I	3
CSC 200	Computer Systems and Architecture	3
CSC 201	Microcomputer Applications	3
CSC 294	Networking and Telecommunications	3
CSC 305	Database Architecture and Concepts	3
CSC 400	Systems Analysis and Design	3
GBA 220	Business Communication	3
Statistics (3 hours) select one of the following:		3
GBA 210	Business Statistics I	
MAT 132	Statistics	
MAT 331	Applied Statistics	

*Electives (18 hours)		18
APPLIED COMPUTER TECHNOLOGY TOTAL		66

- * The requirements for the elective area may be met by one of the following methods:
1. Earned minor awarded in conjunction with the CIS-ACT major degree.
 2. Earned second major in conjunction with the CIS-ACT degree.
 3. A previous bachelor's degree from MWSU or other accredited 4-year college or university.

Major in Mathematics

The mathematics major advisor can provide information on the selection of elective courses which will best prepare the student for graduate study or a career in actuarial science, applied mathematics or teaching secondary school mathematics, as well as other careers requiring a strong mathematics background.

Core Requirements

		<i>Credits</i>
MAT 165	Calculus with Analytic Geometry I: Differentiation (3)	AND
MAT 166	Calculus with Analytic Geometry I: Integration (3)	OR
MAT 167	Calculus with Analytic Geometry I	5
MAT 177	Calculus with Analytic Geometry II	5
MAT 206	Mathematical Transitions	3
MAT 287	Calculus with Analytic Geometry III	5
MAT 306	Linear Algebra	3
	Total Core Requirements	3
		21-22

Additional Courses

Twenty-four credits, with at least twelve credits from Section B

Section A

MAT 201	Combinatorics	3
MAT 217	Mathematics and Technology	3
MAT 263	History of Mathematics	3
MAT 315	Topics in Geometry	3
MAT 317	Differential Equations	3
MAT 331	Applied Statistics	3
MAT 332	Probability Theory	3

Section B

MAT 401	Advanced Modeling	3
MAT 407	Advanced Calculus	3
MAT 416	Abstract Algebra	3
MAT 432	Mathematical Statistics	3
MAT 450	Independent Research/Project	1-3
MAT 462	Number Theory	3
MAT 465	Mathematics Teaching: Methods and Materials	3
MAT 470	Seminar in Mathematics	3
	Total Additional Courses	24
	TOTAL	45-46

Teacher Education In Mathematics

Students intending to teach mathematics at the secondary school level are required to complete the Bachelor of Science degree program in Mathematics along with the general studies requirements and the professional sequence as specified in this catalog under Secondary Education. Overall GPA of 2.75 and major GPA of 3.0 required for admittance into Teacher Education, graduation, and Missouri Certification.

Certification for grades 9-12 requires the completion of the following courses:

Core Requirements

		<i>Credits</i>
MAT 165	Calculus with Analytic Geometry I: Differentiation (3)	AND
MAT 166	Calculus with Analytic Geometry I: Integration (3)	OR
MAT 167	Calculus with Analytic Geometry I	5
MAT 177	Calculus with Analytic Geometry II	5
MAT 206	Mathematical Transitions	3

MAT 287	Calculus with Analytic Geometry III	5
MAT 306	Matrix Algebra	3
Total Core Requirements		21-22

Additional Courses

Twenty-four credits, with at least twelve credits from Section B

Section A

MAT 201	Combinatorics	3
MAT 217*	Mathematics and Technology	3
MAT 263*	History of Mathematics	3
MAT 315*	Topics in Geometry	3
MAT 317	Differential Equations	3
MAT 331*	Applied Statistics	3
MAT 332	Probability Theory	3

Section B

MAT 401	Advanced Modeling	3
MAT 407	Advanced Calculus	3
MAT 416*	Abstract Algebra	3
MAT 432	Mathematical Statistics	3
MAT 450	Independent Research/Project	1-3
MAT 462*	Number Theory	3
MAT 465*	Mathematics Teaching: Methods and Materials	3
MAT 470	Seminar in Mathematics	3
Total Additional Courses		24

TOTAL **45-46**

* Required for Teacher Certification

MINORS

* Majors in Computer Science are not eligible for a minor in Applied Computer Technology

* Majors in Applied Computer Technology are not eligible for a minor in Computer Science

Computer Information Systems

Requirements		<i>Credits</i>
ACT 102	Introduction to Web Page Development	3
CSC 184	Computing Concepts I	3
CSC 200	Computer Systems and Architecture	3
CSC/MGT 201	Microcomputer Applications	3
ACT 301	Applied Database Systems	3
CSC 400	Systems Analysis and Design	3
Plus one approved course from ACT or CSC		3
TOTAL		21

Computer Science

Requirements		<i>Credits</i>
CSC 184	Computing Concepts I	3
CSC 254	Computing Concepts II	3
CSC 285	Data Structures	3
CSC 384	Microcomputer Assembly Language	3
Six credits selected from the following		6
CSC 318	Simulation and Modeling	3
CSC 328	Computer Graphics	3
CSC 394	Networking and Telecommunications	3
CSC 410	Computer and Network Security	3
TOTAL		18

Applied Computer Technology

Requirements

			<i>Credits</i>
ACT	102	Introduction to Web Page Development	3
ACT	202	Introduction to Web Graphics	3
ACT	301	Applied Database Systems	3
ACT	302	Decision Support Systems	3
Six credits	selected from the following		6
CSC	184	Computing Concepts I	3
ACT	211	Internet Scripting	3
ACT	311	Web Development Tools	3
CSC	305	Database Architecture and Concepts	3
CSC	405	Business Intelligence	3
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 18

Mathematics

Requirements

			<i>Credits</i>
MAT	165	Calculus with Analytic Geometry I: Differentiation (3)	3
MAT	166	Calculus with Analytic Geometry I: Integration (3)	3
MAT	167	Calculus with Analytic Geometry I	5
MAT	177	Calculus with Analytic Geometry II	5
MAT	206	Mathematical Transitions	3
MAT	287	Calculus with Analytic Geometry III	5
MAT	306	Linear Algebra	3
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 21-22

Physics

Requirements

			<i>Credits</i>
Complete all of section A or B			13
A.	PHY 110	College Physics I (4)	
	PHY 111	College Physics II (4)	
	MAT 147	Applied Calculus (5)	OR
	MAT 167	Calculus with Analytic Geometry I (5)	
B.	PHY 210	University Physics I (5)	
	PHY 211	University Physics II (5)	
	PHY 312	University Physics III (3)	
Plus 7 additional	credits from the following		7
PHY	313	Modern Physics Laboratory (1)	
PHY	320	History of Physics (3)	
PHY	410	Selected Topics in Physics (3)	
PHY	450	Independent Research / Project (1-3)	
CHE	383	Physical Chemistry: Thermodynamics (3)	
MAT	317	Differential Equations (3)	
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 20

Students seeking a minor in Physics for Secondary Teacher Certification must also complete PHY465, the General Studies requirements for Secondary Education, and the Professional Sequence for Secondary Education.

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

APPLIED COMPUTER TECHNOLOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ACT 102 Introduction to Web Page Development (3) F, Sp. This course is an introduction to the design, creation, and maintenance of web pages and websites. Students learn how to critically evaluate website quality, create and maintain quality web pages, investigate web design standards, and create and manipulate images. The course progresses through web design tools HTML, XHTML, Cascading Style Sheets, and concludes with PHP. Each student will develop a fictitious organization website.

ACT 202 Introduction to Web Graphics (3) F. This course provides a comprehensive introduction to the Adobe Design Suite exploring the design applications Illustrator, Fireworks, Flash, and Photoshop CS. With the use of exercises and projects, the student will develop an extensive understanding of the tools and methods associated with the software. Real-world issues will be addressed to build problem-solving and critical thinking skills necessary for advanced course work. Prerequisite: A grade of C or better in ACT102.

ACT 211 Internet Scripting (3) F. This course covers basic internet scripting technologies such as PHP, JavaScript, and ASP. Prerequisite: grades of C or better in ACT102 and CSC184.

ACT 301 Applied Database Systems (3) F. Emphasis is placed upon the core concepts of relational database application development. Students will gain proficiency in Microsoft Access; the concepts learned will allow the students to apply database application development concepts to a real world type application. Prerequisite: A grade of C or better in CSC184 or CSC201.

ACT 302 Decision Support Systems (3) Sp. This course uses statistics to help solve business problems, examines case examples of statistical analysis in areas such as marketing, finance and management, and teaches descriptive and inferential techniques using a statistical computer software application - Excel. Topics to be covered include Creating Charts, Working with Charts, Using List Features and Templates, Working with Advanced Functions, Analyzing Data, Using PivotTables, and Working with Data Analysis Tools. Prerequisite: A grade of C or better in CSC201.

ACT 311 Web Development Tools (3) Sp. This course uses Adobe Design Suite tools to lead the student through the process of web-application development. Students will gain knowledge and hands-on practice in building and maintaining web applications using Dreamweaver, Flash and Photoshop. Students will use Java, PHP and MySQL to interact with external databases. Prerequisites: A grade of C or better in ACT211.

ACT 405 Business Intelligence (3) F. Students learn how to make better business decisions, use fewer resources, and improve the company's bottom line by developing and using a data warehouse. This course provides an overview of business intelligence and data warehousing and gives students a look at all the major facets of developing and using a data warehouse to make effective business decisions. Prerequisite: A grade of C or better in CSC305.

ACT 476 Applications of Computer Information Sciences Capstone (3) Sp. The capstone course will encompass and consolidate all of the concepts covered in the ACT curriculum. In this course, students will manage an Information Systems project, design an appropriate database and incorporate both LAN and Web-based distributed information solutions to support a business process, effectively document the system and incorporate elements of the general education into a successfully implemented information systems solution. Prerequisite: A grade of C or better in CSC400.

COMPUTER SCIENCE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

CSC 184 Computing Concepts I (3) F, Sp. Introduction to problem solving utilizing the Java programming language. Topics include algorithm and program development, syntax of java in input/output, assignment operations, program control structures, character data manipulation, functions, and single dimension arrays. Prerequisite: A grade of C or better in either ACT102 or EGT102, or an ACT math score of 20 or higher or the equivalent. LAS Computer Literacy.

CSC 200 Computer Systems and Architectures (3) F, Sp. This course is an introduction to microcomputer systems including Windows™ operating system and microcomputer architecture. IT infrastructures including database, networking, and systems development as well as basic hardware/software concepts will be emphasized. Security and ethical issues are considered throughout the course. This course will not be accepted as a Computer Science elective for CSC degree programs.

CSC 201 Microcomputer Applications (3) F, Sp. Applications of productivity software such as Microsoft Office® Word, Excel, Access, and PowerPoint for careers, school, and home. Impact of technology on society by computer information systems, networks, e-commerce, and the Internet is included. Same as MGT201. Previous computer experience recommended.

CSC 208 Discrete Structures I (3) F. This course is a study of mathematical reasoning including the nature and methods of proof, relations and functions, combinatorics and graph theory, Boolean algebra, and applications of these topics. Attention will be given to the direct applications to computer science. Prerequisites: Credit with a grade of C or better or concurrent enrollment in both MAT167 and CSC184.

CSC 245 High-Level Programming Language I (3) F. This course explores the structure of a high-level programming language other than java. This course typically includes coverage of topics such as data types, flow control structures, record or class structures, input/output commands, and basic user interface design. Majors enrolling in this course must also complete CSC345 during the following spring semester. Prerequisite: A grade of C or better in CSC184.

CSC 254 Computing Concepts II (3) F, Sp. This course is a continuation of CSC184. Topics include multidimensional arrays and array processing, elementary sorting and searching techniques, classes, dynamic memory allocation, linked lists, data abstraction, and GUI interface creating. Prerequisites: A grade of C or better in CSC184.

CSC 274 Introduction to Unix/Linux (3) Sp (odd-numbered years). An introductory course on UNIX/Linux and its applications. Topics covered include: basic commands and system structures; system tools; output redirection; command line text editing, e-mail and system calls; file system basics; and, basic shell scripting. Basic security issues will also be discussed. The course material is intended to prepare students for versatile use of any UNIX/Linux system and as a foundation for numerous UNIX/Linux certification programs. Prerequisites: A grade of C or better in CSC184.

CSC 283 Introduction to Research Methods in Computer Science (1-2) DD. Introduction to basic research methods in Computer Science. Individual and team projects involving methods for solving computer science-related research problems. Prerequisite: Departmental approval.

CSC 285 Data Structures (3) Sp. Topics include algorithm analysis and the implementation of stacks, queues, linked lists, trees, and other data structures. Principles of data abstraction are emphasized throughout the course. Prerequisites: A grade of C or better in both CSC254 and MAT112, MAT116, or higher.

CSC 289 Computational Methods for Computer Science (3) Sp (even-numbered years). This course provides the underlying mathematical foundations and applied algorithms that are used across the basic fields in Computer Science. The course will focus on the computational algorithms in the fields of semantic search, data encryption and computer security, computer graphics, gaming and simulation. Further the course will consider the impact / computational limitations of current hardware on the application of these algorithms. Prerequisites: Credit with a grade of C or better in MAT167, CSC254, and CSC208.

CSC 294 Networking and Telecommunications (3) F. An examination of current computer communication technologies and their protocol structures as applied to computer networks and telecommunication systems. Topics include the physical layers, architectural elements, and information layers of a communication network; protocols; switching; routing; LANs; and WANs. Prerequisite: A grade of C or better in CSC184.

CSC 305 Database Architecture and Concepts (3) Sp. An introduction to Database Concepts and Architecture, with an emphasis on the Relational Database Model. Prerequisite: A grade of C or better in ACT301.

CSC 318 Simulation and Modeling (3) F. An introduction to computerized simulations. Focus is on the architecture and development of time-step and event-sequenced models used extensively by industry and government. Other topics include process generators for random events, the development of computerized games for management training, and current simulation research. Prerequisites: CSC285 and either MAT137 or MAT167.

CSC 328 Computer Graphics (3) Sp. A course in the techniques for picture transformation, curve and surface approximation; study and implementation of graphical languages and data structure; organization of graphical systems; use of the microcomputer as tools for displaying graphical data. Prerequisites: CSC285 and either MAT137 or MAT167.

CSC 345 High-Level Programming Language II (3) Sp (odd-numbered years). This course explores the advanced features of a high-level programming language other than Java. Topics typically include database access, network programming, advances GUI interface design and management of large-scale program development. Students will produce an application demonstrating mastery of advanced topics of the selected language. This is a continuation of CSC245. Students must take CSC245 and CSC345 in the same language. Prerequisite: A grade of C or better in CSC245.

CSC 346 Data Exchange Technologies (3) Sp (even-numbered years). This course explores the XML and Web Services Design with data exchange methodologies and implementation. The technologies covered will include topics such as XML, XSL, Xpath, XSL-FO, DTD, XML Schema, XML Query, XML Namespace, and SOAP. This course will look at how Java or other high-level languages are combined with data exchange technologies to provide powerful web applications. Prerequisite: A grade of C or better in CSC254 and CSC305.

CSC 384 Computer Architecture and Assembly Language Programming (3) F (even-numbered years). This course is an investigation of the logical basis of computers at the machine language level. Machine representation of numbers and characters, instruction formats, machine operations, addressing techniques, and assembly level programming techniques will be covered. Prerequisite: A grade of C or better in CSC254.

CSC 386 Operating Systems Concepts (3) Sp (even-numbered years). This course is an introduction to operating system principles. Topics include processor management, real and virtual storage management, device management and scheduling, multiprocessing, concurrent programming, and other topics related to operating systems. The course also includes a survey of major operating systems. Prerequisite: A grade of C or better in both CSC285 and CSC384.

CSC 400 Systems Analysis and Design (3) F. Study of structured systems development. Emphasis on strategies and techniques of structured analysis and object oriented design for producing logical methodologies for dealing with the development of information systems. Prerequisites: Credit or concurrent enrollment in CSC305. LAS Writing.

CSC 406 Object Oriented Applications and Program Development (3) F. This course emphasizes the application of Object Oriented Programming (OOP) concepts in the java programming language to large-scale programming problems. The course includes application of techniques such as the Unified Modeling Language (UML). Prerequisites: A grade of C or better in CSC254, and credit with grade of C or better or concurrent enrollment in CSC285 and CSC305. LAS Writing.

CSC 410 Computer and Network Security (3) F (even-numbered years). This course covers various facets of network security and the tools that are available to secure and monitor networks. Topics include commercial and open source security tools, public-key cryptography, firewalls, authentication, intrusion detection, control of malicious code, OS hardening fundamentals, and security assessment. Prerequisites: Completion of at least six credit hours of CSC courses numbered 300 or above, or completion of CIS minor core.

CSC 445 Mobile Device Application Development (3) DD. This course focuses on developing applications for modern Smartphone operating systems. Most of the course is dedicated to some specific mobile device OS at the discretion of the instructor. Rapid application development techniques are covered, as well as setup of the development environment, real-world testing, and deployment. Prerequisites: A grade of C or better in CSC254.

CSC 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared Computer Information Systems or Computer Science major, a minimum of 2.5 GPA in major field, and departmental approval.

CSC 451 Internship in Computer Science (1-3) F, Sp, Su. An academic program which offers Computer Science majors an opportunity to integrate theory with practice. Students work full-time or part-time for a company in a position related to the Computer Science major. Anticipated learning objectives are established in a contract agreed to by the student, the company supervisor, and the departmental faculty sponsor. May be repeated for credit, but at most 3 hours may count towards the total number of hours required for the major. Prerequisites: Declared Computer Science or Computer Information Systems major or declared CIS minor, a minimum of 2.5 GPA, and permission of the faculty sponsor.

CSC 484 Compiler Theory (3) Sp (odd-numbered years). An introduction to the basic structures of compilers and their design. Course topics include computer language structure, translation/recognition techniques of lexical analysis, parsing and syntax-directed translation. The course will also consider the impact of run-time environments on the design of computer languages and the constraints of code optimization on code generation. A small compiler will be developed. Prerequisite: A grade of C or better in CSC384.

CSC 487 Digital Animation and Production (3) F (even-numbered years). This class will concentrate on the methods used to build digital animated characters. Subjects will include character design and development, animation of characters, lighting, camera shots, sound and production editing. Prerequisites: Junior standing and declared Computer Information Systems, Computer Science, or Communications Studies and Theatre major.

MATHEMATICS COURSES

Waiving of any course prerequisites requires prior departmental authorization.

Students enrolling in developmental mathematics for the first time should enroll in MAT081. Developmental math courses do not count toward graduation credits.

MAT 081 Foundations for University Mathematics I (3) F, Sp, Su. A study of the fundamental arithmetic and algebraic concepts prerequisite to university level mathematics. The specific topics studied are determined by assessment of the individual student's mathematical background.

MAT 082 Foundations for University Mathematics II (3) F, Sp, Su. A continuing study of the fundamental arithmetic and algebraic concepts prerequisite to university level mathematics initiated in MAT081. The specific topics studied are determined by assessment of the individual student's mathematical background. Prerequisite: A grade of C or better in MAT081 or the equivalent.

MAT 083 Foundations for University Mathematics III (3) F, Sp, Su. A continuing study of the fundamental arithmetic and algebraic concepts prerequisite to university level mathematics initiated in MAT082. The specific topics studied are determined by assessment of the individual student's mathematical background. Prerequisite: A grade of C or better in MAT082 or the equivalent.

MAT 110 Contemporary Problem Solving (3) F, Sp, Su. Mathematics for solving selected real-world problems using elementary graph theory, data analysis, techniques of decision making, and the mathematics of finance. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 112 Finite Mathematics (3) F, Sp. Linear and quadratic equations, graphs, and functions including exponential and logarithmic functions; mathematics of finance, annuities, sinking funds and mortgages; linear programming; counting methods, probability, expectation; descriptive statistics. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 116 College Algebra (3) F, Sp, Su. Linear, quadratic, and miscellaneous equations and inequalities; relations and functions including polynomial, exponential, and logarithmic functions; graphing; systems of equations; and matrices. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 119 Trigonometry (2) F, Sp. Trigonometric functions, trigonometric identities, trigonometric equations, solution of triangles, inverse trigonometric functions. Not open to the student with credit in MAT165 or MAT167. Prerequisite: ACT math score of 20 or higher or the equivalent.

MAT 127 Applied Mathematics for Engineering Technology (3) Sp. An applied course in algebra, trigonometry, analytic geometry, and statistics; applications primarily from the technological fields; also includes an introduction to basic concepts in calculus. Satisfies Associate Degree requirements in Engineering Technology only. Does not satisfy general studies mathematics requirement. Prerequisites: A grade of C or better in both MAT116 and MAT119.

MAT 132 Elementary Statistics (3) F, Sp, Su. A basic course for students in natural sciences, behavioral sciences, and social sciences; tabulation of data, graphic representation, measures of central tendency and dispersion, probability, types of distributions, estimations, sampling, hypothesis testing, elementary aspects of correlation. Prerequisite: A grade of C or better in MAT112 or MAT116.

MAT 137 Calculus in Business and the Non-Physical Sciences (4) Sp. Differential and integral calculus applications in Business, life sciences and social science. Not open to the student with credit in MAT147, MAT166, or MAT167. Prerequisite: ACT math score of 25 or higher or a grade of C or better in MAT112, MAT116, or equivalent.

MAT 147 Applied Calculus (5) F. An applied course in techniques of differentiation and integration; applications primarily from the technological fields; analytic geometry, functions, differential and integral calculus. Prerequisite: ACT math score of 25 or higher or a grade of C or better in MAT116.

MAT 165 Calculus with Analytic Geometry I: Differentiation (3) F, Sp. Includes the study of limits and continuity of real functions, the derivative of algebraic and trigonometric functions, and applications of the derivative. Not open to the student with credit in MAT167. Prerequisite: ACT math score of 25 or higher, or a grade of C or better in MAT116 and MAT119.

MAT 166 Calculus with Analytic Geometry I: Integration (3) F, Sp. Includes the study of the integral, and the derivative and integral of exponential, logarithmic, and other transcendental functions. Not open to the student with credit in MAT167. Prerequisite: A grade of C or better in MAT165.

MAT 167 Calculus with Analytic Geometry I (5) F, Sp, Su. The first of three sequenced courses in calculus. Includes the study of limits and continuity of real functions, the derivative and its applications, the integral, and the integration and differentiation of trigonometric, exponential and logarithmic functions. Not open to the student with credit in MAT166. Prerequisite: ACT math score of 25 or higher or a grade of C or better in MAT116 and MAT119.

MAT 177 Calculus with Analytic Geometry II (5) F, Sp. The second of three sequenced courses in calculus. Includes the study of applications of integration, integration techniques, L'Hopital's Rule, improper integrals, infinite series, conic sections, plane curves, parametric equations, and polar coordinates. Prerequisite: A grade of C or better in MAT167.

MAT 201 Combinatorics (3) F (odd-numbered years). A study of the basic techniques for counting finite discrete structures subject to given constraints. Combinatorial problems from various areas of mathematics will be explored. Prerequisite: A grade of C or better in MAT137, MAT147, MAT166, or MAT167.

MAT 206 Mathematical Transitions (3) F. This course is designed to prepare students thoroughly for the transition into university level mathematics. Its main content is the development of formal proof, concise logical reasoning and the ability to write mathematically. Topics include but not limited to proof techniques, induction, number systems, function and sets, complex numbers, series and sequences, matrices. Prerequisite: Credit or concurrent enrollment in MAT177. LAS Writing.

MAT 217 Mathematics and Technology (3) Sp (even-numbered years). An introduction to numerical methods and symbolic computation using a computer algebra system. Iterative and recursive algorithms will be used to explore mathematical problem-solving techniques such as factoring and simplifying expressions, solving equations, differentiation and integration, and plotting curves and surfaces. Prerequisite: A grade of C or better in MAT177. LAS Computer Literacy.

MAT 263 History of Mathematics (3) Sp (odd-numbered years). A study of the most important proofs from the history of mathematics and the lives of the mathematicians who produced them. Prerequisite: Credit or concurrent enrollment in MAT177.

MAT 283 Introduction to Research Methods in Mathematics (1-2) DD. Introduction to basic research methods in Mathematics. Individual and team projects involving methods for solving mathematics-related research problems. Prerequisite: Departmental approval.

MAT 287 Calculus with Analytic Geometry III (5) F, Sp. The third of three sequenced courses in calculus. Includes the study of solid analytic geometry, vectors and vector calculus, partial differentiation, and multiple integrals. Prerequisite: A grade of C or better in MAT177.

MAT 306 Linear Algebra (3) Sp. Vector spaces, linear transformations, matrix operations, determinants, matrix inversion, linear systems, eigenvalues, canonical forms. Prerequisite: Credit or concurrent enrollment in MAT287.

MAT 315 Topics in Geometry (3) Sp (even-numbered years). Synthetic projective geometry; basic symbolic logic; mathematical systems and finite geometries; algebraic geometry; non-Euclidean geometry. Prerequisite: Credit or concurrent enrollment in MAT306.

MAT 317 Differential Equations (3) F (even-numbered years). Common types of ordinary differential equations; differential operators, Laplace transforms; systems of differential equations; partial differential equations; Fourier series; applications. Prerequisite: A grade of C or better in both MAT287 and MAT306. LAS Computer Literacy.

MAT 331 Applied Statistics (3) Sp (odd-numbered years). Fundamental principles and techniques of statistical investigations and data analysis from a calculus-based perspective including discrete and continuous random variables, estimation and hypothesis testing. Prerequisite: A grade of C or better in MAT137, MAT147, or MAT167. LAS Computer Literacy.

MAT 332 Probability Theory (3) F (odd-numbered years). The study of discrete and continuous probability distributions. Prerequisites: MAT287.

MAT 352 Mathematics for Elementary and Middle School Teachers I (3) F, Sp. The development of a teacher's understanding of elementary school mathematics, including the study of whole number arithmetic, mental mathematics, pre-algebra, problem solving, number theory, and operations on fractions, integers, decimals, and irrational numbers. Not applicable to the major or minor in mathematics. Elementary and Middle School education majors may not take the course until officially admitted to teacher education. Prerequisite: A grade of C or better in EDU351.

MAT 353 Mathematics for Elementary and Middle School Teachers II (3) F, Sp. Introductory geometry; geometric constructions; measurement geometry; motion geometry; introductory probability and statistics. Not applicable to the major or minor in mathematics. Prerequisite: A grade of C or better in MAT352.

MAT 401 Advanced Modeling (3) Sp (odd-numbered years). A study of the modeling process including creative and empirical model construction, model analysis, and model research. Prerequisite: A grade of C or better in MAT317.

MAT 407 Advanced Calculus (3) F (odd-numbered years). Elementary topological aspects of the real numbers, sequences, limits and continuity, differentiation, integration, and infinite series. Prerequisite: A grade of C or better in MAT306.

MAT 416 Abstract Algebra (3) F (even-numbered years). Groups, rings, and fields; definitions and fundamental theorems; homomorphisms and isomorphisms; polynomials and field extensions. Prerequisite: A grade of C or better in MAT306. LAS Writing.

MAT 432 Mathematical Statistics (3) Sp (even-numbered years). A continuation of MAT332 to include the theory and applications of estimation, hypothesis testing, regression and correlation, analysis of variance and nonparametric statistics. Prerequisite: A grade of C or better in MAT332.

MAT 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared Mathematics major, a minimum of 2.5 GPA in major field, a grade of C or better in MAT287, and departmental approval.

MAT 451 Internship in Mathematics (1-3) F, Sp, Su. An academic program which offers mathematics majors an opportunity to integrate theory with practice. Students work full-time or part-time for a company in a position related to the mathematics major. Anticipated learning objectives are established in a contract agreed to by the student, the company supervisor, and the departmental faculty sponsor. May be repeated for a total of 6 credits. Prerequisite: Declared mathematics major, a minimum of 2.5 GPA, MAT287, and permission of the faculty sponsor.

MAT 462 Number Theory (3) Sp (odd-numbered years). Study of divisibility, primes, congruencies, diophantine equations, arithmetic functions, partitions, Fibonacci numbers, and continued fractions. An independent method of study will be used. Prerequisite: A grade of C or better in MAT206.

MAT 465 Mathematics Teaching: Methods and Materials (3) F (even-numbered years). Techniques, materials, and resources used in the mathematics curriculum in secondary schools. Not appropriate for the major in mathematics without teacher certification. Prerequisite: A grade of C or better in both MAT206 and EDU203.

MAT 470 Seminar in Mathematics (3) Sp (even-numbered years). Selected topics in mathematics. May be repeated for credit. Prerequisite: Departmental approval.

PHYSICS COURSES

Waiving of any course prerequisites requires prior departmental authorization.

PHY 101 Physics for the Liberal Arts (4) F. A comprehensive, descriptive study of the scientific principles of the physical world, including the history of science, motion, energy, cosmology, geophysics, etc. Designed to provide students without significant previous coursework in the physical sciences with a solid introduction to the terminology and concepts required for further study. Three hours lecture, two hours lab. Not open to the student with credit in PHY107, PHY110, or PHY210.

PHY 104 Introduction to Astronomy (4) F, Sp. Basic course in astronomy, mostly descriptive in nature; solar system, stellar astronomy, structure of galaxy and universe. Three hours lecture, two hours lab.

PHY 107 Introduction to Physics (4) Sp. A comprehensive, quantitative study of the concepts and laws of physics. Designed for students majoring in fields other than the physical sciences, mathematics, or engineering. Topics include motion, gravity, electromagnetism, atomic and nuclear physics, optics, and relativity. Three hours of lecture, two hours lab. Not open to the student with credit in PHY110 or PHY210. Prerequisite: ACT math score of 20 or higher or the equivalent.

PHY 110 College Physics I (4) F, Sp. Classical treatment of mechanics, energy, waves, and heat. Three hours lecture, three hours lab. Not open to students with credit in PHY210. Prerequisite: MAT116.

PHY 111 College Physics II (4) Sp. Electricity, magnetism, optics, relativity, atomic physics and nuclear physics. Three hours lecture, three hours lab. Not open to students with credit in PHY211. Prerequisite: PHY110 or PHY210.

PHY 210 University Physics I (5) F. This course is a comprehensive study of mechanics, relativity, oscillations, waves, and thermodynamics involving simulations, applications, and experimentation. Course assignments require the student to have a thorough knowledge of college algebra, trigonometry, and calculus. Three hours lecture, two hours computer aided instruction lab, two hours experimentation lab. Prerequisite: MAT166 or MAT167.

PHY 211 University Physics II (5) Sp. This course is a comprehensive study of electricity, magnetism, optics, and introductory quantum physics involving simulations, applications, and experimentation. Course assignments require the student to have a thorough knowledge of college algebra, trigonometry, and calculus. Three hours lecture, two hours computer aided instruction laboratory, two hours experimentation laboratory. Prerequisites: PHY210 and MAT177. MAT287 recommended.

PHY 283 Introduction to Research Methods in Physics (1-2) DD. Introduction to basic research methods in Physics. Individual and team projects involving methods for solving physics-related research problems. Prerequisite: Departmental approval.

PHY 312 University Physics III (3) F. Calculus-level modern physics. Three hours lecture. Prerequisite: PHY211.

PHY 313 Modern Physics Laboratory (1) F (odd-numbered years). Selected experiments in modern physics. Three hours laboratory. Prerequisite: Credit or concurrent enrollment in PHY111 or PHY312.

PHY 320 History of Physics (3) Sp (even-numbered years). Comprehensive discussion of chronological development of concepts in classical and modern physics. Prerequisite: PHY111 or PHY312.

PHY 410 Selected Topics in Physics (3) Sp (odd-numbered years). Presentation of one of the following topics: 01-mathematical physics; 02-classical mechanics; 03-thermodynamics; 04-electricity and magnetism; 05-optics; 06-quantum mechanics; 07-astrophysics; 08-solid state physics; 09-nuclear and particle physics; 10-computational physics. Prerequisite: Departmental approval.

PHY 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared physics minor, a minimum of 2.5 GPA in minor field, and departmental approval.

PHY 465 Physics Teaching: Methods and Materials (2) F (even-numbered years). Techniques, materials, and equipment used in teaching physics in secondary schools. Prerequisite: PHY111 or PHY312.

Department of Economics, Political Science & Sociology

John Courington, *Chairperson*

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The discipline of Economics studies the ways in which people make choices as they assume the various roles of consumer, worker, small business owner, business or non-profit manager, investor, government policymaker, and the like. The manner in which the economy is organized determines the opportunities available to individuals for achieving their goals in a wide variety of areas, and it is one of the key factors affecting the quality of life in any society. Recently, with the increasing reliance upon free market economic principles at home and around the globe, students across the country have demonstrated a renewed interest in the study of economics. The background they acquire will serve them well whether they are preparing for careers in business, government or the non-profit sector, or plan to enter graduate school or law school.

The discipline of political science studies political institutions, the political behavior of groups, and the political behavior of individuals within groups. More specifically, the discipline of political science includes the study of American and foreign entities, political history, constitutional and policy issues, interest groups, and the media. Although the field is sufficiently diverse to cover virtually any topic of a political nature, a traditional curriculum comprised of several subfields is widely recognized and is included in the political science major at MWSU.

Sociology is the study of group life, social interaction, and relationships in society. Sociology deals with issues relevant to people and social life. Sociology is concerned with such topics as marriage and the family; urban and rural life; crime; social class; race and ethnicity; sex and gender; demographic changes; environment; technology and communication-to name a few. Sociology addresses these and other pressing contemporary issues by applying both a specific body of theory as well as the systematic methods of scientific research.

GRADUATION REQUIREMENTS

Graduation requirements for a B.S. in Economics reflect the graduation requirements of the University which state the candidate must:

1. Earn an overall GPA of 2.0.
2. Earn an overall GPA of at least 2.0 in those Economics courses needed to satisfy the requirements of the major.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

All students completing a B.S. in Economics are required to complete an exit exam administered by the department. This exam must be completed during the semester of graduation except for summer graduates who must complete the exam in the spring semester prior to graduation. Details regarding the exam are available in the department office.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Major in Economics

Students desiring to major in Economics should declare their interest to a faculty member in the Department of Economics.

	<i>Credits</i>
ECO 260 Principles of Macroeconomics	3
ECO 261 Principles of Microeconomics	3
ECO 360 Intermediate Macroeconomics	3
ECO 361 Intermediate Microeconomics	3
MAT 132 Elementary Statistics	OR
GBA 210 Business Statistics I	OR
ECO 300 Statistics for Economics and Social Sciences	<u>3</u>
	15

At least 2 courses (6 credits) each from the Social Science and Business Economics groupings below, for a total of 12 hours:

Social Science	6
ECO 375 Economics of Health Care	
ECO 376 Economics of the Environment	
ECO 462 History of Economic Thought	
ECO 463 Comparative Economic Systems	
Business Economics	6
ECO 363 Money and Banking	
ECO 364 Labor Economics	
ECO 460 Business and Economic Forecasting	
ECO 461 International Trade	
	<u>12</u>

Economics Electives

An additional 9 credits of upper-division electives in Economics, chosen either from the remaining courses in the Social Science or Business Economics groupings, or from the other Economics offerings in the catalog.

ECO xxx Upper-division ECO electives	9
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Other Required Courses

SOC 110 Introduction to Sociology	3
PSC 101 American National Government	3
HIS 140 American History to 1865	OR
HIS 150 American History since 1865	<u>3</u>
TOTAL	45

BACHELOR OF SCIENCES DEGREE REQUIREMENTS

Major in Political Science

Admission to the Major

The requirements for the B.S. are the same as the requirements for the B.A. except that there is not a foreign language requirement.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS IN SOCIOLOGY

Students pursuing a Bachelor of Science degree in Sociology are required to complete 48 credit hours. Students must formally declare a major by meeting with a sociology faculty member and completing a Declaration of Major form. The student must have a minimum GPA of 2.0 to declare a major.

A. Required Core Courses			<i>Credits</i>
SOC	110	Introduction to Sociology	3
SOC	120	General Anthropology	OR
SOC	200	Introduction to Archaeology	3
SOC	230	Social Problems	3
SOC	400	Racial and Ethnic Relations	3
SOC	440	Sociological Theory	3
SOC	460	Methods of Social Research	3
SOC	465	Advanced Research Project	3
	xxx	Any Statistics (200+ level)	3
 B. Sociology Electives			
Students must take an additional 9 credit hours of electives in Sociology courses numbered 300 or higher*			9
 C. Other Required Electives			
PSC	xxx	PSC course numbered 300 or higher	3
COM	324	Small Group Communications	OR
MGT	350	Organizational Behavior	OR
PSY	321	Adult Psychology	3
 D. Other Required Courses			
PSC	101	American National Government	3
HIS	140	American History to 1865	3
ECO	101	Current Issues in the Economy	OR
ECO	260	Principles of Macroeconomics	OR
ECO	261	Principles of Microeconomics	3
TOTAL CREDITS FOR MAJOR			<hr style="width: 100%; border: 0.5px solid black;"/> 48

*Note: No more than 5 internship or independent studies credit hours shall be counted toward fulfilling the requirements for electives.

MINOR Economics

In view of the number of ways that economics affects the lives of individuals, organizations, and nations, it is not surprising that an economics minor provides a useful complement to many different major fields of study. This is particularly true for students majoring in business, political science or history, but students in areas as diverse as communications, nursing, and criminal justice may also benefit by taking a minor in economics. Completion of the Economics minor requires the following courses:

Requirements			<i>Credits</i>
ECO	260	Principles of Macroeconomics	3
ECO	261	Principles of Microeconomics	3
ECO	xxx	Upper-division ECO electives	12
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 18

Political Science

Courses in political science must total 18 credits. Select either the American Government option or the International Affairs option.

American Government Option

			<i>Credits</i>
Requirements			
PSC	110	American State and Local Government	3
PSC	320	Public Administration	3
PSC	330	Urban Politics	3
PSC	360	The American Presidency	3
PSC	410	The Legislative Process	3
PSC	xxx	PSC course numbered 300 or higher	3
TOTAL			18

International Affairs Option

Requirements			
PSC	200	International Politics	3
PSC	210	Comparative Political Systems	3
PSC	374	Exploring War and Peace in the Modern World	3
PSC	400	American Foreign Policy	3
PSC	xxx	PSC courses numbered 300 or higher	6
TOTAL			18

Sociology

Requirements			
SOC	110	Introduction to Sociology	3
SOC	230	Social Problems	3
SOC	400	Racial and Ethnic Relations	3
SOC	440	Sociological Theory	3
SOC	460	Methods of Social Research	3
SOC	xxx	SOC courses numbered 300 or higher	3
TOTAL			18

Peace & Conflict Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

International Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Minor in Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

ECONOMICS COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ECO 101 Current Issues in the Economy (3) F, Sp, Su. Introductory course covering current economic events and economic problems facing society. Topics include health care, the environment, crime and poverty, globalization, and recession and growth in the national economy. As the economic aspects of these issues are explored, the student is introduced to the methods used by economists to analyze problems and to develop possible solutions.

ECO 260 Principles of Macroeconomics (3) F, Sp, Su. Introduction to basic principles of economics with emphasis on the analysis of unemployment, GDP, inflation, and public debt; discusses fiscal and monetary theories and public policies.

ECO 261 Principles of Microeconomics (3) F, Sp, Su. Introduction to economic fundamentals with emphasis on supply and demand analysis, factor markets, different market structures, international economics, and various economic problems.

ECO 283 Introduction to Research Methods in Economics (1-2) DD. Introduction to basic research methods in Economics. Individual and team projects involving methods for solving economics-related research problems. Prerequisite: Departmental approval.

ECO 300 Statistics for Economics and Social Sciences (3) DD. Basic statistical techniques emphasizing economic and social science applications. Topics covered include data summary techniques, elementary probability theory, sampling and sampling distributions, interval estimation, hypothesis testing, correlation, and linear regression. Prerequisite: Successful completion of General Studies math requirement other than MAT110.

ECO 310 Agricultural Economics (3) DD. Analysis of the evolution and status of the agricultural sector of the economy. Domestic and export markets will be analyzed, as will impact of agricultural policy. Special emphasis will be directed to the Midwestern regional economy as influenced by the agricultural food chain.

ECO 360 Intermediate Macroeconomics (3) Sp. Intermediate-level theory course examines determinants of GDP, employment, and inflation; emphasizes economic model building (both classical and Keynesian) and the use of monetary and fiscal policies to control business cycles and inflation. Prerequisite: ECO260.

ECO 361 Intermediate Microeconomics (3) F. Theoretical approach to the behavior of the individual buyer and seller in the marketplace; includes consumer demand theory, costs of production, and market structures ranging from pure competition to monopoly. Prerequisite: ECO261.

ECO 362 Public Finance (3) F. Studies principles of taxation and public expenditures, impact of fiscal policy on economic and social activity, and recent trends in public finance at the federal, state, and local levels. Prerequisites: ECO260 and ECO261. LAS Ethics.

ECO 363 Money and Banking (3) F, Su. Continuation and expansion of money and banking concepts introduced in ECO260; includes money, banks, and other financial intermediaries, the Federal Reserve System, concepts of monetary control, monetary policy, and international banking. Prerequisite: ECO260.

ECO 364 Labor Economics (3) Sp. Introductory course dealing with the institutional aspects of the American labor force, its organization, wage and employment theory, the economic role of bargaining, and the basic ingredients of public policy toward labor organizations. Prerequisite: ECO261.

ECO 365 Government Regulation of Business (3) DD. Analyzes the legislative and legal control of business and its implications for the various economic components of the American economy. Prerequisites: ECO260 and ECO261. LAS Ethics.

ECO 367 Urban and Regional Economics (3) DD. Examines economic growth in the United States with emphasis on the problems of economic growth in the Midwest; looks at factors instrumental in determining economic growth in various segments of the economy; considers urban problems associated with growth. Prerequisite: ECO261. LAS Writing.

ECO 375 Economics of Health Care (3) F. Examines the application of economic theory to the health care industry. Topics include the demand for health and health care, the market for health insurance, managed care, the market for health care practitioners, hospital services, and pharmaceuticals, and the role and operation of Medicaid and Medicare. Current proposals for reform of the health care system and of government health care policy will be carefully examined. Prerequisite: ECO261. LAS Ethics.

ECO 376 Economics of the Environment (3) Sp. Application of economic principles and insights to environmental issues, and to the development of potential remedies. Areas of examination include valuing the environment and sustainable development, natural resource economics (incl. energy, water, and biodiversity), and environmental economics (incl. air, land, and water pollution, and poverty and development). Prerequisite: ECO260 or ECO261. LAS Ethics.

ECO 450 Independent Research/Project (1-6) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared Economics major, a minimum of 2.5 GPA in major field, and departmental approval.

ECO 460 Business and Economic Forecasting (3) F, Sp. Basic and intermediate forecasting of business and economic variables. Forecasting of business variables such as sales, production, and stock prices. Economic forecasts of GDP, unemployment, and consumer prices. Techniques include judgmental methods, trend calculation, smoothing techniques, time series methods, and regression analysis. Prerequisites: ECO260 and either GBA210 or MAT132. LAS Computer Literacy.

ECO 461 International Trade (3) Sp. Introduction to the theory of international economics, with an emphasis on economic models of trade and on economic arguments for and against the use of trade barriers. The course examines the changing nature of international economic institutions and increasing world economic interdependence. Prerequisites: ECO260 and ECO261. LAS International/Intercultural.

ECO 462 History of Economic Thought (3) Sp. Development of various schools of economic thought: includes classical, neoclassical, institutional, Keynesian, and neo-Keynesian theories. Prerequisite: ECO260. LAS Writing.

ECO 463 Comparative Economic Systems (3) F (even-numbered years). Introduction to the comparative study of national economic organization. Analysis of alternative patterns of reliance on national economic planning versus market activity. Examines experiences in different types of national economies such as the United States, the United Kingdom, Germany, Sweden, Japan, the republics of the former Soviet bloc, and China. Prerequisite: ECO260. LAS International/Intercultural.

ECO 464 Econometrics (3) DD. Introduces methods and statistical tools utilized by economists to perform basic and applied research. Regression analysis is the focus, with emphasis on both theoretical issues and problems encountered in application. Students will experience the research process firsthand, with ample opportunities to collect and analyze their own data. Prerequisites: Either ECO260 or ECO261 and either GBA210 or MAT132. LAS Computer Literacy.

ECO 466 Economics in Action (3) DD. In-depth study of one of the following specialty areas in economics taught on a rotational basis each semester offered. Content will cover such topics as: Economics of Crime and Justice, International Finance, Mathematical Economics, Economics of Sport, or Economics and the Media. Course may be repeated for credit up to five times with different topics. Prerequisite: ECO260 or ECO261.

POLITICAL SCIENCE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

PSC 101 American National Government (3) F, Sp, Su. The American constitutional system, including Congress, the presidency, and the courts; and public issues.

PSC 110 American State and Local Government (3) F. Colonial and revolutionary origins of state government; state constitutions; referendum, initiative, and recall procedures; state legislatures; governors; state courts; county and municipal governments. Prerequisite: PSC101.

PSC 200 International Politics (3) Sp. The nature of politics at the international level; the national state system and state capabilities; foreign policy objectives, formulation, and execution; international organizations and alignments; contemporary world tensions. Prerequisite: PSC101. LAS International/Intercultural.

PSC 210 Comparative Political Systems (3) F. Structural-functional analysis of major European political systems; comparison and contrast among such systems and with others of contemporary significance. Prerequisite: PSC101.

PSC 280 Scope and Methods (3) Sp (even-numbered years). The way political scientists work; the scientific basis for the discipline of Government; the history, approaches, and major sub-fields of Government the quantitative and qualitative research methods used to analyze politics.

PSC 283 Introduction to Research Methods in Government (1-2) DD. Introduction to basic research methods in political science. Individual and team projects involving methods for solving government-related research problems. Prerequisite: Departmental approval.

PSC 300 Political Parties, Elections, and Voting Behavior (3) F (even-numbered years). Evolution of the American two-party system; place of the interest group in decision making through interaction with executive and legislative branches. Prerequisites: PSC101 and PSC110. LAS Computer Literacy.

PSC 310 Political Theory (3) F. Political theories of classical thinkers, Plato and Aristotle; of church fathers, Augustine and Aquinas; and of modern theorists, Machiavelli, Hobbes, Locke, Rousseau, and Mill; Marxism and Fascism. Same as PHL310. Prerequisite: PSC101 or PHL210 or PHL230 or HUM203 or HUM204 or HUM205. LAS Ethics; LAS Writing.

PSC 312 Contemporary Political Philosophy (3) Sp (odd-numbered years). Political theories since the mid-twentieth century to the present including movements such as libertarianism, neo-conservatism, neo-liberalism, communitariansim, feminism, and environmentalism. Same as PHL312. Prerequisite: PSC101 or PHL210 or PHL230 or HUM203 or HUM204 or HUM205. LAS Ethics.

PSC 314 Technology and Society (3) F, Sp. Participatory course emphasizing a particular problem and/or issue related to technology and society. Class participants will investigate the semester's theme using currently available technologies. Same as BIO314, ENG314, HUM314, and PSY314. Prerequisites: Completion of Category one -- Basic Skills General Studies courses.

PSC 320 Public Administration (3) DD. Organization theory; bureaucracy; public personnel and policy; issues in American public administration. Prerequisite: PSC101.

PSC 330 Urban Politics (3) Sp (even-numbered years). The growth of cities and metropolitan areas; the legal status of local governmental entities; politics and elections and the role of interest groups in governing the metropolis; and the functions and services of urban governments. Prerequisites: PSC101.

PSC 340 Latin American Political Systems (3) DD. Comparative approach to Latin American political institutions; investigates causes for political instability, revolution, the new military, socialism vs. communism, and economic development and U.S. policy. Prerequisites: PSC101 and either PSC200 or PSC210. LAS International/Intercultural.

PSC 350 Judicial Process (3) DD. An exploration of the judicial process in the United States, including the institutions and considerations that affect the administration of justice under law in the American political system. Prerequisites: PSC101 and PSC110.

PSC 355 Interest Group Politics (3) DD. An examination of interest groups and the interest group process in the U.S., both in national and state arenas. Attention is given to the role and function of interest groups in society, the interest group process itself, problems, and the use of case studies to illustrate the process in action. Prerequisite: PSC101.

PSC 360 The American Presidency (3) Sp (odd-numbered years). The place of the president in decision making in the American federal system, his constitutional roles, the legal and extra-legal checks on presidential power. Prerequisite: PSC101.

PSC 365 Selected Topics in Peace & Conflict Studies (3) Sp (odd-numbered years). Specialized course work in interpersonal and/or international conflict studies. May be repeated as content varies. Same as LAT365, PHL365, and REL365.

PSC 370 American Public Policy (3) DD. A survey of the policy process and specific policies or issues in government selected from a variety of areas, such as crime and punishment, health and welfare, bioethical, education, energy, environment, spending, taxation, civil liberties, immigration, and homeland security. Prerequisite: PSC101. LAS Ethics; LAS Writing.

PSC 374 Exploring War and Peace in the Modern World (3) F (odd-numbered years). This class provides an interdisciplinary survey of the root causes of conflicts and methods by which societies can build peace. There is a specific emphasis on the multiple meanings of peace in society and the challenges embedded in contemporary, applied peace-making.

PSC 375 Seminar on Terrorism and Homeland Security (3) Sp (even-numbered years). This class is a survey of domestic and international terrorism focusing on major terrorist groups and their actions throughout the world. Root causes of terrorism will be examined and domestic and international reactions to terrorism will be explained and evaluated. There is a special emphasis in this class on the U.S. Homeland Security response to terrorism. Prerequisite: PSC101.

PSC 380 Asian Politics (3) DD. Comparative approach to Asian politics and culture. This course pays special attention to Japanese governance, culture and leadership as well as emerging governments and economies in Southeast Asia. Relations with the United States are also examined. Prerequisite: PSC101. LAS International/Intercultural.

PSC 390 International Organizations (3) Sp (odd-numbered years). An examination of the role of international organizations in constituting and reconstituting world order with a focus on providing governance under conditions of anarchy. Covers a range of organizations with special attention given to the role of the United Nations in maintaining international peace and stability. Prerequisite: PSC101. LAS Writing.

PSC 400 American Foreign Policy (3) F (even-numbered years). Policy making, the role of the public in decisions, formulation and implementation of national policy, U.S. policy goals in various areas of the world, decision making in crisis situations. Prerequisites: PSC101 and PSC200. LAS International/Intercultural.

PSC 410 The Legislative Process (3) F (even-numbered years). The American Congress, its organization, rules, role in law making; the role of interest groups, congressional investigations, and the modern presidency in the legislative process. Prerequisite: PSC101.

PSC 420 Constitutional Law (3) F (odd-numbered years). The role of the Supreme Court in the American system; judicial review and its significance under Marshall, Fuller, Taft, Hughes, and Warren; majority and minority opinions; the process of decision making. Prerequisite: PSC101. LAS Writing.

PSC 426 Peace and Justice in Post-Conflict Societies (3) Sp (even-numbered years). This course addresses issues of building peace in war-torn societies by focusing on a range of political, military, economic, and social challenges and how they intersect with institutions of the state. Emphasis on four separate sectors around which institutionalizing peace are organized: security, justice and reconciliation, governance and participation, and social and economic issues. Special attention is given to connecting the theoretical literature on conflict transition to the applied challenges of post-war societies. Prerequisite: PSC101 and PSC200.

PSC 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared political science major, a minimum of 2.5 GPA in major field, and departmental approval.

PSC 490 Practicum in Political Science (3-12) Sp. Internships with public agencies, governmental organizations, or private groups or agencies that interact with government are available with the approval of the Department of Economics, Political Science, & Sociology via its political science faculty. This field work will provide first hand experience with the operations, institutions, and policy concerns of cooperating agencies, organizations, and groups. Prerequisites: Junior or senior standing, declared political science major, PSC101, either PSC110 or PSC320, and one of PSC300, PSC330, or PSC410. Student internship positions in a state and local government setting require PSC110. Internships must be arranged and approved by the department during the semester preceding the internship.

SOCIOLOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

SOC 110 Introduction to Sociology (3) F, Sp, Su. An introduction to the discipline of sociology; basic sociological concepts and theories; a survey of the major topics such as culture, society, social interaction, groups, crime, race/ethnicity, class, gender, the family, education, religion, medicine, economy, politics. Cross-cultural comparisons.

SOC 120 General Anthropology (3) F. The bio-cultural evolution of the human species, with emphasis on culture as adaptation for survival; comparison of human non-literate societies, stressing cultural variability, cultural relativity, and similarities between cultures.

SOC 200 Introduction to Archaeology (3) F, Sp. The language, methodology, theoretical frameworks and history of the field of archaeology, with special emphasis on excavations and their contribution to knowledge of past civilization.

SOC 230 Social Problems (3) F. An analysis of contemporary American social problems, such as poverty, social inequality, crime and law enforcement, health and health care, population and the environment, problems in the family, education, politics and the economy. Global comparisons. Prerequisite: SOC110.

SOC 283 Introduction to Research Methods in Sociology (1-2) DD. Introduction to basic research methods in sociology. Individual and team projects involving methods for solving sociology-related research problems. Prerequisite: Departmental approval.

SOC 300 Selected Topics in Sociology (3) DD. Specialized area of investigation of a selected topic or problem in sociology that is not listed in the catalog. May be repeated for credit for each different topic. Prerequisite: SOC110 or departmental approval.

SOC 310 Deviant Behavior (3) Sp (even-numbered years). Introduction to the basic research, theories and topics that characterize this area of sociology including, but not limited to such topics as substance abuse, sexual deviance, violence, mental illness and other behaviors considered deviant in American society. Cross-cultural comparisons are made whenever possible. Prerequisite: SOC110.

SOC 315 Social Inequality and Stratification: Class, Power and Wealth (3) DD. A survey of the nature, causes, and consequences of social inequality in advanced capitalist societies (e.g., North America, Europe, and Japan) and the Third World. Explores the distribution of income, wealth, power, and prestige based on gender, race, age, and physical and other attributes. Investigates the reasons for prosperity and poverty and their effects on life choices, careers, and opportunities. Prerequisite: SOC110. LAS International/Intercultural.

SOC 325 World of Islam: People, Cultures & Societies (3) DD. An introduction to the fundamentals of Islam, and a survey of cultures, traditions, social life, and history of Islamic societies. The course provides an interpretation of current events in the world of Islam. Special topics of interest would include: the origin and history of Islam; religious life (belief and practices, and observance); Islamic cultures; Islamic arts, literature, and architecture; economic applications of Islam; Islamic laws and theology; marriage and Muslim families; women's rights and position in Muslim families and society; political Islam (Islamic groups: modern and militant Islamic movements, the question of leadership); and, Islam and the West. The course is, however, open to the type of interests that students show in the subject matter.

SOC 330 The Family (3) Sp. The family as a basic institution; the structure and functions of the modern family in a changing urban environment. Prerequisites: SOC110.

SOC 360 Sociology of Health, Illness and Medicine (3) Sp (odd-numbered years). A sociological analysis of health, illness and medicine; the impact of the physical, social, economic and political factors on the production and distribution of illness, disease, sickness and health care. International comparisons. Prerequisite: SOC110. LAS Ethics.

SOC 370 Mediterranean Archaeology (3) DD. Uses the principles of basic archaeology to investigate the history and artifactual remains of the major cultures which occupied the land surrounding the Mediterranean Sea, including the Stone Age, Bronze Age, Iron Age, Hellenistic and Roman periods. Prerequisite: SOC200 or departmental approval.

SOC 373 Sociology of Sport and Physical Activity (2-3) DD. Emphasizes the fundamental premise that sport is a microcosm of society. Develops an understanding of the principles that create, sustain, and transform social organizations through sport as well as the structure, processes, and problems of sport as a form of social organization. Investigates how the theory and methodology of sociology can be used to understand the principles of stability and change in the conduct of sport.

SOC 400 Racial and Ethnic Relations (3) Sp. An analysis of the major racial/ethnic groups in the United States; group conflicts and their sources such as prejudice, discrimination, ethnocentrism, racism; majority-minority relations; critical issues such as affirmative action, immigration. A brief comparison with other societies such as Canada, Northern Ireland, the Middle East, Brazil, South Africa. Prerequisite: SOC110. LAS International/Intercultural.

SOC 430 Criminology (3) F. Explanations of criminal behavior; relationship between crime and social factors such as social class, age, gender, occupation; types of crimes; crime statistics; crime victims; the criminal justice system: the police, courts, corrections; ethical and other critical issues such as capital punishment, crime and mental illness, juvenile crime and punishment. International comparisons. Prerequisites: SOC110. LAS Ethics.

SOC 440 Sociological Theory (3) F. An analysis of both classical and contemporary sociological theories and their application to historical and current events. Prerequisites: Completion of nine credit hours in sociology. LAS Writing.

SOC 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Junior or senior standing, declared sociology major, a minimum of 3.0 GPA in major field, and departmental approval.

SOC 460 Methods of Social Research (3) F. Tools, methods, ethical and theoretical foundation of research process; investigates hypothesis construction, empirical techniques for collecting and analyzing data, and testing their validity; employs computers and statistical analysis as appropriate to the social sciences. Prerequisite: Completion of nine credit hours in sociology (at least 3 credit hours numbered 300 or higher). LAS Computer Literacy.

SOC 465 Advanced Research Project (3) Sp. Student will design and conduct an empirical research project focused on a relevant social issue or concern. Same as SWK465. Prerequisites: PSY300 or equivalent with departmental approval and a grade of C or better in SOC460.

SOC 490 Internship in Sociology (1-5) DD. Acquaints the student with the practical aspect of sociology; encourages sociological thinking. Students study a social issue by working as volunteer interns for an organization, office, or agency in the community. To enroll, the student must submit a proposal to the sociology faculty member who will supervise the internship process. Prerequisites: Junior or senior standing, declared sociology major or minor, completion of at least 15 credit hours in sociology; a minimum of 3.0 GPA in major field, and permission of the instructor.

Department of English & Modern Languages

Dr. Susie Hennessy, *Chairperson* hennessey@missouriwestern.edu 271-5613
<http://www.missouriwestern.edu/EML/>

The Department of English & Modern Languages offers major programs in English, French, and Spanish leading to the Bachelor of Arts degree and the Bachelor of Science in Education degree. Minors are also offered in Literature, Creative Writing, Technical Communication, French, German, and Spanish.

In its various programs and offerings, the Department of English & Modern Languages works toward four goals: (1) an improvement of communication skills through practice in diverse types of expository and imaginative writing; (2) a development of critical thinking through exposure to and interpretation of the various world views offered in literary works; (3) an increased appreciation of literature, its backgrounds, history, and values through an analysis and discussion of authors and literary works covering a wide range of attitudes, perspectives, and expressions; (4) a deeper understanding of one's own culture and a tolerance and acceptance of things foreign through a study and appreciation of another language and culture.

In all of its programs, the department encourages its students to grow in self-knowledge and the knowledge of others through its emphasis on the humane and liberal characteristics of its offerings.

BACHELOR OF ARTS DEGREE REQUIREMENTS

The BA requires at least 12 credits in a single foreign language. Academic majors may require additional hours in a foreign language. Students may earn more than one emphasis area in completing a single BA in English.

MAJORS IN ENGLISH

BA English Major Core

	<i>Credits</i>
JOU 200 Principles and Theory of Mass Media and Journalism	3
ETC 200 Introduction to Technical Communication	3
ENG 220 Introduction to Reading Texts	3
ENG 232 Language Awareness	3
300-level writing class (ENG 301, 385, 386)	3
Three literature courses numbered above 300 (one of these must be LAS International/Intercultural)	9
TOTAL CORE	24

BA English, Creative Writing and Publishing Concentration

The Bachelor of Arts degree with a major in English and a concentration in Creative Writing and Publishing is designed for aspiring writers, future creative writing teachers in secondary and post-secondary institutions, and students seeking careers in editing and publishing of creative writing whether with literary magazines or publishing houses.

		<i>Credits</i>
Major Core		24
Creative Writing and Publishing Concentration		
JOU 202	Basic News Reporting	3
ETC/JOU 328	Multimedia Authoring	3
ENG 301	Advanced Composition*	3
ETC/JOU 224	Writing for the Internet	3
JOU 308	Copy Editing	OR
ETC 408	Technical Editing	3
ENG 385	Creative Writing Prose*	3
ENG 386	Creative Writing Poetry*	3
ENG 395	The Making of Contemporary Literature: The Mochila Review	3
TOTAL CONCENTRATION AREA		24
TOTAL CORE AND CONCENTRATION AREA		48

* ENG 385/386 will be repeated for the core requirements.

BA English, Literature Concentration

The Bachelor of Arts degree with a major in English and a Literature concentration is a broad-based program providing students with a wide perspective on literature, language, and world views. The program prepares students to pursue graduate work in English or related disciplines or to enter areas of the business/professional community seeking people with a broad liberal education.

		<i>Credits</i>
Major Core		24
Literature Concentration		
ENG 340	Literary Theory	3
ENG 341	Shakespeare	3
One of the following courses:		3
ENG 320	Literature of Gender and Ethnicity	
ENG 321	Literature and Religion	
ENG 324	Literature and Science	
ENG 325	Literature and the World	
One of the following courses:		3
ENG 330	Studies in Fiction	
ENG 331	Studies in Poetry	
ENG 333	Studies in Drama	
ENG 334	Studies in Popular Literature	
One of the following courses:		3
ENG 352	Literature in English: Beginnings to 1660	
ENG 353	Literature in English: 1660-1800	
One of the following courses:		3
ENG 354	Literature in English: 1800-1860	
ENG 355	Literature in English: 1860-1914	
ENG 356	Literature in English: 1914-1945	
ENG 357	Literature in English: 1945-Present	
One of the following courses:		3
ENG 410	Selected Studies in Literary Genre	
ENG 430	Selected Studies in Literary Theme	
ENG 460	Selected Studies in Literary Period or Movement	
ENG 480	Selected Studies in Literary Authority	
Additional literature course numbered above 300		3
TOTAL CONCENTRATION AREA		24
TOTAL CORE AND CONCENTRATION AREA		48

Literature courses completed to fulfill the Major Core requirements will NOT also fulfill the Literature Emphasis requirements. Students must also complete the ETS English Literature Examination during the semester before graduation.

BA English, Technical Communication Concentration

The Bachelor of Arts degree with a major in English and a concentration in Technical Communication is designed for students interested in working as technical writers and/or communication specialists in large organizations. Students interested in pursuing graduate and professional degrees (creative writing, composition and rhetoric, law, library science, etc.) are also advised to select this program.

			<i>Credits</i>
Major Core			24
Technical Communication Concentration			
ETC	224	Content Design for the Web	3
ETC	316	Internship in Technical Communication	2
EPR	326	Desktop Publishing	3
ETC	328	Multimedia Authoring	3
ETC	401	Senior Portfolio	1
ETC	408	Technical Editing	3
ETC	420	Technical Documentation	3
ETC	421	Research and Practice in Technical Communication (LAS International/Intercultural)	3
ETC	424	Writing for Digital Environments	3
TOTAL CONCENTRATION AREA			<u>3</u>
TOTAL CORE AND CONCENTRATION AREA			<u>24</u>
			48

MAJORS IN MODERN LANGUAGES

Major Requirements **40-60**

Students select from ONE of the two following areas

Area 1 Language and Culture, BA

40 hours of ONE language

Area 2 Professional Applications, BA

40-66

33 hours of ONE language

FRE/SPA 211 Language for the Professional

OR

FRE/SPA 301 Methods of Teaching Foreign Language

3

For Area 2, select ONE Concentration listed

30

Business Concentration

Criminal Justice Concentration

Digital Media Concentration

Area 1 (Language and Culture)

Major Requirements - French (40 credits)

Required Courses

			<i>Credits</i>
FRE	100	Elementary French I	3
FRE	101	Elementary French II	3
FRE	200	Intermediate French I	3
FRE	201	Intermediate French II	OR
FRE	211	French for the Professional	3
FRE	302	Written Expression and Translation	3
FRE	310	Readings in Francophone Culture and Civilization	3
FRE	312	Conversation & Diction	3
FRE	322	Contemporary French Society	3
FRE	403	Advanced Business French	3
FRE	452	Advanced Oral Communication in a Professional Environment	3
FRE	462	Senior Thesis	1

Nine credit hours from the following:			9
FRE	307	Summer Study/Travel Program in a French-speaking country: Oral/Wr. French (3)	
FRE	316	Internship in French (1-3)	
FRE	422	Introduction to French Culture, Civilization & Literature I (3)	
FRE	432	Introduction to French Culture, Civilization & Literature II (3)	
FRE	442	Introduction to French Culture, Civilization & Literature III (3)	
		TOTAL	40

Students may substitute FRE 340 Extended Study Abroad for 12 hours of the following courses:

FRE	302	Written Expression and Translation (3)
FRE	310	Readings in Francophone Culture and Civilization (3)
FRE	312	Conversation and Diction (3)
FRE	322	Contemporary French Society (3)
FRE	422	Introduction to French Culture, Civilization, and Literature I (3)
FRE	432	Introduction to French Culture, Civilization, and Literature II (3)
FRE	442	Introduction to French Culture, Civilization, and Literature III (3)

Students who plan to use French in a professional setting are encouraged to take the Chambre de Commerce et d'Industrie de Paris (CCIP) examination to receive official recognition for proficiency in professional French.

Major Requirements - Spanish (40 credits)

Required Courses			<i>Credits</i>
SPA	100	Elementary Spanish I (3)	AND
SPA	101	Elementary Spanish II (3)	OR
SPA	110	Accelerated Beginning Spanish	6
SPA	200	Intermediate Spanish I	3
SPA	201	Intermediate Spanish II	3
SPA	302	Grammar & Composition	3
SPA	310	Spanish Readings	3
SPA	312	Conversation	3
SPA	322	Introduction to Hispanic Civilization & Culture I	3
SPA	332	Introduction to Hispanic Civilization & Culture II	3
SPA	422	The Literature of Spain	3
SPA	432	Selected Studies in Literature in Spanish	3
SPA	452	Advanced Conversation	3
SPA	462	Senior Thesis	1
Three hours of the following:			3
SPA	316	Internship in Spanish (3)	
SPA	350	Interim Program in Spanish Study Abroad: Oral Spanish (3)	
SPA	442	Topics in Spanish (3)	
		TOTAL	40

AREA 2 (Professional Applications)

Major Requirements - French

Choose from the following for a total of 33 Credits

At least 3 credits must be 400 level

			<i>Credits</i>
FRE	100	Elementary French I	3
FRE	101	Elementary French II	3
FRE	200	Intermediate French I	3
FRE	201	Intermediate French II	3
FRE	302	Wr. Expression & Translation	3
FRE	310	Rdgs. In Francophone Culture & Civilization	3
FRE	312	Conversation & Diction	3
FRE	322	Contemporary French Society	3

FRE	403	Advanced Business French	3
FRE	452	Adv. Oral Comm. in a Professional Environ.	3
FRE	462	Thesis	1
FRE	307	Summer Study/Travel in French-speaking country: Oral and Written French	3
FRE	316	Internship in French	1-3
FRE	422	Intro. Fre. Culture, Civ, Lit I	3
FRE	432	Intro. Fre. Culture, Civ, Lit II	3
FRE	442	Intro. Fre. Culture, Civ, Lit III	3
Plus 3 additional credits from the following:			
FRE	211	French for the Professional	3
FRE	301	Methods for Teaching Foreign Language	3
TOTAL			<hr/> 36

Major Requirements - Spanish

Choose from the following for a total of 33 Credits.

At least 3 credits must be at the 400 level.

			<i>Credits</i>
SPA	100	Elementary Spanish I (3)	AND
SPA	101	Elementary Spanish II (3)	OR
SPA	110	Accelerated Beginning Spanish	6
SPA	200	Intermediate Spanish I	3
SPA	201	Intermediate Spanish II	3
SPA	302	Grammar and Comp	3
SPA	310	Spanish Readings	3
SPA	312	Conversation	3
SPA	316	Internship in Spanish	2-6
SPA	322	Intro. Hispanic Civ. & Cult. I	3
SPA	332	Intro. Hispanic Civ. & Cult. II	3
SPA	350	Interim Program in Spanish Study Abroad: Oral Spanish	3
SPA	422	The Literature of Spain	3
SPA	432	Selected Studies in Literature in Spanish	3
SPA	442	Topics in Spanish	3
SPA	452	Advanced Conversation	3
SPA	462	Thesis	1
Plus 3 additional credits from the following:			
SPA	211	Spanish for the Professional	3
SPA	301	Methods for Teaching Foreign Language	3
TOTAL			<hr/> 36

CONCENTRATIONS

Business Concentration

			<i>Credits</i>
ACC	201	Introductory Financial Accounting	3
ECO	261	Principles of Microeconomics	3
ECO	461	International Trade	3
FIN	210	Personal Finance	3
GBA	210	Business Statistics I	3
GBA	211	Business Law I	3
GBA	220	Business Communication	3
MGT	350	Organizational Behavior	3
MKT	301	Principles of Marketing	3
MKT	311	Consumer Behavior	OR
MKT	351	Professional Selling and Sales Management	3
TOTAL			<hr/> 30

Criminal Justice Concentration			<i>Credits</i>
LAT	101	Introduction to Law	3
LAT	335	Introduction to Mediation	3
LAW	100	Introduction to Criminal Justice	3
LAW	110	Juvenile Delinquency	3
LAW	190	Criminal Investigation	3
LAW	260	Criminal Law	3
LAW	305	Introduction to Theories of Crime	3
LAW	325	Understanding Research in Criminal Justice	3
LAW	365	Practicum	3
LAW	410	Intermediate Criminal Law	3
TOTAL			30

Digital Media Concentration			<i>Credits</i>
JOU	104	Fundamentals of Digital Photography	3
JOU	200	Principles and Theory of Mass Media and Journalism	3
JOU	202	Reporting for the Media	3
JOU	204	Video Journalism	3
JOU 210 or 212 or 214 Newspaper/Yearbook/Magazine/Multimedia Production (2 of these 3 for 4 credits total)			
JOU	308	Copy Editing	3
JOU	316	Internship in Journalism	3
			21

Plus 9 credits of approved courses below:

JOU	224	Introduction to Writing for the Internet	3
JOU	302	Advanced Media Reporting	3
JOU	304	Advanced Video Journalism	3
JOU	327	Publication Design	3
JOU	328	Multimedia Authoring	3
TOTAL			9
			30

MAJOR IN INTERNATIONAL STUDIES

B.A. Degree in International Studies – Admission to the Major

Refer to the Interdepartmental Studies catalog section for specific requirements.

BACHELOR OF SCIENCE IN EDUCATION

DEGREE REQUIREMENTS

Major in English

The Bachelor of Science in Education degree with a major in English leads to certification to teach English in the secondary schools. Students who pursue this program should consider teaching as their immediate career goal. See the Department of Education for required courses in education.

Required Courses			<i>Credits</i>
ENG	220	Introduction to Reading Texts	3
ENG	232	Language Awareness	3
ETC	200	Introduction to Technical Communication	3
JOU	200	Principles and Theory of Mass Media and Journalism	3
ENG	301	Advanced Composition	3
ENG	340	Literary Theory	3
ENG	341	Shakespeare	3

ENG 364	Introduction to Composition Theory	3
ENG 365	Teaching Writing in Middle and Secondary Schools	3
ENG 400	Literature for Adolescents	3
ENG 465	English Teaching: Methods and Materials	2
ENG 466	Practicum in the Teaching of Writing	1
ENG 467	Grammar and the Teaching of Grammar	3
ENG 473	History of the English Language	OR
Select three hours from the following:		3
ENG 354	Literature in English: 1800-1860 (3)	
ENG 355	Literature in English: 1860-1914 (3)	
ENG 356	Literature in English: 1914-1945 (3)	
ENG 357	Literature in English: 1945-Present (3)	
Select three hours from the following:		3
ENG 410	Selected Studies in Literary Genre (3)	
ENG 430	Selected Studies in Literary Theme (3)	
ENG 460	Selected Studies in Literary Period or Movement (3)	
ENG 480	Selected Studies in Literary Authority (3)	
Additional literature course numbered above 300		<u>6</u>
TOTAL		48

BSE English majors are required to take the Content Area Assessment in English Language and Literature as a graduation requirement. To be certified as a teacher, the student must receive a passing score, as determined by the Missouri Department of Elementary and Secondary Education, on the exam. Overall GPA of 2.75 and major GPA of 3.0 required for admission into Teacher Education, graduation, and Missouri certification.

Major in French

The Bachelor of Science in Education degree with a major in French leads to certification to teach French in the secondary schools. Students who pursue this program should consider teaching as their immediate career goal. The requirements for a Bachelor of Science in Education degree with a major in French include the satisfactory completion of the following courses for a total of 43 credits:

Required Courses		<i>Credits</i>
Twelve hours from the following:		12
FRE 100	Elementary French I (3)	
FRE 101	Elementary French II (3)	
FRE 200	Intermediate French I (3)	
FRE 201	Intermediate French II (3)	
FRE 211	French for the Professional (3)	
All of the following:		
FRE 301	Methods in Teaching Foreign Language	3
FRE 302	Written Expression and Translation	3
FRE 310	Readings in Francophone Culture and Civilization	3
FRE 312	Conversation and Diction	3
FRE 322	Contemporary French Society	3
FRE 452	Advanced Oral Communication in a Professional Environment	3
FRE 462	Senior Thesis	1
Twelve hours of the following:		12
FRE 306	Summer Study/Travel in France: Field Work in Paris (1-4)	
FRE 307	Summer Study/Travel in a French-speaking Country: Oral/Wr. French (3)	
FRE 403	Advanced Business French (3)	
FRE 422	Introduction to French Culture, Civilization & Literature I (3)	
FRE 432	Introduction to French Culture, Civilization & Literature II (3)	
FRE 442	Introduction to French Culture, Civilization & Literature III (3)	
TOTAL		<u>43</u>

Majors may not take courses requiring FRE 201 as a prerequisite without first passing a departmentally approved proficiency exam. Majors must receive a grade of C or better in each course numbered below 300 and no more than two Cs for courses numbered 300 or above in the major. In order to graduate, majors must first receive a passing score, as determined by the Department of Elementary and Secondary Education, on the Content Area Assessment in French. See the Department of Education for required courses in education. Overall GPA of 2.75 and major GPA of 3.0 required for admission into Teacher Education, graduation, and Missouri certification. In addition, all other institutional requirements for graduation must be met.

Students completing a BSE in French or Spanish must demonstrate oral proficiency in the language of certification at the level of Advanced Low, according to the guidelines established by the American Council on the Teaching of Foreign Languages (ACTFL). Students are responsible for scheduling and paying for an official Oral Proficiency Interview with Language Testing International. Students who are unable to attain the Advanced Low level of oral proficiency will not receive state certification.

Major in Spanish

The Bachelor of Science in Education degree with a major in Spanish leads to certification to teach Spanish in the secondary schools. Students who pursue this program should consider teaching as their immediate career goal. The requirements for a Bachelor of Science in Education degree with a major in Spanish include the satisfactory completion of the following courses for a total of 43 credits:

Required Courses		<i>Credits</i>
SPA 100	Elementary Spanish I (3)	AND
SPA 101	Elementary Spanish II (3)	OR
SPA 110	Accelerated Beginning Spanish	6
SPA 200	Intermediate Spanish I	3
SPA 201	Intermediate Spanish II	3
SPA 301	Methods in Teaching Foreign Language	3
SPA 302	Grammar and Composition	3
SPA 310	Spanish Readings	3
SPA 312	Conversation	3
SPA 322	Introduction to Hispanic Civilization and Culture I	3
SPA 332	Introduction to Hispanic Civilization and Culture II	3
SPA 422	The Literature of Spain	3
SPA 432	Selected Studies in Literature in Spanish	3
SPA 452	Advanced Conversation	3
SPA 462	Senior Thesis	1
Three hours of the following:		3
SPA 316	Internship in Spanish (3)	
SPA 350	Interim Program in Spanish Study Abroad: Oral Spanish (3)	
SPA 442	Topics in Spanish (3)	
TOTAL		<hr style="width: 100%; border: 0.5px solid black; margin-bottom: 5px;"/> 43

Majors may not take courses requiring SPA211 or SPA201 as a prerequisite without first passing a departmentally approved proficiency exam. Majors must receive a grade of C or better in each course numbered below 300 and no more than two Cs for courses numbered 300 or above in the major. In order to graduate, majors must first receive a passing score, as determined by the Department of Elementary and Secondary Education, on the Content Area Assessment in Spanish. See the Department of Education for required courses in education. Overall GPA of 2.75 and major GPA of 3.0 required for admission into Teacher Education, graduation, and Missouri certification. In addition, all other institutional requirements for graduation must be met.

Students completing a BSE in French or Spanish must demonstrate oral proficiency in the language of certification at the level of Advanced Low, according to the guidelines established by the American Council on the Teaching of Foreign Languages (ACTFL). Students are responsible for scheduling and paying for an official Oral Proficiency Interview with Language Testing International. Students who are unable to attain the Advanced Low level of oral proficiency will not receive state certification.

MINOR PROGRAMS

In addition to the major programs, the Department of English, Foreign Languages and Journalism offers minors in English, Creative Writing, Journalism, French, German, Spanish, and International Studies. Students receiving a BA in English may receive a minor in English in an emphasis area different from the major's emphasis.

English, Literature

The minor in English Literature provides students with an opportunity to broaden their understanding and appreciation of literature and culture, and to improve their communication skills. As such, the minor is a valuable asset to those seeking careers in the professional or business world.

The requirements for a minor in English Literature include the satisfactory completion of the following courses for a total of 21 credits:

	<i>Credits</i>
ENG 220 Introduction to Reading Texts	3
ENG 341 Shakespeare	3
One of the following courses:	3
ENG 320 Literature of Gender and Ethnicity	
ENG 321 Literature and Religion	
ENG 324 Literature and Science	
ENG 325 Literature and the World	
One of the following courses:	3
ENG 330 Studies in Fiction	
ENG 331 Studies in Poetry	
ENG 333 Studies in Drama	
ENG 334 Studies in Popular Literature	
One of the following courses:	3
ENG 352 Literature in English: Beginnings to 1660	
ENG 353 Literature in English: 1660-1800	
One of the following courses:	3
ENG 354 Literature in English: 1800-1860	
ENG 355 Literature in English: 1860-1914	
ENG 356 Literature in English: 1914-1945	
ENG 357 Literature in English: 1945-Present	
TOTAL	18

English, Technical Communication

The requirements for a minor in English Technical Communication include the satisfactory completion of the following courses for a total of 21 hours:

	<i>Credits</i>
ETC 200 Introduction to Technical Communication	3
EPR 326 Desktop Publishing	3
ETC 408 Technical Editing	3
ETC 420 Technical Documentation and Editing	3
ETC 424 Writing for Digital Environments	3

Plus six hours from the following:		6
ACT	102 Introduction to Web Page Development (3)	
EGT	102 Introduction to Engineering Technology (3)	
ETC	224 Content Design for the Web (3)	
ETC	316 Internship in Technical Communication (2-6)	
GBA	220 Business Communication (3)	
ETC	328 Multimedia Authoring (3)	
ETC	421 Research and Practice in Technical Communication (3)	
EPR	422 Public Relations Writing (3)	
	TOTAL	<hr/> 21

Creative Writing

The requirements for the minor in Creative Writing include the satisfactory completion of the following courses for a total of 18 credits:

		<i>Credits</i>
ENG	220 Introduction to Reading Texts	3
ENG	395 The Making of Contemporary Literature: The Mochila Review	3
ENG	301 Advanced Composition	3
ENG	330 Studies in Fiction	OR
ENG	331 Studies in Poetry	3
ENG	385 Creative Writing: Prose	3
ENG	386 Creative Writing: Poetry	3
	TOTAL	<hr/> 18

French

The requirements for the French minor include the satisfactory completion of seven of the following courses for a total of at least 21 credits:

		<i>Credits</i>
FRE	100 Elementary French I	3
FRE	101 Elementary French II	3
FRE	200 Intermediate French I	3
FRE	211 French for the Professional	3
FRE	307 Summer Study/Travel Program in a French-speaking Country; Oral/Written French	3
FRE	302 Written Expression and Translation	3
FRE	310 Readings in Francophone Culture and Civilization	3
FRE	312 Conversation and Diction	3
FRE	316 Internship in French	1-3
	TOTAL	<hr/> 21

German

The requirements for the minor in German include the satisfactory completion of the following courses for a total of at least 21 credits:

		<i>Credits</i>
GER	100 Elementary German I	3
GER	101 Elementary German II	3
GER	200 Intermediate German I	3
GER	201 Intermediate German II	3
At least nine additional credits to be selected from the following courses:		9

GER	121 Study Abroad in Germany (3)	
GER	151 German Culture and Civilization (3)	
GER	182 German Literature in Translation (3)	
GER	300 Topics in German (3)	
GER	302 Advanced German Grammar (3)	
GER	316 Internship in German (3)	
GER	322 Advanced German Culture (3)	
GER	450 Independent Research/Project (1-5)	
	TOTAL	<hr/> 21

Spanish

The requirements for the minor in Spanish include the satisfactory completion of the following courses for a total of at least 21 credits:

SPA	100	Elementary Spanish I (3)	Credits
SPA	101	Elementary Spanish II (3)	AND
SPA	110	Accelerated Beginning Spanish	OR
SPA	200	Intermediate Spanish I	6
SPA	201	Intermediate Spanish II	3
At least nine additional credits to be selected from the following courses:			3
SPA	211	Spanish for the Professional (3)	9
SPA	310	Spanish Readings (3)	
SPA	250	Interim Program in Spanish Study Abroad: Oral Spanish (3)	
SPA	350	Interim Program in Spanish Study Abroad: Oral Spanish (3)	
SPA	302	Grammar and Composition (3)	
SPA	312	Conversation (3)	
SPA	316	Internship in Spanish (2-6)	
SPA	322	Introduction to Hispanic Civilization & Culture I (3)	
SPA	332	Introduction to Hispanic Civilization & Culture II (3)	
SPA	422	The Literature of Spain (3)	
SPA	432	Selected Studies in Literature in Spanish (3)	
SPA	442	Topics in Spanish (3)	
SPA	452	Advanced Conversation (3)	
TOTAL			<hr/> 21

International Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

TEACHER CERTIFICATION IN ESOL

This certification would allow currently certified teachers and MWSU teacher candidates to be prepared to effectively teach students with a native language other than English. See Department of Education for required courses in Education.

TEACHER CERTIFICATION IN FOREIGN LANGUAGE

State certification to teach foreign language in grades K-12 in Missouri requires 30 credits in the language to be taught or 27 credits plus 2 or more earned units of high school credit in that language in addition to two credit hours of foreign language teaching methodology. State certification to teach foreign language in grades K-9 in Missouri requires 21 credits in the foreign language to be taught or 18 credits plus 2 or more earned units of high school credit in that language.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

ENGLISH COMPOSITION AND LANGUAGE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ENG 100 Introduction to College Writing (3) F, Sp, Su. Instruction in reading and writing; open to any student, but mandatory for those students who have not passed the Writing Placement Examination (WPE) and who have not achieved a score of 19 or higher on the ACT English subtest. Does not fulfill the English composition requirement for baccalaureate and associate degrees. (See class schedule for information about the WPE.)

ENG 104 College Writing and Rhetoric (3) F, Sp, Su. Instruction in reading and writing; emphasizes expository prose. Fulfills first half of the general studies requirement in English composition. Prerequisite: A grade of C or higher in ENG100, or an ACT English score of 19 or higher, or a passing score on the Writing Placement Examination. (See class schedule for information about the WPE.)

ENG 108 College Writing and Research (3) F, Sp, Su. Instruction in college-level research and rhetoric; continued practice in college-level writing. Fulfills second half of the General Studies requirement in English composition. Prerequisite: A grade of C or better in ENG104.

ENG 112 Honors Composition and Rhetoric (3) F. An enriched course on rhetoric, argument, and academic research open to students who achieve superior scores on the Writing Placement Examination (WPE) administered by the Department of English & Modern Languages, or who score 26 or above on the ACT English subtest. This course fulfills the English composition requirement for basic skills in general studies for four-year degree programs. (See class schedule for information about the WPE.)

ENG 232 Language Awareness (3) F, Sp. An introduction to linguistics in which students study and apply principles and theories about the roots, acquisition, nature, and functions of language, including its sounds, structures, and symbols, its relation to speech communities and culture, and its current and future state. Assignments develop analytical skills and promote an understanding and appreciation of linguistic variety. Prerequisite: ENG108 or ENG112.

ENG 283 Introduction to Research Methods in English (1-2) DD. Introduction to basic research methods in English. Individual and team projects involving methods for solving English-related research problems. Prerequisite: Departmental approval.

ENG 301 Advanced Composition (3) F. An advanced expository writing course designed to improve the ability to write clearly and effectively. Explores a variety of structural forms and rhetorical strategies. Required for English majors and minors. Prerequisite: ENG108 or ENG112. LAS Writing.

ENG 314 Technology and Society (3) F, Sp. Participatory course emphasizing a particular problem and/or issue related to technology and society. Class participants will investigate the semester's theme using currently available technologies. Same as BIO314, HUM314, PSY314, PSC314. Prerequisite: Completion of Category One -- Basic Skills General Studies courses.

ENG 316 Internship in English (1-6) F, Sp, Su. Practical application of skills in reading, writing, and analytical thinking at a business concern or agency or working as a writing tutor under the supervision of English faculty or Center for Academic Support professionals (30 clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and departmental approval.

ENG 364 Introduction to Composition Theory (3) DD. Introduction to the basic theories of composition. Prerequisites: Junior standing and credit or concurrent enrollment in ENG301. LAS Ethics.

ENG 385 Creative Writing: Prose (3) F. Intensive study, reading, and practice in the writing of fiction or creative nonfiction. May be repeated for up to 9 credit hours. Prerequisite: ENG108 or ENG112. LAS Writing.

ENG 386 Creative Writing: Poetry (3) Sp. Intensive practice in the writing of poetry. Reading of contemporary poetry. May be repeated for up to 9 credit hours. Prerequisite: ENG108 or ENG112. LAS Writing.

ENG 395 The Making of Contemporary Literature: The Mochila Review (3) F, Sp. Intensive study of contemporary publishing as it evolves in the multi-media age. Students will research both professional and student literary magazines across the nation to determine how various publications operate. Also, students will participate in soliciting, selecting, and editing manuscripts for Canvas and The Mochila Review. Furthermore, students will gain practice in grant writing, layout and design, marketing and promotions, and intensive copy editing. May be repeated for up to 12 credit hours. Prerequisite: ENG210 or ENG220 and either ENG385 or ENG386.

ENG 473 History of the English Language (3) F (even-numbered years). From the development of the Indo-European language family to English as a world language, this course explores the influence of historical and cultural developments, internal changes, and language attitudes on the English language. Students will come to understand how languages begin and why they change, how language is a product of its socio-cultural history, and why there are dialectal differences in the English heard around the world. Prerequisite: Sophomore standing, either ENG232 or ENG108, and one 100-level HIS or HUM course. LAS International/Intercultural.

ENGLISH EDUCATION COURSES

Waiving of any course prerequisites requires prior departmental authorization.

With the exception of ENG403, which may be used as a literature elective above 300, English education courses may not be used to fulfill any requirement for the Bachelor of Arts degree with a major in English.

ENG 365 Teaching Writing in Middle and Secondary Schools (3) DD. Instruction in applying current research on the composing process to the teaching of writing in secondary schools and an examination of problems/issues related to teaching writing in grades 7-12. Prerequisite: ENG108 or ENG112.

ENG 366 Teaching Writing in the Disciplines (3) Sp. Instruction in applying current research on writing instruction and using writing to learn in subjects other than English. Prerequisite: ENG108 or ENG112.

ENG 400 Literature for Adolescents (3) Sp. A study of literature for young adults designed to increase appreciation of the genre through literary evaluation. Students will consider trends in publishing, the issues behind censorship, and the history of literature for young adults. Prerequisite: ENG108 or ENG112 and ENG210 or ENG220. LAS Writing.

ENG 403 Literature for Children (3) F, Sp. A study of literature for children designed to increase appreciation of children's books through literary evaluation. Students will read and evaluate picture books, junior novels and poetry. Prerequisite: ENG108 or ENG112 and ENG 210 or ENG 220.

ENG 465 English Teaching: Methods and Materials (2) F. Techniques, materials, and resources used in the English curriculum in the secondary schools. Prerequisite: ENG365, and credit or concurrent enrollment in both EDU303 and EDU304. LAS Computer Literacy.

ENG 466 Practicum in the Teaching of Writing (1) F. Practical application of teaching writing through participation as student assistant in ENG100 Writer's Workshops. Prerequisite: ENG365. Concurrent enrollment in ENG465 recommended.

ENG 467 Grammar and the Teaching of Grammar (3) F (odd-numbered years). Explores various definitions of grammar, reviews knowledge base required by teachers, demonstrates teaching methods that illustrate current theory and research. Prerequisite: ENG232 or EDU202.

ENGLISH LITERATURE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ENG 210 Approaches to Literature (3) F, Sp, Su. A General Studies course emphasizing ways of reading and writing about multiple genres of literature. Various thematic approaches may be offered. Course may not be repeated for credit.

ENG 220 Introduction to Reading Texts (3) F, Sp. A General Studies course designed primarily for English majors emphasizing ways of reading and writing about literature texts.

ENG 320 Literature of Gender and Ethnicity (3) Sp (odd-numbered years). Considering multi-gender and multi-ethnic texts, the course explores how the literature of diverse and marginalized groups reflect authentic ways of comprehending our world at the same time it challenges readers to examine and appreciate a wider range of literary experience. Prerequisites: ENG108 or ENG112 and ENG220 or departmental approval for non-majors. LAS International/Intercultural.

ENG 321 Literature and Religion (3) F (odd-numbered years). Beginning with the ancient world and ending with electronic texts of the present, the course introduces a variety of religious literatures to explore the connection between religious impulse and literary form and to address profound questions of existence and faith. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS Ethics; LAS International/Intercultural.

ENG 323 Literature and Computers (3) DD. Examining the relationship between computers and literary studies, the course covers topics such as digital media, hyper-text/hypermedia as genre, technology theory, cyber literature, computerized research, programs and programming, and virtual reality. Prerequisites: ENG108 or ENG112 and ENG220 or departmental approval for non-majors. LAS Computer Literacy.

ENG 324 Literature and Science (3) F (even-numbered years). Exploring the place of literature in a scientific age, the course considers the place of science in a responsible, emotionally satisfying, and imaginative conception of the world as well as the impact of scientific knowledge on a literature confronted with rapidly advancing technology. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 325 Literature and the World (3) Sp (even-numbered years). This course introduces students to world literatures in translation and explores diverse literary traditions. It provides students with a broad literary base from which they can examine how various literatures have taken shape, the influence of those literatures on writing in an English-language tradition, and the intertextual role of those literatures in literary studies in English. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 330 Studies in Fiction (3) Sp (odd-numbered years). The course examines literary fiction in its many forms ranging from fables and tales to multi-volume novels, from fictional biography to faction. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 331 Studies in Poetry (3) Sp (even-numbered years). The course explores poetry in its many guises from the sweep of the epic poem to the compression of the haiku. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 333 Studies in Drama (3) F (even-numbered years). The course studies dramatic literature from the catharsis of Greek theater to the edginess of contemporary experimental films and plays. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 334 Studies in Popular Literature (3) F (odd-numbered years). This course focuses on the popular genres, such as science fiction, the mystery, the western and the romance in fiction, film, and nonfiction. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 340 Literary Theory (3) Sp. The course explores theories of literature, examining ways of thinking about literature which are representative of major epistemological, metaphysical, and aesthetic vantage points. Students will apply diverse theories to develop a practical critical vocabulary and to enrich analytic and interpretive strategies. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 341 Shakespeare (3) F. Examines William Shakespeare's works and life as well as his impact on modern culture. Emphasis will be given to the varied staging and theatrical interpretations of his plays, including live performance, film, and operatic adaptations of the works of an author who has been called "the inventor of the human." Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 352 Literature in English: Beginnings to 1660 (3) Sp (odd-numbered years). Witnesses the birth of literature in English and the artistic, cultural, and intellectual ferment of the Renaissance, covers material from Beowulf through Milton. Prerequisites: ENG108 or ENG112 and ENG220, or consent of department for non-majors.

ENG 353 Literature in English: 1660 - 1800 (3) Sp (even-numbered years). Covers the age of satire to the age of reason, as literature struggles to define the "human" in an age of political upheaval, geographical exploration, and enormous change. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors.

ENG 354 Literature in English: 1800-1860 (3) Sp (odd-numbered years). From poetic romantic landscapes to realistic urban narratives through matchmaking comedies of manners and tales of Gothic horror, the course covers a literature responding to bloody revolutions, rapid industrialization, and unsettling scientific discoveries. Emphasis is on British and American writers, but selections from other literatures in English will be included. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 355 Literature in English: 1860-1914 (3) F (odd-numbered years). From tall tales of the American West to novels exploring the moral dimensions of colonialism through the multi-voiced poetry of Browning and the emerging voices of black, native American, and colonized peoples, the course covers literature responding to an age of scientific discovery, religious revival and the creation of the modern world. Emphasis is on British and American writers, but selections from other literatures in English will be included. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 356 Literature in English: 1914-1945 (3) Sp (even-numbered years). From two World Wars, the Russian Revolution and a worldwide Depression, a modern world emerged in which beliefs in reason, progress, and social unity were challenged. Writers responded in new forms reflecting society's increasing skepticism, uncertainty, and alienation. Emphasis is on British and American writers, but selections from other literatures in English will be included. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 357 Literature in English: 1945-Present (3) F (even-numbered years). From poetry reacting to the horrors of the Holocaust to fiction produced by a global perspective and the approach of the millennium, the course explores literature of the moment as it attempts to understand this new (anti)period claiming to be an end to literary history. Emphasis is on British and American writers, but selections from other literatures in English will be included. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. LAS International/Intercultural.

ENG 361 Literature on Site (3) DD. This course combines classroom and on-site experience at a place of literary merit. The place and theme will change, typical topics include: "Literary Boston," "Literature of Native America," "Dublin and Her Authors," "The American Writer in London." Travel expenses are in addition to students' tuition. Prerequisites: ENG108 or ENG112 and ENG220, or departmental approval for non-majors. May be repeated for credit. LAS International/Intercultural.

ENG 410 Selected Studies in Literary Genre (3) Sp (odd-numbered years). A detailed examination of a specific genre of literature; focus will change each time the course is offered. Representative topics: "Utopian-Dystopian Fiction," "Shakespeare's Tragedies," "The Literature of Fantasy," "Graveyard Poetry." May be repeated for credit as topics change. Prerequisites: Junior standing and ENG220, or departmental approval for non-majors. LAS Ethics.

ENG 430 Selected Studies in Literary Theme (3) Sp (even-numbered years). A detailed examination of a specific theme in literature; focus will change each time the course is offered. Representative topics: "Contrasting Perspectives: American Folktales and Native American Narratives," "Anonymity, Pseudonymity, and Women's Literary Production." May be repeated for credit as topics change. Prerequisites: Junior standing and ENG220, or departmental approval for non-majors. LAS Ethics.

ENG 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared English major, a minimum of 2.5 GPA in major field, and departmental approval.

ENG 460 Selected Studies in Literary Period or Movement (3) F (even-numbered years). An in-depth study of a literary period or movement; focus will change each time the course is offered. Representative topics: "The Harlem Renaissance," "Literature in English: The Year 1859," "Literature Comprehends the French Revolution," "Print Revolutions: Caxton and Cyberspace." May be repeated for credit as topics change. Prerequisites: Junior standing and ENG220, or departmental approval for non-majors. LAS Ethics.

ENG 480 Selected Studies in Literary Authority (3) F (odd-numbered years). A detailed examination of a specific site of literary production; focus will change each time the course is offered. Representative topics: "Jane Austen and Her Novels," "African-American Slave Narratives," "John Murray and the Publication of the British Romantics." May be repeated for credit as topics change. Prerequisites: Junior standing and ENG220, or departmental approval for non-majors. LAS Ethics.

ENGLISH PUBLIC RELATIONS COURSES

Waiving of any course prerequisites requires prior departmental authorization.

EPR 316 Internship in Public Relations (2-6) F, Sp, Su. Practical application of public relations skills in a professional setting; correlates academic preparation with supervision in a work experience (thirty clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior standing (3) and departmental approval.

EPR 326 Desktop Publishing (3) Sp. A computer workshop course involving graphic design and production of attractive and effective advertisements, brochures, newsletters, and magazine spreads. The course will provide instruction in design software and computer peripherals such as electronic scanners and digital photography. LAS Computer Literacy.

EPR 401 Senior Portfolio (1) F, Sp. Workshop class for graduating seniors which includes resume and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, and writings from major courses. Required for the BA/English Public Relations majors. Must be completed during the semester of graduation, except for summer graduates, who must complete the course in the spring semester prior to graduation. Graded pass/fail.

EPR 422 Public Relations Writing (3) Sp. This workshop course emphasizes audience analysis, writing, editing, and producing public relations documents. Where possible, students will complete practical hands-on projects that reflect theoretical foundations presented in COM415. Prerequisites: JOU202, EPR326, and COM415, or departmental approval. LAS Writing; LAS Computer Literacy.

ENGLISH TECHNICAL COMMUNICATION COURSES

Waiving of any course prerequisites requires prior departmental authorization.

ETC 200 Introduction to Technical Communication (3) F. Workshop in technical style emphasizing shorter forms of technical writing. Students are introduced to desktop capabilities—graphics, style, format, and layout. They will also apply appropriate software for completing work professionally. All work evolves through a flexible, recursive process. Prerequisite: ENG108 or ENG112. LAS Ethics; LAS Computer Literacy.

ETC 224 Content Design for the Web (3) F. Students will learn the elements of effective writing for screen-based textual content in internet and intranet environments, using HTML and appropriate software to create both personal and professional Web sites to gain valuable hands-on experience. Introduces overview of context provider issues, including usability, intellectual property, security, access, database content language, writing and design. Same as JOU224. Prerequisite: ENG104.

ETC 316 Internship in Technical Communication (2-6) F, Sp, Su. Practical application of technical and organizational communication skills in a professional setting; correlates academic preparation with supervision in a work experience (thirty clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and departmental approval.

ETC 328 Multimedia Authoring (3) Sp (odd-numbered years). An advanced class which outlines the history, principles and theories of multimedia. This course examines how elements of text, sound, video, animations and graphics work together to produce electronic products for the Web, CD/DVD and other distribution formats. Students learn appropriate multimedia software to create individual or small group multimedia projects. Same as JOU328.

ETC 401 Senior Portfolio (1) F, Sp. Workshop class for graduating seniors which includes resume and job search preparation in addition to compiling a passing graduation portfolio consisting of a resume, cover letter, and writings from majors courses. Required for the BA English/Technical Communication major. Same as JOU401. Graded pass/fail. Prerequisite: Must be completed during the semester of graduation, except for summer graduates, who must complete the course in the spring semester prior to graduation.

ETC 408 Technical Editing (3) F (odd-numbered years). Emphasis on the role of the editor in organizational settings, including creating successful writer/editor collaboration. Practice in editing documents for grammar, syntax, organization, style, emphasis, document design, graphics, and user-centered design. Introduction to technology for creating, publishing, and distributing technical documents.

ETC 420 Technical Documentation (3) Sp (odd-numbered years). Workshop-oriented practice in producing and editing a variety of procedural documents as well as creation and management of multiple texts and texts from multiple authors. Discussion of the role of technical writers in adapting texts for discourse communities and of current issues in technical writing. Prerequisite: ETC200.

ETC 421 Research and Practice in Technical Communication (3) Sp (even-numbered years). An interdisciplinary perspective applying cultural studies, ethnography, critical linguistics, stylistics, discourse analysis and media studies to technical and professional fields. Includes issues for writing for the global marketplace such as writing for translation and designing materials to comply with conventions and expectations of other cultures. Prerequisite: ETC200. LAS International/Intercultural.

ETC 424 Writing for Digital Environments (3) Sp (even-numbered years). Study of communication assignments likely to be encountered by those creating documentation for access through a variety of digital platforms such as on-line Help, e-books, and mobile applications. Topics will include current issues such as a computer-mediated communication, information design, usability, and single sourcing. Prerequisites: ENG108 or ENG112 and ETC200. LAS Writing; LAS Computer Literacy.

ETC 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared English Technical Communication major, a minimum of 2.5 GPA in major field, and departmental approval.

FOREIGN LANGUAGES COURSES

A student with extensive background in a language is encouraged to attempt credit by examination. Two years of high school study in a language should provide background for testing out of the first-semester course, and three to four years of study should enable the student to test out of the second course.

Students whose high school transcripts show three or more years of French, German, or Spanish (with grades of C or better, and within three years of the semester in question) should attempt the placement exam because they will receive audit credit only should they enroll in the beginning French, German or Spanish course (FRE/GER/SPA100).

FRENCH COURSES

Waiving of any course prerequisites requires prior departmental authorization.

FRE 100 Elementary French I (3) F. Beginning study of French language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities, using primarily the present tense. Students whose high school transcripts show three or more years of French (with a grade of C or better, and within three years of the semester in question) should attempt the placement exam because they will receive audit credit only should they enroll in this course.

FRE 101 Elementary French II (3) Sp. Continued study of French language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in FRE100.

FRE 200 Intermediate French I (3) F. Through classroom interaction, students develop oral and written skills needed for practical and daily-life situations; study linguistic structures and functions needed to ask questions, compare, contrast, and describe; develop reading skills and expand vocabulary; and increase cultural awareness of the French-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in FRE101 or departmental approval.

FRE 201 Intermediate French II (3) Sp. Through classroom interaction, students further develop oral and written skills needed for practical daily-life situations; study in greater depth linguistic structures and functions needed to ask questions, narrate in three tenses, compare and contrast, describe; build reading skills and expand vocabulary; and increase cultural awareness of the French-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in FRE200 or departmental approval.

FRE 206 Summer Study/Travel Program in France: Field Work in Paris and Surrounding Area (1-4) Su. One week of total immersion in French in Paris and its environs. Required guided visits to museums and historical sites; side trips to Versailles, Giverny and other locales. Conversation and guided visits at the early intermediate level; readings and paper in English. Students enrolling for 2-4 credit hours will complete preparatory coursework (15 contact hours for each hour of credit) on campus before traveling to France. Prerequisite: FRE101 or two years of high school French. LAS International/Intercultural.

FRE 207 Summer Study/Travel Program in a French-speaking Country: Oral and Written French (3) Su. A three-week intensive study in French language at the early-intermediate level taught by instructors at a designated French language institute, including course work and directed cultural activities. A special fee is assessed for this class. Deadline for application is March 1. Prerequisite: FRE101 or two years of high school French. LAS Writing; LAS International/Intercultural.

FRE 211 French for the Professional (3) DD. A pragmatic approach to the continued development of the skills of listening, reading, writing, and speaking in French, as well as concentrating on increased awareness of French customs and culture. This course is recommended for students pursuing a business major, as well as those who want to acquire more confidence in practical use of French. Prerequisite: FRE200 or equivalent.

FRE 301 Methods in Teaching Foreign Language (3) DD. Techniques, materials, and methodology to be used in teaching foreign language. Same course as GER301 and SPA301. Prerequisites: Junior standing and FRE201.

FRE 302 Written Expression and Translation (3) F. A course in advanced grammatical constructions as seen in professional writing, i.e. correspondence, reports, and proposals. Also regular written assignments using field-specific terminology and formats. Prerequisite: FRE201 or FRE211. LAS Computer Literacy.

FRE 306 Summer Study/Travel Program In France: Field Work in Paris and Surrounding Area (1-4) Su. One week of total immersion in French in Paris and its environs. Required guided visits to museums and historical sites; side trips to Versailles, Giverny and other locales. Conversation and guided visits, at the early intermediate level; readings and paper in English. Students enrolling for 2-4 credit hours will complete preparatory coursework (15 contact hours for each hour of credit) on campus before traveling to France. Prerequisite: FRE201 or four years of high school French. LAS International/Intercultural.

FRE 307 Summer Study/Travel Program in a French-speaking Country: Oral and Written French (3) Su. A three-week intensive study in French language at the advanced level taught by instructors at a French language institute, including course work and directed cultural activities. A special fee is assessed for this class. Deadline for application is March 1. Prerequisite: FRE201 or four years of high school French. LAS Writing; LAS International/Intercultural.

FRE 310 Readings in Francophone Culture and Civilization (3) Sp. Reading and analysis of French and Francophone texts from a variety of genres and periods. Prerequisite: FRE200.

FRE 312 Conversation and Diction (3) Sp. Solidifies and/or develops students' oral proficiency within a variety of conversational contexts and registers, with emphasis on correct pronunciation. Prerequisite: FRE201 or department approval.

FRE 316 Internship in French (2-6) F, Sp, Su. Practical application of skills in speaking, reading, writing in French at a business or agency under the supervision of French faculty (30 clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and department approval.

FRE 322 Contemporary French Society (3) Sp (even-numbered years). A study of French culture and society in the 20th century. The course emphasizes connections between historic and economic development and social and familial traditions. Prerequisite: FRE302 and FRE310. LAS Ethics; LAS International/Intercultural.

FRE 340 Extended Study Abroad (12-15) F, Sp. A semester-long study at a university in a French-speaking country, to be selected in consultation with the foreign language advisor. Student enrolls in 12-15 credit hours of intensive French language and other approved academic courses. Credits will be eligible for substitution of required major courses upon the student's return. A special fee is assessed for this class. Prerequisites: FRE201 and departmental approval. LAS International/Intercultural.

FRE 403 Advanced Business French (3) F (odd-numbered years). A course devoted to developing and perfecting highly advanced language skills through the study of special topics in the French and francophone business worlds. Emphasis on mastery of specialized French for professional settings. Prerequisites: FRE302 and FRE310.

FRE 422 Introduction to French Culture, Civilization and Literature I (3) F (even-numbered years). A study of French society, art, and literature from medieval times through the enlightenment. The course emphasizes connections between historical development and artistic expression. Prerequisites: FRE302 and FRE310. LAS Writing.

FRE 432 Introduction to French Culture, Civilization and Literature II (3) Sp (even-numbered years). A study of French society, art, and literature from during the 18th and 19th centuries. The course emphasizes connections between historical development and artistic expression. Prerequisites: FRE302 and FRE310. LAS Ethics.

FRE 442 Introduction to French Culture, Civilization and Literature III (3) Sp (odd-numbered years). A study of contemporary French and Francophone society, art, and literature. The course emphasizes connections between historical development and artistic expression. Prerequisites: FRE302 and FRE310. LAS Writing.

FRE 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared French major, a minimum of 2.5 GPA in major field, and departmental approval.

FRE 452 Advanced Oral Communication in a Professional Environment (3) F. Students will develop functional use of French with appropriate technical vocabulary and structures for a variety of professional contexts. Prerequisite: at least 15 credits at the 300-400 levels.

FRE 462 Senior Thesis (1) F, Sp. Students will learn how to develop a research topic, conduct research using resources in the target language, and synthesize their findings. The final product is a research paper in the target language in which students demonstrate the ability to conduct research, apply a critical perspective, and defend their thesis in a written format (10-15 pages). The course will require individual meetings between student and professor, at the professor's discretion. Students will present their thesis in a public forum at the end of the semester. Graded pass/fail. Prerequisite: Must be completed during the semester of graduation, except for summer graduates, who must complete the course in the spring semester prior to graduation.

GERMAN COURSES

Waiving of any course prerequisites requires prior departmental authorization.

GER 100 Elementary German I (3) F. Beginning study of German language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities, using primarily the present tense. Students whose high school transcripts show three or more years of German (with a grade of C or better, and within three years of the semester in question) should attempt the placement exam because they will receive audit credit only should they enroll in this course.

GER 101 Elementary German II (3) Sp. Continued study of German language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in GER100.

GER 121 Study Abroad in Germany (3) DD. A course which promotes an increased awareness of German customs and culture through travel and study in the German-speaking nations. This course is recommended to students who want to experience first-hand how Germans live and work in a native setting, and particularly to those who wish to obtain the German minor or the BIS degree with a German concentration. Credit or concurrent enrollment in GER100 and/or GER101 is recommended but not required. May be repeated for credit (with departmental approval).

GER 151 German Culture and Civilization (3) DD. An English-language course designed to reflect the importance of German culture and society to European and world intellectual development. Primary emphasis will be given to German artistic and social progress, and the extent to which it has influenced the direction of the German nation as well as other countries. Topics will vary by semester and shall represent significant intervals in German societal development (e.g. The origins of German Culture and Thought; German Culture and Civilization from the Reformation to Unification; Modern Civilization and the German Nation State(s)). May be repeated for a maximum of 6 credit hours (with departmental approval).

GER 182 German Literature in Translation (3) DD. An English-language course designed to reflect the contributions of German writers to the European and world literary canon. Focus will be given to important German authors and their masterworks, relative to the literary genres within which these works are classified. May be repeated for credit (with departmental approval).

GER 200 Intermediate German I (3) F. Through classroom interaction, students develop oral and written skills needed for practical and daily-life situations; study linguistic structures and functions needed to ask questions, compare, contrast, and describe; develop reading skills and expand vocabulary; and increase cultural awareness of the German-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in GER101.

GER 201 Intermediate German II (3) Sp. Through classroom interaction, students further develop oral and written skills needed for practical and daily-life situations; study in greater depth linguistic structures and functions needed to ask questions, narrate in three tenses, compare and contrast, describe; build reading skills and expand vocabulary; and increase cultural awareness of the German-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in GER200.

GER 211 German for the Professional (3) DD. A pragmatic approach to the continued development of the skills of listening, reading, writing, and speaking in German, as well as concentrating on increased awareness of German customs and culture. This course is recommended for students pursuing a business major, as well as those who want to acquire more confidence in practical use of German. Prerequisite: GER200.

GER 300 Topics in German (3) DD. Advanced course in German literature, language, or culture. Topics will vary from semester to semester. May be repeated for credit (with departmental approval). Prerequisite: GER201 or departmental approval.

GER 301 Methods in Teaching Foreign Language (3) DD. Techniques, materials, and methodology to be used in teaching foreign language. Same course as FRE301 and SPA301. Prerequisites: Junior standing and GER201.

GER 302 Advanced German Grammar (3) DD. Extended study of the most advanced German grammatical concepts and structures. This course is particularly recommended for those students who declare the German minor or BIS with a German concentration as part of their degree work, and for others who seek extended exposure to complex grammar applications in preparation for use of the German language at a native or near-native level. Prerequisite: GER201 or departmental approval.

GER 316 Internship in German (2-6) F, Sp, Su. Practical application of skills in speaking, reading, writing in German at a business or agency under the supervision of German faculty (30 clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and department approval.

GER 322 Advanced German Culture (3) DD. Extended study of complex cultural issues which have shaped the German-speaking nations into the twenty-first century. This course is particularly recommended for those students who declare the German minor or BIS with a German concentration as part of their degree work. Prerequisite: GER201 or departmental approval.

GER 340 Extended Study Abroad (12-15) F, Sp. A semester-long study at a university in a German-speaking country, to be selected in consultation with the foreign language advisor. Student enrolls in 12-15 credit hours of intensive German language and other approved academic courses. Credits will be eligible for substitution of required minor or BIS concentration courses upon the student's return. A special fee is assessed for this class. Prerequisites: GER101 and departmental approval. LAS International/ Intercultural.

GER 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared German major, a minimum of 2.5 GPA in major field, and departmental approval.

SPANISH COURSES

Waiving of any course prerequisites requires prior departmental authorization.

SPA 100 Elementary Spanish I (3) F. Beginning study of Spanish language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities, using primarily the present tense. Students whose high school transcripts show three or more years of Spanish (with a grade of C or better, and within three years of the semester in question) should attempt the placement exam because they will receive audit credit only should they enroll in this course.

SPA 101 Elementary Spanish II (3) Sp. Continued study of Spanish language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in SPA100.

SPA 110 Accelerated Beginning Spanish (6) DD. Covers the material of SPA100 and SPA101 in one accelerated semester. Intended for students who know some Spanish (i.e. two to three semesters in high school) but do not have skills adequate for 200-level courses. Equivalent to SPA100 and 101 when both courses are taken. Not open to any student who has credit for SPA100. Prerequisite: departmental approval.

SPA 116 Elementary Spanish Review and Conversation (1) Sp. Review, conversation, and continuation of SPA101, intended for students who cannot continue their Spanish study until the fall semester. Prerequisite: SPA101.

SPA 200 Intermediate Spanish I (3) F. Through classroom interaction, students develop oral and written skills needed for practical and daily-life situations; study linguistic structures and functions needed to ask questions, compare, contrast, and describe; develop reading skills and expand vocabulary; and increase cultural awareness of the Spanish-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in SPA101.

SPA 201 Intermediate Spanish II (3) Sp. Through classroom interaction, students further develop oral and written skills needed for practical and daily-life situations; study in greater depth linguistic structures and functions needed to ask questions, narrate in three tenses, compare and contrast, describe; build reading skills and expand vocabulary; and increase cultural awareness of the Spanish-speaking world. Students must earn a minimum of grade C in order to continue in sequenced languages courses. Prerequisite: A grade of C or better in SPA200.

SPA 211 Spanish for the Professional (3) (DD). A pragmatic approach to the continued development of the skills of listening, reading, writing, and speaking in Spanish, as well as concentrating on increased awareness of Spanish customs and culture. The topic will vary with each offering, including the following settings: business, health care, legal, social services, tourism. Will fulfill major requirement only with departmental approval. Prerequisite: SPA200 or equivalent.

SPA 248 Preparatory Course for Interim Program Spanish Studies Abroad (2) Su. An introduction to Hispanic history and contemporary Hispanic society. Lecture and discussion are in Spanish; readings are in English. A special fee is assessed for this class. Deadline for application is April 15. Prerequisite: Credit or concurrent enrollment in SPA101 or two years of high school Spanish. LAS International/Intercultural.

SPA 250 Interim Program in Spanish Studies Abroad: Oral Spanish (3) Su. An intensive three-week intermediate level skills course in spoken Spanish given in a Spanish-speaking country. A special fee is assessed for this class. Deadline for application is March 1. Prerequisite: SPA101 or two years of high school Spanish. LAS International/Intercultural.

SPA 301 Methods in Teaching Foreign Language (3) DD. Techniques, materials, and methodology to be used in teaching foreign language. Same course as FRE301 and GER301. Prerequisites: Junior standing and SPA201 or SPA211.

SPA 302 Grammar and Composition (3) F. A course in advanced grammatical constructions and writing of compositions. Original texts introducing different genres will be read and discussed. Prerequisite: SPA201 or equivalent. LAS Writing.

SPA 310 Spanish Readings (3) Sp. Reading and analysis of Spanish and Latin-American texts from a variety of genres and periods. Prerequisite: Credit or concurrent enrollment in SPA201.

SPA 312 Conversation (3) Sp. Solidifies and/or develops students' oral proficiency within a variety of conversational contexts and registers, and a study of the Spanish sound system. Prerequisite: SPA201 or departmental approval.

SPA 315 Spanish for Heritage Speakers (3) DD. A course that emphasizes correct usage of grammar and vocabulary for native/heritage speakers of the Spanish language. Content is similar to that of SPA302 Grammar and Composition, but focuses on strengthening Spanish for academic purposes. Prerequisite: SPA201 or its equivalent and departmental approval. LAS writing.

SPA 316 Internship in Spanish (2-6) F, Sp, Su. Practical application skills in speaking, reading, writing in Spanish at a business concern or agency under the supervision of Spanish faculty (30 clock hours of work for each hour of credit). May be repeated for a total of 12 credit hours. Prerequisites: Junior or senior standing and departmental approval.

SPA 322 Introduction to Hispanic Civilization and Culture I (3) F. A study of Hispanic society and culture. The course emphasizes connections between historical development and artistic expression. Prerequisites: SPA201 and SPA310, or department approval. LAS Ethics; LAS International/Intercultural.

SPA 332 Introduction to Hispanic Civilization and Culture II (3) Sp. A study of Hispanic society and culture. The course emphasizes connections between historical development and artistic expression. Recommended as a complementary course to SPA322. Prerequisites: SPA201 and SPA310. LAS Computer Literacy; LAS International/Intercultural.

SPA 340 Extended Study Abroad (12-15) F, Sp. A semester-long study at a university in a Spanish-speaking country, to be selected in consultation with the foreign language advisor. Student enrolls in 12-15 credit hours of intensive Spanish language and other approved academic courses. Credits will be eligible for substitution of required major courses upon the student's return. A special fee is assessed for this class. Prerequisite: SPA201 or equivalent and departmental approval. LAS International/Intercultural.

SPA 348 Preparatory Course for Interim Program in Spanish Studies Abroad (2) Su. An introduction to Hispanic history and contemporary Hispanic society. Lecture, discussion and readings are in Spanish. A special fee is assessed for this class. Deadline for application is April 15. Prerequisite: Credit or concurrent enrollment in SPA201 or four years of high school Spanish. LAS International/Intercultural.

SPA 350 Interim Program in Spanish Studies Abroad: Oral Spanish (3) Su. An intensive three-week advanced level skills course in spoken Spanish in a Spanish-speaking country. A special fee is assessed for this class. Deadline for application is March 1. Prerequisite: SPA201 or four years of high school Spanish. LAS International/Intercultural.

SPA 422 The Literature of Spain (3) Sp. A study of masterworks of Spanish literature from a range of periods and a variety of genres. Prerequisites: SPA302 and SPA310, or departmental approval. LAS International/Intercultural.

SPA 432 Selected Studies in Literature in Spanish (3) F. A course on topics pertaining to literature written in Spanish-speaking nations. Representative topics include "Survey of Latin-American Literature," "Latin-American Poetry," "Latin-American Prose," "Nineteenth Century Spanish Literature," "Twentieth Century Spanish Literature." Prerequisite: SPA302 and SPA310, or departmental approval. LAS International/Intercultural.

SPA 442 Topics in Spanish (3) DD. Advanced course in the literature, language, or culture of Spanish-speaking countries. Topics will vary. May be repeated for credit (under a new topic with departmental consent). Prerequisite: SPA302 and SPA310.

SPA 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared Spanish major, a minimum 2.5 GPA in major field, and departmental approval.

SPA 452 Advanced Conversation (3) F. Students will practice conversational skills and speak Spanish in a variety of contexts and content areas. Prerequisite: at least 15 credits at the 300-400 levels.

SPA 462 Senior Thesis (1) F, Sp. Students will learn how to develop a research topic, conduct research using resources in the target language, and synthesize their findings. The final product is a research paper in the target language in which students demonstrate the ability to conduct research, apply a critical perspective, and defend their thesis in a written format (10-15 pages). The course will require individual meetings between student and professor, at the professor's discretion. Students will present their thesis in a public forum at the end of the semester. Graded pass/fail. Prerequisite: Must be completed during the semester of graduation, except for summer graduates, who must complete the course in the spring semester prior to graduation.

CHINESE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

CHI 100 Elementary Chinese I (3) F, Sp. Beginning study of Chinese language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities.

CHI 101 Elementary Chinese II (3) F, Sp. Continued study of Chinese language and culture, including speaking, listening, reading and writing. Focus on topics of personal interest and activities. Students must earn a minimum grade of C in order to continue in sequenced language courses. Prerequisite: A grade of C or better in CHI100.

CHI 200 Intermediate Chinese I (3) F, Sp. Through classroom interaction, students develop oral and written skills needed for practical and daily-life situations; study linguistic structures and functions needed to ask questions, compare, contrast, and describe; develop reading skills and expand vocabulary; and increase cultural awareness of the Chinese-speaking world. Students must earn a minimum grade of C in order to continue in sequenced language courses. Prerequisite: A grade of C or better in CHI101.

CHI 201 Intermediate Chinese II (3) F, Sp. Through classroom interaction, students further develop oral and written skills needed for practical and daily-life situations; study in greater depth linguistic structures and functions needed to ask questions, narrate, compare, contrast, and describe; build reading skills and expand vocabulary; and increase cultural awareness of the Chinese-speaking world. Prerequisite: A grade of C or better in CHI200.

READING COURSES

Waiving of any course prerequisites requires prior departmental authorization.

RDG 095 Reading Skills Improvement (3) F, Sp, Su. Reading Skills Improvement is designed for students who need to improve their understanding of written expression. The focus of the course is on higher-level comprehension and vocabulary skills. Students use a weekly news magazine to apply and practice skills learned in the class and to provide a background for written assignments. This course is required for all students who have not achieved a score of 19 or higher on the ACT reading subscore or who score less than 72 on the Accuplacer Reading Test.

RDG 100 College Reading Skills (3) F, Sp. In this advanced elective course, designed for students to further improve their reading, students will develop critical reading skills, expand background knowledge through reading, increase vocabulary, develop flexible reading techniques, and improve study and writing skills. Students use National Geographic and Atlantic Monthly (or other like magazines), or one of these magazines and the textbook in a first-year course linked to RDG100, to apply and practice skills learned in the class and to provide a background for written assignments and class discussions. Prerequisite: RDG095, or ACT reading score of 19 or higher, or Accuplacer Reading Test score of 72 or higher.

Department of History and Geography

Dr. Steven Greiert, *Chairperson*

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The history faculty is committed to developing a historical consciousness in our students. The study of history helps students understand the origins, course, and consequences of the major political, economic, social, and cultural changes in history and relate these changes to the continuing course of history today. Expanding the realm of students' experience beyond the limits imposed by their own life span and mobility is vital. The study of history allows students to perceive a greater range of alternatives and possibilities in life's decisions made by people in different times and places. Students who major in History usually prepare for careers in teaching, government, law, or business.

Geography is the study of how humans spatially interact with the physical environment. Geographers seek to describe, relate, and explain the natural and cultural phenomena that distinguish places around the world. Studying geography increases students' ability to analyze complex situations, events, trends, and draw logical inferences from them. Geography often functions as a bridge between the natural sciences and the social science. Its perspective on the location of phenomena makes it unique among the academic disciplines. Geographers integrate information from other disciplines with their own research to provide a spatial understanding of the world. Geographers work in business, environmental research, climatology, meteorology, cartography, GIS/GPS, and elementary, secondary, and higher education.

BACHELOR OF ARTS DEGREE PROGRAMS

MAJORS IN HISTORY

B.A. Degree in History - Admission to the Major

Students desiring this major should declare their interest to the chairperson of the Department of History and Geography so that they can be assigned History faculty advisors. Applicants must have a minimum GPA of 2.0 to declare this major.

Degree Requirements

Courses in history must total 35 credits (including HIS290), with an additional 12 credits required in supporting areas. A minor is optional. HIS365 does not meet the requirements for history course work in this major. The B.A. requires at least 12 credits in a single foreign language. Students cannot advance to upper-level courses unless they have earned a grade of C or better in HIS290. In order to graduate with this degree, students must earn a grade of C or better in all courses taken in the major and all language courses taken. In order to graduate students must earn a grade of C or better in all HIS courses, including those not used as major courses.

			<i>Credits</i>
HIS	140	American History to 1865	3
HIS	150	American History since 1865	3
HIS	200	Ancient and Medieval Civilization	3
HIS	210	Early Modern Civilization	3
HIS	230	Modern Europe: 1789 to the Present	3
HIS	290	The Historian's Craft	2

HIS 330	Recent United States History	OR
HIS 340	Recent European History	3
PSC 101	American National Government	3
SOC 110	General Sociology	3
GEO 100	World Geography	3
PHL 219	Logic	3
PLUS 15 additional credits in History with 12 credits numbered 300 or higher (excluding HIS365)		<u>15</u>
TOTAL		47

B.A. Degree in History with Teacher Certification

Admission to the Major

Students desiring this major should declare their interest to the chairperson of the Department of History and Geography so that they can be assigned History faculty advisors. Applicants must have a minimum GPA of 2.75 and a major GPA of 3.0 to declare this major. They also must have completed the following courses before their major applications will be considered: HIS140 or 150; HIS200, 210 or 230; ENG104 - with a grade of C or higher in each.

Degree Requirements

Courses in history must total 40 credits (including HIS290 and HIS365). This degree also requires a 27-credit cognate of teaching courses in the Department of Education. A minor is optional. The B.A. requires at least 12 credits in a single foreign language. Students must earn a grade of C or better in all courses taken in the major (including HIS290 and HIS365), the cognate, and all language courses taken. Otherwise, they will not be approved by the history faculty for junior teaching experience or for senior teaching experience, nor will they be permitted to graduate with this degree. In order to graduate students must earn a grade of C or better in all HIS courses, including those not used as major courses.

		<i>Credits</i>
HIS 140	American History to 1865	3
HIS 150	American History since 1865	3
HIS 200	Ancient and Medieval Civilization	3
HIS 210	Early Modern Civilization	3
HIS 230	Modern Europe: 1789 to the Present	3
HIS 290	The Historian's Craft	2
HIS 330	Recent United States History	OR
HIS 340	Recent European History	3
HIS 365	Methods of Teaching Social Studies	5
PSC 101	American National Government	3
PSC 110	American State and Local Government	3
SOC 110	Introduction to Sociology	3
GEO 100	World Geography	3
ECO 101	Current Issues in the Economy	OR
ECO 260	Principles of Macroeconomics	3
PHL 219	Logic	3
SOC xxx	3 additional credits in Sociology	3
Plus 15 additional credits in History with 12 credits numbered 300 or higher		15
Plus 3 additional credits in Geography, Political Science, or Sociology		<u>3</u>
TOTAL		64

MAJOR IN INTERNATIONAL STUDIES

Refer to the Interdepartmental Studies catalog section for specific requirements.

BACHELOR OF SCIENCE DEGREE PROGRAMS

MAJORS IN HISTORY

B.S. Degree in History - Admission to the Major

Students desiring this major should declare their interest to the chairperson of the Department of History and Geography so that they can be assigned History faculty advisors. Applicants must have a minimum GPA of 2.0 to declare this major.

Degree Requirements

Courses in history must total 35 credits (including HIS290), with an additional 12 credits required in supporting areas. Course work for the required 18-credit minor should be worked out with the student's faculty advisor. HIS365 does not meet the requirements for history course work in this major. Students cannot advance to upper-level courses unless they have earned a grade of C or better in HIS290. In order to graduate with this degree, students must earn a grade of C or better in all courses taken in the major. In order to graduate students must earn a grade of C or better in all HIS courses, including those not used as major courses. This degree does not have a foreign language requirement. See B.A. Degree in History course work.

B.S. Degree in History with Teacher Certification

Admission to the Major

Students desiring this major should declare their interest to the chairperson of the Department of History and Geography so that they can be assigned History faculty advisors. Applicants must meet the same admission requirements as those for the B.A. in History with Teacher Certification.

Degree Requirements

Courses in history must total 40 credits (including HIS290 and HIS365). This degree also requires a 27-credit cognate of teaching courses in the Department of Education. A minor is optional. This degree does not have a foreign language requirement. Students must earn a grade of C or better in all courses taken in the major (including HIS290 and HIS365) and the cognate. In order to graduate students must earn a grade of C or better in all HIS courses, including those not used as major courses. Otherwise, they will not be approved by the history faculty for junior teaching experience or for senior teaching experience, nor will they be permitted to graduate with this degree. Teacher education students must complete the General Studies requirements as listed under Secondary Education. See B.A. Degree in History with Teacher Certification course work.

MINORS

Geography Requirements

GEO	100	World Geography	<i>Credits</i>
			3
GEO	160	Physical Geography	4
GEO	210	Geography of the United States and Canada	3
GEO	250	Introduction to GIS	4
GEO	320	Geography of Europe	3
GEO	330	Economic Geography	OR
GEO	340	Sustainable Energy	3
		TOTAL	20

History**United States History Option****Requirements**

			<i>Credits</i>
HIS	140	American History to 1865	3
HIS	150	American History since 1865	3
HIS	290	The Historian's Craft	2
HIS	300	American Colonial History	3
HIS	330	Recent United States History	3
HIS	xxx	History courses numbered 300 or higher	6
TOTAL			20

European History Option**Requirements**

			<i>Credits</i>
HIS	200	Ancient and Medieval Civilization	3
HIS	210	Early Modern Civilization	3
HIS	230	Modern Europe: 1789 to the Present	3
HIS	290	The Historian's Craft	2
HIS	320	English History II	OR
HIS	340	Recent European History	3
HIS	xxx	History courses numbered 300 or higher	6
TOTAL			20

International Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

GEOGRAPHY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

GEO 100 World Geography (3) F, Sp. A systematic and regional analysis of the world's diverse cultural realms emphasizing the five themes of geography (location, place, interaction of people and the physical environment, movement, and region).

GEO 160 Physical Geography (4) DD. Analysis of Earth's physical systems, Earth-Sun relationships, weather and climate, soils and landforms, fluvial processes, global vegetation, exercises involving data collection, aerial photography and map interpretation, and data analysis. Three hours lecture and two hours lab.

GEO 210 Geography of the United States and Canada (3) DD. A systematic and regional analysis of the contemporary physical, cultural, and economic geography of the United States and Canada. Examination of environmental influences on people and the ways people change the environment as evidenced in agriculture, religion, industry, and urban areas. LAS Computer Literacy.

GEO 250 Introduction to GIS (4) DD. Basic concepts of Geographic Information Systems and applications; raster and vector data models; exercises involving data collection, GPS usage, database management, editing databases and shapefiles, querying and analyzing data, and cartographic design using ArcGIS® and Google® software. Three hours lecture and two hours lab.

GEO 320 Geography of Europe (3) DD. A systematic and regional analysis of the contemporary physical, cultural, and economic geography of the nations and regions west of Russia; trends of development as affected by changing political structures and the European Union. Prerequisite: A course in geography or European history. LAS International/Intercultural.

GEO 330 Economic Geography (3) DD. Patterns of distribution, production, and consumption of the world's resources; theories of geographic location related to agricultural, industrial, and service activities; globalization and internationalization; population and migration impacts on the economy; the role of the state in the economy; theories of development and underdevelopment. Prerequisite: ECO260 or GEO100.

GEO 340 Sustainable Energy (3) DD. Basic concepts of development and sustainability. Topics addressed include the human population, weather and climate, global climate change, agriculture, energy conservation, fossil fuel energies, and renewable and/or alternative energies, including solar, wind, hydrogen, nuclear, and biofuels. Class is in both lecture and seminar format. Field trip is included. Prerequisite: A course in geography, ecology, environmental science; or departmental approval.

GEO 450 Independent Research/Project (1-4) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. May be repeated with departmental approval for a maximum of 6 credits. Prerequisite: departmental approval.

HISTORY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

HIS 120 Modern World History (3) DD. A survey of the political, social, and economic history of the world (Europe, Africa, Middle East, India, Far East, and Latin America) from 1815 to the present.

HIS 140 American History to 1865 (3) F, Sp. The discovery of America to the end of the Civil War; colonial America, the Revolution, national development, sectionalism, and the Civil War.

HIS 150 American History since 1865 (3) F, Sp. Continuation of HIS140. Reconstruction, industrialization, urbanization, emergence as a world power, progressivism, World War I, the New Deal, World War II, and postwar America.

HIS 200 Ancient and Medieval Civilization (3) F, Sp. The western world from antiquity to the fifteenth century; the emergence of civilization in the Nile and Tigris-Euphrates valleys; the political, social, economic, and intellectual contributions of Greece, Rome, and medieval Europe.

HIS 210 Early Modern Civilization (3) F, Sp. The western world from 1500 to 1815; national states, the geographical revolution, the founding of European overseas empires, the Reformation, the emergence of constitutional governments, the Scientific Revolution, and the American and French Revolutions.

HIS 220 History of Missouri (3) Sp (even-numbered years). Missouri under French and Spanish rule; the American acquisition; the role of the state in the slavery crisis and in the settlement of the West; the state's contributions to politics, art, literature, education, industry, and transportation.

HIS 230 Modern Europe: 1789 to the Present (3) F, Sp. The French Revolution and Napoleonic periods; reaction, nationalism, and revolution; rise of socialism; imperialism; World War I; the Russian Revolutions and Soviet communism; the rise of fascism; Hitler, Stalin, and World War II; the Holocaust; the postwar bi-polar world order; the bloc system.

HIS 235 Historic Preservation Field School (3) DD. Intensive field experience in documenting and preserving an existing built environment as well as the historic landscape. Students actively participate in a survey of an urban neighborhood. Class sessions consist of lecture, discussion, field work, and lab. Lecture and discussion cover a wide array of issues in historic preservation. Field work includes tours, inspection, photography, and documentation of historic buildings. This course may be taken more than once for credit as an elective, but only once to fulfill a requirement for the major in either the B.A. or B.S. program in History.

HIS 245 History of the Middle East in the Twentieth Century (3) DD. An examination of the historical developments in the Middle East since 1900, with special attention to the origins of current political, social, and economic issues in a region plagued by instability.

HIS 290 The Historian's Craft (2) Sp. This course introduces students to the methods used by historians to analyze, interpret, and write about the past. Students will learn basic skills which may include, but are not limited to: locating and assessing source material; analyzing primary and secondary sources; writing analytical, comparative, historiographical, and review essays; conducting oral interviews; conducting oral presentations; reviewing movies. Various thematic approaches will be offered. Prerequisites: HIS140 or 150 and HIS200 or 210 or 230 and ENG104 and must be a declared major or minor in history.

HIS 300 American Colonial History (3) F (even-numbered years). The founding of the British North American colonies; origins of American cultural, religious, and racial diversity; British colonial administration to the Revolution. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval. LAS Writing.

HIS 301 Early National Period 1783-1824 (3) F (odd-numbered years). Transition from Articles of Confederation to Constitution; Federalist decade; Jeffersonian democracy; War of 1812; Era of Good Feelings. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval. LAS Writing.

HIS 302 The Jacksonian Era 1824-1848 (3) Sp (odd-numbered years). Postwar expansion; rise of American nationalism and the growth of the West; revival of the two-party system; Jacksonian democracy; humanitarian crusades; the Mexican War. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval. LAS Writing.

HIS 305 The American Frontier (3) Sp (odd-numbered years). Westward expansion of the United States over three centuries; colonial frontier, trans-Appalachian frontier, trans-Mississippi frontier; significance of the frontier in American history. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval.

HIS 310 English History to 1688 (3) F (even-numbered years). An examination of major facts and interpretations of the history of England from the Roman era through the Glorious Revolution; emphasis on political events, social institutions, and cultural developments that shaped the ancient, medieval, and early modern English past. Prerequisite: HIS200 and 210, and grade of C or better in HIS290 or departmental approval. LAS Writing.

HIS 320 English History since 1688 (3) Sp (odd-numbered years). An examination of major facts and interpretations of the history of England from the Glorious Revolution to the present; emphasis on the evolution of parliamentary government and the rise and decline of the British Empire. Prerequisite: HIS210 and 230, and grade of C or better in HIS290 or departmental approval. LAS International/Intercultural.

HIS 325 American Economic History (3) DD. English mercantilism, laissez-faire and its effect on American economic development, the emergence of the corporation and the trust, the issue of government regulation, and the role of the government in the economy of today. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval.

HIS 330 Recent United States History (3) F. The United States since World War I, with emphasis on current problems. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval.

HIS 335 Medieval Europe (3) F (odd-numbered years). An examination of Medieval European history focusing on the medieval origins of modern European institutions. Students will read several historical monographs in order to understand the narrative of medieval history and to gain a greater knowledge about how modern historians write about the medieval past. Prerequisite: HIS200 and 210, and grade of C or better in HIS290 or departmental approval.

HIS 336 The Crusades (3) Sp (even-numbered years). An examination of the origin and history of the wars fought between Christendom and Islam in the Middle Ages. Emphasizes the history of these wars from the perspective of all the cultures involved as well as the influence of the idea of the crusades and crusading on medieval and modern thought. Prerequisite: HIS200 and 210, and grade of C or better in HIS290 or departmental approval. LAS International/Intercultural.

HIS 339 Europe 1815-1914 (3) F (even-numbered years). Europe from the Congress of Vienna to 1914; reaction and revolution, nationalistic movements, rise of socialism-communism, the diplomatic background of World War I. Prerequisite: HIS230, and grade of C or better in HIS290 or departmental approval.

HIS 340 Recent European History (3) Sp (odd-numbered years). Europe in World War I, the rise of dictatorships, the League of Nations, new alignments, World War II, and the postwar period. Prerequisite: HIS230, and grade of C or better in HIS290 or departmental approval.

HIS 342 The Russian Kingdom and Empire 1462-1917 (3) Sp (even-numbered years). Restoration of the Russian kingdom by Ivan III "the Great;" establishment of royal absolutism by Ivan IV "the Terrible;" the Time of Troubles; emergence of the Russian empire; invasion by Napoleon; expansion of empire; collapse of the monarchy. Prerequisites: HIS210 and 230, and grade of C or better in HIS290 or departmental approval.

HIS 345 Military History (3) F (odd-numbered years). The historical development and application of military strategy, tactics, doctrine, and technology from ancient times to the present. Prerequisite: HIS140 or 150 or 200 or 210 or 230, and grade of C or better in HIS290 or departmental approval.

HIS 350 History of the Far East (3) DD. East Asia and the Pacific from antiquity to the present; Oriental religion, politics, and the economy; impact of European and American traders and missionaries, the founding of European empires, Oriental resistance to Westernization, and the emergence of modern China, Japan, and the Pacific nations. Prerequisite: HIS210 or 230, and grade of C or better in HIS290 or departmental approval.

HIS 355 Study Abroad in History (3) DD. An intensive three-week upper-level course in European history. A special fee is assessed for the course. This course is only taught in the summer. Deadline for application is March 1. This course may be taken more than once for credit as an elective, but only once to fulfill a requirement for an upper-level course for the major in either the B.A. or B.S. program in History. Prerequisite: HIS200 or 210 or 230.

HIS 365 Methods of Teaching Social Studies (5) F. Principles and methods of teaching social studies in secondary school: objectives, problems, materials, and methods applied to the social studies curriculum. Methods include: electronic portfolio, website technology, and traditional lesson plans/unit plans for each discipline involved. Those disciplines include: economics, geography, government and political science, history, psychology, and sociology. Prerequisite: departmental approval. Must be taken prior to Junior Teaching Experience.

HIS 370 History of Latin America (3) Sp (even-numbered years). A survey course including pre-Columbian cultures, colonial period, independence movements, national developments, relations with the United States and Europe. Prerequisite: HIS140 or 210, and grade of C or better in HIS290 or departmental approval. LAS International/Intercultural.

HIS 380 The French Revolution and Napoleon (3) DD. The Old Regime in France, failure of the Bourbon monarchy, the Revolution, the rise of Napoleon, the Napoleonic Wars to the Congress of Vienna, 1815. Prerequisites: HIS210 and 230, and grade of C or better in HIS290 or departmental approval.

HIS 400 Civil War and Reconstruction (3) F (odd-numbered years). Sectionalism in antebellum America; developing sectional crisis and coming of the Civil War; effects of the war and reconstruction of the nation. Prerequisites: HIS140 and 150, and grade of C or better in HIS290 or departmental approval.

HIS 420 History of Africa (3) DD. North Africa in the ancient world, Africa during the age of geographical discoveries, nineteenth century European imperialism, the emergence of modern African states and their problems. Prerequisites: 6 credits from among HIS200, 210 or 230, and grade of C or better in HIS290 or departmental approval.

HIS 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Completion of major-minor declaration in history, minimum 2.5 GPA in the major field, grade of C or better in HIS290, and departmental approval.

Department of Philosophy & Religion

Dr. Steven Greiert, *Chairperson*

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271-4390

<http://www.missouriwestern.edu/PR/>

This department offers courses in the areas of philosophy, religion, and humanities.

The philosophy faculty is committed to cultivating student inquiry into all of the major areas of traditional western philosophical inquiry, including logic, metaphysics, epistemology, and the value areas of ethics and political theory, aesthetics and the philosophy of art, and the philosophy of religion. This commitment is realized primarily through the development of courses that offer students opportunities to examine philosophical issues and debates drawn from both historical and contemporary sources. Courses in philosophy thus promote the development of critical thinking skills and the ability to communicate well-reasoned personal beliefs clearly in both written and oral discourse, both in and outside the classroom. Students who major in philosophy can apply these skills and their experience in career areas such as law, business, and the health professions or to graduate study in fields such as philosophy, theology, and nursing.

Students in religion explore the beliefs and practices of humanity: from the Abrahamic faiths of Judaism, Christianity, and Islam, to the Chinese traditions of Confucianism and Daoism; from the Samsaric religions of Hinduism, Jainism, and Buddhism, to the variety of small-scale and indigenous traditions around the world. Building on a core of regional surveys, the religion minor includes courses in Jewish and Christian Biblical studies, Islam, and the philosophy of religion, as well as topical courses that examine relevant themes across a wide selection of world traditions.

Humanities courses focus on the study of core texts typically considered central to the development of the western cultural tradition, while also providing some exposure to works from non-western cultures. These courses offer students opportunities to examine human intellectual and cultural history from the perspective of the *studia humanitatis* formulated during the Renaissance period of modern western history as well as the "cultural studies" orientation of more recent post-structuralist thinkers. Students minoring in humanities may use the four core courses offered either to enhance their major coursework, if they are majoring in a "humanistic" discipline, or they may combine these courses with those from fields of study commonly identified as humanistic, including history, languages and literature, and philosophy, or those in the visual arts, music, and drama.

MAJOR IN PHILOSOPHY

Degree Requirements

Courses in philosophy must total 30 credits, including at least 15 credits in PHL courses numbered 300 or higher. A grade of C or better is required for a course to count toward the major. The B.A. requires at least 12 credits in a single foreign language. The B.S. requires completion of a second B.S. degree program and has no foreign language requirement.

Required Core Courses

		<i>Credits</i>
PHL 210	Introduction to Philosophy	3
PHL 219	Logic	OR
PHL 220	Symbolic Logic	3
PHL 230	Ethics	OR
PHL 330	Topics in Ethical Theory	3
PHL 260	Philosophical Research	3
PHL 303	Ancient Philosophy	3
PHL 304	Modern Philosophy	OR
PHL 305	Topics in Nineteenth and Twentieth Century Philosophy	3
PHL 308	History and Philosophy of the Natural Sciences	3
	SUBTOTAL	21

Elective Courses

9 additional credits from alternative courses above or other PHL courses or courses approved by Philosophy faculty

	9
TOTAL	30

MAJOR IN INTERNATIONAL STUDIES

Refer to the Interdepartmental Studies catalog section for specific requirements.

MINORS

Humanities

Requirements: Courses in humanities and approved electives must total 18 credits. The following specific courses are required:

		<i>Credits</i>
HUM 203	Humanities: Ancient and Medieval	3
HUM 204	Humanities: Middle Ages to the French Revolution	3
HUM 205	Humanities: American Revolution to the Present	3
HUM 360	Selected Readings in the Humanities	OR
	A substitute approved by humanities faculty	3

Six additional credits of HUM, HIS (except HIS365), PHL or REL courses, courses selected from the following list, or courses approved by faculty teaching HUM courses:

		6
ART 205	Ancient through Medieval Art (3)	
ART 255	Renaissance through Modern Art (3)	
BIO/ENG/HUM/PSY314	Technology and Society (3)	
CIN 170	Introduction to Film(3)	
CIN 285	Film Theory and Criticism (3)	
CIN 310	Film Studies (3)	
CIN 350	Selected Topics in Cinema (3)	
COM 314	Persuasion (3)	
COM 338	Survey of Rhetorical Theory (3)	
COM 342	Intercultural Communication (3)	
COM 345	Nonverbal Communication (3)	
ENG 232	Language Awareness (3)	
ENG 385	Creative Writing: Prose (3)	
ENG 386	Creative Writing: Poetry (3)	
ENG 395	The Making of Contemporary Literature: The Mochila Review (3)	
ENG 473	History of the English Language (3)	
	ENG literature courses 320 or higher	

FRE 206	Summer Study/Travel Program in France (1-4)	
FRE 207	Summer Study/Travel Program in a French-speaking Country (3)	
FRE 306	Summer Study/Travel Program in France (1-4)	
FRE 307	Summer Study/Travel Program in a French-speaking Country (3)	
FRE 310	Readings in Francophone Culture and Civilization (3)	
FRE 322	Contemporary French Society (3)	
FRE 422	Introduction to French Culture, Civilization and Literature I (3)	
FRE 432	Introduction to French Culture, Civilization and Literature II (3)	
FRE 442	Introduction to French Culture, Civilization and Literature III (3)	
GER 182	German Literature in Translation (3)	
GER 300	Topics in German (3)	
GER 322	Advanced German Culture (3)	
MUS 310	Music History I (2)	
MUS 311	Music History II (2)	
MUS 323	Music History III (2)	
PSC 310	Political Theory (3)	
PSC 312	Contemporary Political Philosophy (3)	
PSY 260	Cross-Cultural Psychology (3)	
PSY 270	Psychology of Religious Experience (3)	
THR 345	Shakespeare in Performance (3)	
THR 367	History of Theatre (3)	
SPA 248	Preparatory Course for Interim Program Spanish Studies Abroad (2)	
SPA 250	Interim Program in Spanish Studies Abroad: Oral Spanish (3)	
SPA 310	Spanish Readings (3)	
SPA 322	Introduction to Hispanic Civilization and Culture I (3)	
SPA 332	Introduction to Hispanic Civilization and Culture II (3)	
SPA 348	Preparatory Course for Interim Program in Spanish Studies Abroad (2)	
SPA 350	Interim Program in Spanish Studies Abroad: Oral Spanish (3)	
SPA 422	The Literature of Spain (3)	
SPA 432	Selected Studies in Literature in Spanish (3)	
SPA 442	Topics in Spanish (3)	
TOTAL		18

Philosophy

Requirements

		<i>Credits</i>
PHL 210	Introduction to Philosophy	3
PHL 219	Logic	OR
PHL 220	Symbolic Logic	3
PHL 230	Ethics	3
PHL 260	Philosophical Research	OR
PHL 303	Ancient Philosophy	OR
PHL 304	Modern Philosophy	OR
PHL 305	Topics in Nineteenth and Twentieth Century Philosophy	3
Select 6 additional credit hours from PHL or other courses approved by PHL faculty		6
Course work must include at least 6 credit hours from upper-division PHL courses		
TOTAL		18

Religion

Requirements

		<i>Credits</i>
At least two of the following courses:		
REL 250	Comparative Religions: Eastern Traditions	6
REL 251	Comparative Religions: Western Traditions	
REL 252	Comparative Religions: Southern Traditions	

At least one of the following courses:	3
REL 260 Introduction to Biblical Studies	
REL 350 Philosophy of Religion	
At least one semester of the topics course:	3
REL 360 Selected Topics in Religion	
Select 3 additional credit hours from REL	3
One of the following courses (or other course approved by the REL faculty):	3
ENG 321 Literature and Religion	
HIS 336 The Crusades	
PHL 230 Ethics	
PHL 330 Topics in Ethical Theory	
PSY 260 Cross-Cultural Psychology	
PSY 270 Psychology of Religious Experience	
SWK 365 Death and Dying	
SOC 200 Introduction to Archaeology	
SOC 325 World of Islam: People, Cultures & Societies	
Course work must include at least 6 credit hours from upper-division courses	3
TOTAL	18

Peace & Conflict Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

International Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

HUMANITIES COURSES

Waiving of any course prerequisites requires prior departmental authorization.

HUM 203 Humanities: Ancient and Medieval (3) F, Sp. The social and intellectual history of humanity as reflected by literature, art, music, drama, and discourse from the classical period to the Renaissance.

HUM 204 Humanities: Middle Ages to the French Revolution (3) F, Sp. The social and intellectual history of humanity as reflected by literature, art, music, drama, and discourse from the Middle Ages to the French Revolution.

HUM 205 Humanities: American Revolution to the Present (3) F, Sp. The social and intellectual history of humanity as reflected by literature, art, music, drama, and discourse from the American Revolution to the present.

HUM 314 Technology and Society (3) F, Sp. Participatory course emphasizing a particular problem and/or issue related to technology and society. Class participants will investigate the semester's theme using currently available technologies. Same as BIO314, ENG314, PSY314, PSC314. Prerequisites: Completion of category one -- Basic Skills General Studies courses.

HUM 360 Selected Readings in the Humanities (3) F (even-numbered years). Specialized course work in the humanities of western civilization; emphasizes analysis of humanistic works of leading authors. Course may be repeated for credit (6 credit maximum) with departmental approval. Prerequisite: HUM203, 204, and 205, or departmental approval.

HUM 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Consent of departmental chairperson is required. Students are normally expected to discuss proposed work with HUM faculty two semesters before registration is anticipated. May be repeated with departmental approval for a maximum of 6 credits.

PHILOSOPHY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

PHL 210 Introduction to Philosophy (3) F, Sp. Survey of the origins and development of philosophical thought focusing on texts selected from the classical, medieval, modern, and contemporary periods.

PHL 219 Logic (3) F. A study of formal and informal reasoning; topics include recognition and evaluation of arguments, fallacies, sentence calculus, and scientific method.

PHL 220 Symbolic Logic (3) Sp. Introduction to a symbolic language for representing the structure of valid arguments. Introduces formal rules for demonstrating the validity of arguments. Covers natural deduction for sentential and predicate calculus. Prerequisites: ACT math score of 20 or higher or the equivalent.

PHL 230 Ethics (3) F, Sp. An introduction to ethical theory focusing on the major traditions of Western philosophical ethics and their practical application to contemporary moral issues.

PHL 257 Art Theory and Criticism (3) F. A practical, experience-based multi-disciplinary introduction to contemporary and classic approaches to art theory and criticism. Same as ART257. Prerequisites: ART100 or ART205 or CIN170 or ENG210 or ENG220 or HUM203 or HUM204 or HUM205 or MUS101 or THR113. LAS Writing.

PHL 260 Philosophical Research (3) Sp (even-numbered years). An introduction to the methods of philosophical research, including the analysis and interpretation of primary texts, the use of secondary sources, and formal models of oral and written presentation; the course will focus on the study of a canonical text or topic. May be repeated with departmental approval for a total of 6 credits if course content varies significantly. Prerequisite: PHL210 or 219 or 230. LAS Computer Literacy.

PHL 303 Ancient Philosophy (3) F (even-numbered years). Survey of ancient philosophy from the pre-Socratics to Hellenistic period emphasizing the philosophies of Plato and Aristotle. Prerequisite: HUM203 or PHL210. LAS Writing.

PHL 304 Modern Philosophy (3) Sp (odd-numbered years). Survey of major figures and movements in modern philosophy selected from the early modern period through the end of the eighteenth century. Prerequisite: HUM204 or PHL210.

PHL 305 Topics in Nineteenth and Twentieth Century Philosophy (3) F (odd-numbered years). Survey of a selected movement or trend in nineteenth and twentieth century philosophy such as German idealism, American pragmatism, phenomenology and existentialism, and the analytic tradition. May be repeated with departmental approval for a total of 6 credit hours if course content varies significantly. Prerequisite: PHL210.

PHL 308 History and Philosophy of the Natural Sciences (3) Sp. A study of the history of the natural sciences with an emphasis on the philosophical analysis of these events. Prerequisites: Completion of General Studies Mathematics and Natural Sciences requirement.

PHL 310 Political Theory (3) F. Political theories of classical thinkers, Plato and Aristotle; of church fathers, Augustine and Aquinas; and of modern theorists, Machiavelli, Hobbes, Locke, Rousseau, and Mill; Marxism and Fascism. Same as PSC310. Prerequisite: PSC101 or PHL210 or PHL230 or HUM203 or HUM204 or HUM205. LAS Ethics; LAS Writing.

PHL 312 Contemporary Political Philosophy (3) Sp (odd-numbered years). Political theories since the mid-twentieth century to the present including movements such as libertarianism, neo-conservatism, neo-liberalism, communitarianism, feminism, and environmentalism. Same as PSC312. Prerequisite: PSC101 or PHL210 or PHL230 or HUM203 or HUM204 or HUM205. LAS Ethics.

PHL 325 Ethics of Environmental and Natural Resource Policy (3) Sp (even-numbered years). A study of alternative theories of environmental ethics, the implications of these theories for natural resource and wildlife policy, and their application to some contemporary natural resource and wildlife management issues. Prerequisite: PHL210 or PHL219 or PHL230.

PHL 330 Topics in Ethical Theory (3) F (even-numbered years). Survey of major theoretical alternatives in western philosophical ethics with reference to contemporary trends in ethical theory. Prerequisite: PHL210 or PHL219 or PHL230 for non-majors only. LAS Ethics.

PHL 335 Aesthetics and the Arts (3) Sp (even-numbered years). Survey of modern theories of aesthetic experience and the arts with reference to classical and contemporary views. Same as ART335. Prerequisite: Grade of B or better in HUM203 or HUM204 or HUM205 or PHL210; or ART257 or PHL257.

PHL 350 Philosophy of Religion (3) Sp (even-numbered years). Study of classical and contemporary philosophical inquiry into the nature of religion and questions about God and ultimate reality. Same as REL350. Prerequisite: Any previous course in philosophy or religion.

PHL 353 Philosophy of Biology (3) F (odd-numbered years). An introduction to current issues in the philosophy of biology such as the nature of biological organization, classification, and living systems and some of the problems that have arisen in the attempt to understand these complex systems. Same as BIO353. Prerequisite: BIO101 or BIO106.

PHL 360 Selected Topics in Philosophy (3) DD. Specialized course work focusing on individual figures, movements, recent trends, or topics in philosophy. May be repeated with departmental approval for a total of 6 credit hours if course content varies significantly. Prerequisite: PHL210 or PHL219 or PHL230.

PHL 365 Selected Topics in Peace & Conflict Studies (3) Sp (odd-numbered years). Specialized course work in interpersonal and/or international conflict studies. May be repeated as content varies. Same as LAT365, PSC365, and REL365.

PHL 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Consent of departmental chairperson is required. Students are normally expected to discuss proposed work with PHL faculty two semesters before registration is anticipated. May be repeated with departmental approval for a maximum of 6 credits.

RELIGION COURSES

Waiving of any course prerequisites requires prior departmental authorization.

REL 250 Comparative Religions: Eastern Traditions (3) Sp (even-numbered years). Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in East Asia and Oceania.

REL 251 Comparative Religions: Western Traditions (3) F (even-numbered years). Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in West Asia, Europe, and the Americas.

REL 252 Comparative Religions: Southern Traditions (3) F (odd-numbered years). Survey of major and minor religions with relevant historical and cultural elements, focusing primarily on religious traditions with origins in South Asia and Africa.

REL 260 Introduction to Biblical Studies (3) Sp (odd-numbered years). Introduction to the method and content of Biblical scholarship, covering the Jewish (Hebrew) Bible and the Christian (Greek) New Testament, with some discussion of relevant apocryphal and non-canonical texts. LAS International/Intercultural.

REL 263 Religion of the Hebrew Bible (3) DD. Introduction to the major elements of the Hebrew Bible from the perspective of contemporary biblical scholarship.

REL 265 Religion of the New Testament (3) DD. Introduction to the major elements of the New Testament from the perspective of contemporary New Testament scholarship.

REL 350 Philosophy of Religion (3) Sp (even-numbered years). Study of classical and contemporary philosophical inquiry into the nature of religion and questions about God and ultimate reality. Same as PHL350. Prerequisite: Any previous course in philosophy or religion.

REL 360 Selected Topics in Religion (3) F (odd-numbered years). Specialized course work in the study of religion, normally a comparative exploration of a theme considered across a variety of global religious traditions. May be repeated as content varies.

REL 361 War, Peace, & Religion (3) F (even-numbered years). A course in comparative religious ethics thematically exploring a variety of global religious traditions, both East and West, examining their respective scriptures, doctrines, histories, and contemporary examples through the lens of their various perspectives on violence and nonviolence. Special emphasis will be given to the resources each has available for nonviolent responses to interpersonal and international conflict. LAS Ethics; LAS International/Intercultural.

REL 365 Selected Topics in Peace & Conflict Studies (3) Sp (odd-numbered years). Specialized course work in interpersonal and/or international conflict studies. May be repeated as content varies. Same as LAT365, PHL365, and PSC365.

REL 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Consent of departmental chairperson is required. Students are normally expected to discuss proposed work with REL faculty two semesters before registration is anticipated. May be repeated with departmental approval for a maximum of 6 credits.

Department of Psychology

Dr. Brian Cronk, *Chairperson*

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<http://www.missouriwestern.edu/Psychology/>

The study of psychology provides a better understanding of human nature and of the behavior of oneself and others as individuals and as members of groups. The Department of Psychology offers either a Bachelor of Arts degree or a Bachelor of Science degree. The department also serves other disciplines by offering courses that meet their needs.

ADMISSION REQUIREMENTS

Students intending to major in psychology should declare their interest to the psychology department so that they can be assigned a psychology advisor. Applications to the major in psychology are reviewed twice a year. Applications should be submitted prior to Oct. 1 or prior to March 1. Applicants must have completed and received a grade of C or better in PSY101, BIO101 (or BIO105), PSY200, ENG104, and general studies math before being accepted into the psychology major. Admission is competitive. A selection committee reviews all applicants and determines those who will be admitted. The information used in the selection process includes: 1) grades earned in the courses necessary for admission consideration; 2) grades in all college work to date; 3) ACT scores.

Applications of transfer students (upon their request) will be given a preliminary review by the department chairperson before MWSU's pre- or regular registration. Students are strongly urged to take PSY300 and PSY301 during the first two semesters after acceptance to the major.

Course Admission Requirements

The following courses may be taken only by students who have declared a major or minor in a discipline (psychology, nursing, criminal justice, social work, education, physical education, business, communication) that lists the course as required or elective for that major or minor: PSY300, PSY301, PSY303, PSY319, PSY325, PSY335, PSY365, PSY400, PSY415, PSY430, or PSY490. Under the individual course listings, this requirement is designated "major course requirement." Exceptions to this course prerequisite require written departmental approval.

BACHELOR OF ARTS OR BACHELOR OF SCIENCE DEGREE REQUIREMENTS

General Major in Psychology

This program requires 49 credits in the major and can lead to either a B.A. or B.S. degree. In addition to the major requirements, the student must fulfill the requirements for the specific degree program. The B.A. requires 12 credits in a single foreign language.

Required Core Courses

PSY	101	General Psychology	<i>Credits</i>
BIO	101	Principles of Biology (4)	3
BIO	105	Organismal Biology	OR
PSY	200	Intermediate Psychology	4
PSY	300	Introductory Psychological Statistics	3
PSY	301	Psychology Research Methods	3
PSY	303	Psychology Research Team	3
PSY	430	History and Systems in Psychology	3
PSY	490	Senior Seminar	3
		SUBTOTAL	<hr style="width: 100%; border: 0.5px solid black;"/> 25

Restricted Elective Core Courses

The student must take at least one course (3 credits) from each of the following restricted elective core groupings.

			<i>Credits</i>
Interpersonal/Intercultural Core (3 credits each)			
PSY	222	Psychology of Gender	
PSY	230	Psychology of Communication	
PSY	260	Cross-Cultural Psychology	3
Learning/Cognition Core (3 credits each)			
PSY	335	Learning	
PSY	340	Cognitive Psychology	
PSY	360	Motivation and Emotion	3
Biological/Comparative Core (3 credits each)			
PSY	350	Introduction to Neuroscience	
PSY	355	Sensation and Perception	3
Social/Personality Core (3 credits each)			
PSY	310	Industrial/Organizational Psychology	
PSY	325	Psychology of Personality	
PSY	365	Social Psychology	3
Developmental/Lifespan Core (3 credits each)			
PSY	319	Child/Adolescent Psychology	
PSY	321	Adult Psychology	3
Abnormal/Psychological Assessment Core (3 credits each)			
PSY	309	Abnormal Psychology	
PSY	400	Introduction to Psychological Testing and Assessment	3
Psychology Electives			
The student must take an additional 6 credits of electives (at least 3 credits numbered 300 and above) in Psychology. These electives may be chosen from the remaining courses in the restricted core electives above or from other upper-division offerings in the catalog.			6
TOTAL			45

Personnel Psychology Concentration

This program leads to a B.S. with a major in Psychology and a concentration in personnel psychology. The program has a similar required course core as the general major program in Psychology, with the addition of courses relevant to human resources. The Personnel Psychology program requires a minimum of 37 credits in psychology and biology plus 21 credits in the cognate field of business.

This program is recommended for those students seeking employment in human resources, public relations, or other positions in business or industry where one works closely with employees or the public. It should be noted that the program does not provide technical training in personnel management, but rather a liberal arts background and preparation for on-the-job training.

			<i>Credits</i>
PSY	101	General Psychology	3
BIO	101	Principles of Biology (4)	OR
BIO	105	Organismal Biology	4
PSY	200	Intermediate Psychology	3
PSY	300	Introductory Psychological Statistics	3
PSY	301	Psychology Research Methods	3

PSY 303	Psychology Research Team	3
PSY 490	Senior Seminar	3
SUBTOTAL		18

Personnel Psychology Core Courses

PSY 230	Psychology of Communication	3
PSY 310	Industrial/Organizational Psychology	3
PSY 325	Psychology of Personality	3
PSY 365	Social Psychology	3
PSY 415	Intermediate Statistics for the Behavioral Sciences (3)	OR
PSY 420	Practicum in Psychology (4)	3-4
SUBTOTAL		15-16

Cognate Field

GBA 211	Business Law I	3
ACC 201	Introductory Financial Accounting	3
ECO 260	Principles of Macroeconomics	3
MGT 350	Organizational Behavior Studies.	3
MKT 301	Principles of Marketing	3
COM 210	Presentational Communication	3
COM 324	Small Group Communication	3
SUBTOTAL		21
TOTAL		58-59

Note: It is recommended that all students preparing for graduate school take PSY430; this is a requirement for entrance to many graduate schools.

MINORS

Minor in Psychology

PSY 101	General Psychology	3
PSY 200	Intermediate Psychology	3
PSY xxx	Electives	9

One course from the following (3 credits each) 3

PSY 335	Learning
PSY 340	Cognitive Psychology
PSY 350	Introduction to Neuroscience
PSY 355	Sensation and Perception
PSY 360	Motivation and Emotion

One course from the following (3 credits each) 3

PSY 230	Psychology of Communication
PSY 310	Industrial/Organizational Psychology
PSY 319	Child/Adolescent Psychology
PSY 325	Psychology of Personality
PSY 365	Social Psychology

TOTAL **21**

Minor in Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

PSYCHOLOGY COURSES

Waiving of any course prerequisites requires prior departmental approval.

PSY 101 General Psychology (3) F, Sp, Su. General information about psychology in everyday life, designed to correct misconceptions and to give the student a better understanding of self and others.

PSY 200 Intermediate Psychology (3) F, Sp. Introduction to scientific psychology with emphasis on methodology and critical thinking about psychological ideas. Prerequisite: PSY101.

PSY 210 Psychology of Personal Adjustment (3) DD. Principles and techniques for maintaining good mental health; the approach is practical rather than descriptive. Prerequisite: PSY101.

PSY220 Health Psychology/Stress Management (3) F. The psychological and social factors that influence health and disease. Attention is also focused on stress management, the health care system, and the evaluation of health-related research. Prerequisite: PSY101.

PSY 222 Psychology of Gender (3) Sp. The similarities and differences between the female and male gender in the following psychological areas: role acceptance, gender identity, sexuality, parenthood, achievement and ability, personality, adjustment and mental health, and relationships. Prerequisite: PSY101. LAS International/Intercultural.

PSY230 Psychology of Communication (3) F. The elements of interpersonal communication; emphasizes techniques of communicating thoughts and ideas, listening techniques, understanding meaning; designed to improve the students interpersonal relationships. Prerequisite: PSY101. LAS International/Intercultural.

PSY 240 Life-span Developmental Psychology (3) Sp. The cognitive, personality, emotional, social, and physical changes that occur from conception through old age. This course is intended primarily for majors in fields which require a developmental psychology overview of the life span. Credit for this course is not applicable toward a psychology major. Prerequisite: PSY101.

PSY 250 Behavior Modification (3) DD. The application of behavioral principles to human problems. Prerequisite: PSY101.

PSY 260 Cross-Cultural Psychology (3) Sp. Psychological issues from a cross-cultural perspective, enabling students to appreciate the diverse ecological and cultural settings in which their behavior is increasingly influenced by global diversity and the global economy. Prerequisite: PSY101. LAS International/Intercultural.

PSY270 Psychology of Religious Experience (3) DD. Psychological theories and research methods investigates the nature, antecedents, and consequences of religious experience and behavior. Emphasis on the scientific study of religion. Prerequisite: PSY101.

PSY 280 Career Development in Psychology (3) DD. Career opportunities, levels of training, and professional issues in the field of psychology. Designed for those seeking employment and/or graduate school training in psychology. Prerequisite: PSY200.

PSY 283 Introduction to Psychological Research (1-2) DD. Introduction to research in psychology. The student will be involved in an individual or team research project, or assist with a faculty member's research. Prerequisite: Departmental approval.

PSY 290 Introduction to Forensic Psychology (3) DD. Examines the role of forensic psychologists in police training and selection, criminal profiling, jury selection, insanity and competency, child custody, and death penalty trials. Prerequisite: PSY101.

PSY 300 Introductory Psychological Statistics (3) F, Sp. Descriptive and inferential statistical procedures used in the social sciences. Both computer and manual computations will be performed. Prerequisite: PSY101, PSY200, MAT110 or higher, all with a grade of C or higher. LAS Computer Literacy.

PSY301 Psychology Research Methods (3) F, Sp. Training in the techniques and methods of scientific psychology; emphasizes construction of hypotheses, experimental design, data interpretation, and style of reporting research. Prerequisite: A declared major or minor that requires this course, PSY101, PSY200, and PSY300. LAS Ethics.

PSY 303 Psychology Research Team (3) F, Sp. Applied learning experience in designing and conducting original research in psychology, data analysis, writing and presenting research results. Prerequisite: A declared major or minor that requires this course, PSY101, PSY200, PSY300, PSY301, and demonstrated proficiency in the basics of APA format and SPSS. LAS Writing; LAS Ethics.

PSY 309 Abnormal Psychology (3) F. Descriptive and exploratory consideration of abnormal behavior, with a survey of past and present theories, classifications, and therapies. Prerequisite: PSY101.

PSY 310 Industrial/Organizational Psychology (3) Sp. Research and theories of I/O Psychology and applied to the problems and issues of the work place with an emphasis on the role of cognitive activity in work-related behavior. Prerequisite: PSY101.

PSY 314 Technology and Society (3) F, Sp. Participatory course emphasizing a particular problem and/or issue related to technology and society. Class participants will investigate the semester's theme using currently available technologies. Same as BIO314, ENG314, HUM314, PSC314. Prerequisites: Completion of Category one -- Basic Skills General Studies courses.

PSY 319 Child/Adolescent Psychology (3) F. Life-cycle changes that occur from conception through early adolescence, emphasizing the origins and principles of normal development. Prerequisite: A declared major or minor that requires this course, PSY101, and either PSY200 or EDU225. (Declared minors in Childhood Studies are exempt from the PSY200 prerequisite.)

PSY 321 Adult Psychology (3) Sp. Life-cycle changes that occur from middle and late adolescence through old age and death; explores the changes in physical and sensory development, intelligence, personality, friendships, and work and family roles. Prerequisite: PSY101.

PSY 325 Psychology of Personality (3) F. Dynamics of personality development and human behavior; emphasizes theories of personality. Prerequisites: A declared major or minor that requires this course, PSY101, and PSY200.

PSY 335 Learning (3) Sp (odd-numbered years). Major theories of learning in contemporary psychology, with a brief historical introduction. Prerequisites: A declared major or minor that requires this course, PSY101, and PSY200.

PSY 340 Cognitive Psychology (3) F (even-numbered years). The field of cognitive psychology, including human learning, memory, problem solving, language, and attention. Artificial intelligence will be examined. Prerequisites: PSY101 and PSY200.

PSY 345 Animal Behavior (3) DD. Introduction to the comparative method in exploring and classifying behavior in animals. Prerequisites: PSY101 and PSY200.

PSY 350 Introduction to Neuroscience (3) Sp. Introduction to the relationships between brain, mind, and behavior; includes brain mechanisms underlying perception, motivation, emotion, learning, memory, and higher cognition. Prerequisite: A declared major or minor that requires this course, PSY101, and PSY200.

PSY 355 Sensation and Perception (3) F (even-numbered years). Data and theory concerning sensory and perceptual processes; includes sensory mechanisms, neuropsychological bases of perception, perceptual development, and psychological phenomena encountered in the various senses. Prerequisite: PSY101 and PSY200.

PSY 360 Motivation and Emotion (3) Sp (even-numbered years). Theoretical and research issues on such motivational topics as drive, goal, directedness, incentive, reinforcement, external stimulation, emotion, instinct, and self-actualization. Prerequisites: PSY101 and PSY200.

PSY 365 Social Psychology (3) F. The individual in relation to society; includes theoretical foundations, socialization, social cognition, group dynamics, and leadership. Prerequisite: A declared major or minor that requires this course PSY101, and PSY200.

PSY 400 Introduction to Psychological Testing and Assessment (3) Sp. Basic principles of tests, measurements, and assessment. Detailed study and evaluation of some of the most useful and meaningful person assessment techniques. Professional and ethical standards as well as social issues related to testing. Prerequisites: A declared major or minor that requires this course and PSY300. LAS Ethics.

PSY 410 Introduction to Counseling Psychology (3) DD. An overview of counseling as applied in a variety of institutional settings; reviews differing counseling techniques and theories as well as types of problems encountered in counseling; includes survey of research related to counseling. Prerequisites: PSY101 and PSY325.

PSY 415 Intermediate Statistics for the Behavioral Sciences (3) DD. Basic statistical procedures applied to behavioral research; focuses on the integration of the use of computers for data collection and analysis. Prerequisites: A declared major or minor that requires this course and either PSY301 or MAT132. LAS Computer Literacy.

PSY 420 Practicum in Psychology (4) F. Senior students in psychology apply their knowledge to an actual situation in the field. An additional 4 credits may be earned by taking PSY421. Prerequisites: Senior standing, declared Psychology major, and departmental approval.

PSY 421 Practicum in Psychology (4) DD. Senior students in psychology applying their knowledge to an actual situation in the field. An additional 4 credits may be earned by taking PSY420. Prerequisites: Senior standing, declared psychology major, and departmental approval.

PSY 430 History and Systems in Psychology (3) F. The major historical approaches to defining, organizing and explaining psychological phenomena. Prerequisites: A declared major or minor that requires this course, PSY101, and PSY200.

PSY 440 Human-Computer Interaction (3) DD. Understanding human behavior and cognition at the human computer interface level. Particularity, it examines the emergent interactive technologies, human computer interaction, user centered design, usability analysis, and usability testing. Prerequisite: PSY101 and MAT110 or higher.

PSY 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared psychology major, a minimum of 2.5 GPA in major field, and departmental approval.

PSY 460 Study Away in Psychology (1-6) DD. This course focuses on aspects of psychology that require study away from the main campus. Examples include historical research or research in the lab of a faculty member at another institution. Content and objectives of the course will be negotiated before enrollment and approved by the department chair. May be repeated for up to 12 hours of credit. Prerequisite: Completion of 45 college credit hours and a cumulative GPA of 3.0 or higher.

PSY 470 Child Psychopathology and Exceptionalities (3) DD. An overview of the theories, research diagnosis, and treatment of childhood disorders, exceptionalities, and special needs. Prerequisites: PSY101, PSY200, and either PSY240 or PSY319. Declared minors in Childhood Studies are exempt from the PSY200 prerequisite.

PSY 490 Senior Seminar (3) F, Sp. An integrative, capstone experience for senior psychology majors. Emphasizes written and oral analyses of current issues in psychology based on integrative reviews of empirical research. Students will review and prepare for the departmental exit exam, and take the exam as part of their course requirement. Prerequisites: A declared major or minor that requires this course and PSY301. LAS Writing.

The College of Professional Studies

Dr. Kathleen O'Connor, *Dean*

271-5827

www.missouriwestern.edu/profstudies

Departments of:

Criminal Justice, Legal Studies and Social Work
Education
Engineering Technology
Health, Physical Education and Recreation
Military Science
Nursing and Allied Health

Programs in the College of Professional Studies provide professional education leading to Bachelor of Science, Bachelor of Science in Education, Bachelor of Science in Nursing, Bachelor of Social Work, and the Bachelor of Science in Technology degrees. Additional programs and degrees include Associate of Science degrees, Associate of Applied Science degrees, certificate programs, and a commission as an officer in the United States Army. Associate of Science degrees are offered with majors in Criminal Justice and majors in Legal Assistant. Associate of Applied Science degrees with majors in, Manufacturing Engineering Technology and Physical Therapist Assistant and one-year Certificate programs in Legal Assistant and Health Information Technology are also offered through the College of Professional Studies. Programs emphasize professional preparation and academic excellence and provide opportunities for professional, academic, and personal development.

The mission of the College of Professional Studies is to maximize the development of students for roles in the professions and in society through the completion of academic degrees. Degree and certificate programs provide the knowledge, skills and leadership development that are essential for success in the professions or for graduate study. Academic programs incorporate applied learning that transcends the institutional setting through multiple experiences in the classroom and professional practice environments. Opportunities for development are provided through partnerships with practicing professionals, contributions to society through service to diverse populations, wise use of technology and consideration of ethical standards in problem-solving. Faculty members are experts in their disciplines and apply their expertise through leadership, scholarship, consulting and service in their professions. Graduates of the College of Professional Studies fill essential leadership positions in business and industry, government, education, health care, national defense, legal and service settings.

PREPROFESSIONAL PROGRAMS

Preprofessional programs in specialized fields are offered for students who plan to transfer for the completion of their studies. Students choosing these programs should select a transfer institution early and should work closely with their academic advisor. Contact the academic department listed below for more information. Preprofessional programs in the College of Professional Studies and the advising department(s) include:

Architecture (Engineering Technology)
Engineering (Engineering Technology)
Law (Criminal Justice, Legal Studies and Social Work)
Physical Therapy (Nursing and Allied Health)

Additional preprofessional programs can be found in the College of Liberal Arts and Sciences section of this catalog.

Department of Criminal Justice, Legal Studies & Social Work

David Tushaus, *Chairperson*

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<http://www.missouriwestern.edu/CJLS/>

The Department of Criminal Justice, Legal Studies and Social Work offers students the option of studying in three separate degree programs: Criminal Justice, Legal Studies and Social Work.

Students interested in the area of law enforcement, corrections, juvenile delinquency and criminal justice administration may pursue one of two degree options available in the criminal justice program: (1) An associate of science degree with a major in Criminal Justice or (2) A bachelor of science degree with a major in Criminal Justice with a concentration in administration, law enforcement, juvenile delinquency, corrections, or legal studies.

Students interested in working in the legal profession may major in the legal assistant program. Missouri Western's Legal Assistant Program is a voting member of the American Association for Paralegal Education. In addition, the program is approved by the American Bar Association. In the program, students may pursue a course of study leading to an associate of science degree with a major in Legal Assistant, a certificate, or a B.S. Degree in Criminal Justice with a concentration in legal studies.

Social work is a profession for those with a strong desire to work with people. Social workers assist individuals, families, groups, organizations or communities to enhance or restore their capacity for social functioning and work to create the societal conditions necessary for people to flourish. Social workers are employed in both public and private human service agencies as well as in private corporations and often work directly with people by linking them with needed resources, providing counseling, and/or advocating for needed services. Social workers also work behind the scenes by developing needed human service programs or by shaping the social welfare policies that guide human services.

The Department offers a Graduate Certificate and a Masters of Applied Science in Forensic Investigations. The Certificate and M.A.S. are designed to provide individuals the opportunity to receive instructions from eminent forensic scientists and other distinguished professionals as well as department faculty. Several forensic investigation courses are available to undergraduates as well. These courses and degrees are of particular interest to professionals and students interested in a career in crime scene investigation. For more information contact your advisor, the department, or go to our graduate website at <http://www.missouriwestern.edu/cj-ls-swk/fil/>.

CRIMINAL JUSTICE AND LEGAL STUDIES

The Criminal Justice Program offers two separate degrees and a minor.

- **Bachelor of Science.** Offered with a major in criminal justice, with five concentrations.
- **Associate of Science.** Offered with a major in criminal justice.

The program seeks to prepare the student for entry into or advancement within the criminal justice system in any of the many areas existing within the career field or for graduate studies in a related field. Such areas include:

- Juvenile justice agencies: Most juvenile justice agencies presently require a degree in a related area.
- Investigative agencies: Federal, state, county and local agencies, including private investigative agencies.
- Conservation agencies: These agencies enforce wildlife regulations.
- Correctional agencies: Institutions and probation/parole systems within federal, state and county governmental levels.
- Industrial security: Corporate interests nationwide.
- Legal profession: Corporate, private, government agency, and public interest law offices.

ADMISSION REQUIREMENTS

Students who want to major in criminal justice should declare their interest to the Department of Criminal Justice, Legal Studies and Social Work, so that they may be assigned an advisor within the department. Applications for the B.S. degree in Criminal Justice will be reviewed upon submission to their advisor. The faculty advisor will review the student's eligibility to file a B.S. degree in Criminal Justice with their chosen concentration. A student must either have an ACT composite score of 18 or higher OR have completed an A.A. degree or an A.S./A.A. degree prior to admission into the B.S. program for Criminal Justice. A student must also have earned an overall grade point average of 2.0 or higher to be admitted and allowed to file a major declaration form for the B.S. program.

Students with an ACT composite score below 18 who have not completed an A.A. or A.S. degree may seek admission upon demonstration of their likelihood of success in a B.S. degree. These students must have an overall grade point average of 2.0 or higher. In addition, students must have successfully completed at least five classes in the intended criminal justice major, with at least a 2.50 GPA composite in the five courses. Approval of the department chair is required.

If the student meets the criteria, the advisor will sign both the application and major declaration form and then forward them to the chairperson for review. The major declaration form can then be filed with the Registrar. If admission requirements are not met for the B.S. degree in Criminal Justice, the student will be encouraged to declare a major in the A.S. degree in Criminal Justice or Legal Assistant, working towards admission requirements for the B.S. degree in Criminal Justice.

GRADUATION REQUIREMENTS

To graduate with a degree in criminal justice, a major must have a minimum 2.00 GPA in credits comprising the core and concentration. In addition, no more than two courses with a final grade of D will be accepted in courses constituting the CJLS core, concentration area and restricted electives as part of the required degree program. Students who take a second major, minor or approved certificate instead of restricted electives should meet the degree standards of the specific department that houses that second major, minor or approved certificate. No transfer courses with a grade below C will be accepted for equivalent course credit in the criminal justice major or minor programs, as well as those for legal assistant.

To graduate with a major or minor from the Department of Criminal Justice, Legal Studies and Social Work, students are required to take a departmental exit exam and/or complete other program exit requirements. Per ABA program approval guidelines, students majoring in legal studies must complete an exit interview with selected CJ/LS faculty. Based upon the degree(s) a student is receiving, they will need to fulfill the following requirements:

DEGREE TO BE AWARDED

Certificate - Legal Studies
 A.S. - Criminal Justice
 A.S. - Legal Studies
 B.S. - Criminal Justice
 B.S. - Legal Studies

Minor in CJ or LS

TEST REQUIRED

Exit Interview and Contact Information form
 Pre-Post Test and Contact Information form
 Exit Interview and Contact Information form
 Pre-Post Test and Contact Information form
 Pre-Post Test, Exit Interview, and Contact Information form
 Contact Information Form

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

The Bachelor of Science degree with a major in Criminal Justice consists of 27 credits from the Core, 6 credits from a choice of one of two applied learning tracks, a concentration area of 17-19 credits in either administration, corrections, juvenile delinquency, law enforcement, or legal studies, and either 12 restricted elective credits or an approved minor or certificate.

Major in Criminal Justice

Core

		<i>Credits</i>
LAT 101	Introduction to Law	3
LAT 335	Introduction to Mediation	3
LAW 100	Introduction to Criminal Justice	3
LAW 110	Juvenile Delinquency	3
LAW 190	Criminal Investigation	3
LAW 260	Criminal Law	3
LAW 305	Introduction to Theories of Crime	3
LAW 325	Understanding Research in Criminal Justice	3
LAW 410	Intermediate Criminal Law	3
	TOTAL CORE	27

Choose one of the following Applied Learning tracks (6 credit hours total):

LAW 465	Internship	3
LAW 470	Senior Seminar	3
	OR	
LAW 405	Research Methods	3
LAW 420	Quantitative Analysis in Criminal Justice	3
	TOTAL APPLIED LEARNING	6
	TOTAL CORE + APPLIED LEARNING TRACK	33

Concentration: Administration

Core Courses plus All of the Following:

LAT 420	Civil Rights Law	3
LAW 280	Criminalistics	5
LAW 300	Criminal Justice Communications	3
LAW 315	Criminal Justice Concepts and Issues	3
LAW 460	Administration and Planning	3
	TOTAL CONCENTRATION	17

Choice of a second major, minor, approved certificate OR restricted electives (Choose 12 credit hours from the following courses):

LAT 340	Study Away in Criminal Justice & Legal Studies (1-3)	
LAT 370	Domestic Relations (3)	
LAT 492	Selected Legal Topics (1-3)	
LAW 200	Penology and Corrections (3)	
LAW 270	Probation and Parole (3)	
LAW 320	Criminal Evidence (3)	
LAW 365	Practicum I (3)	

LAW 392	Selected Criminal Justice Topics (3)
LAW 440	Juvenile Law and Procedures (3)
LAW 450	Independent Research (1-6)
LAW 465	Internship (3)
LAW 470	Senior Seminar (3)
LAW 492	Advanced Selected Criminal Justice Topics (1-3)
LAW 5**	Any course between LAW 500-599 (3)
POL 100	Critical Aspects of Policing I (3)
POL 130	Critical Aspects of Policing II (3)
POL 150	Police Methods and Operations (6-12)
PSY 230	Psychology of Communication (3)
PSY 309	Abnormal Psychology (3)
SOC 430	Criminology (3)
SWK 325	Family and Child Welfare (3)
SWK 345	Substance Abuse and Dependence (3)
SWK 365	Death and Dying (3)

To fulfill the applied learning requirement, the B.S. in C.J., concentration in administration, will require students to take LAW405 Research Methods and LAW420 Quantitative Analysis in Criminal Justice. Students in this concentration, with its emphasis on research, do not have to take an internship, but may take one as part of their restricted elective or elective requirements.

TOTAL APPLIED LEARNING	<u>6</u>
TOTAL CORE, APPLIED LEARNING & CONCENTRATION	50

Concentration: Corrections

Core Courses plus All of the Following:

LAT 420	Civil Rights Law	3
LAW 200	Penology and Corrections	3
LAW 270	Probation and Parole	3
LAW 300	Criminal Justice Communications	3
LAW 460	Administration and Planning	3
SOC 430	Criminology	3
	<i>Total Concentration</i>	<u>18</u>
	TOTAL CORE, APPLIED LEARNING & CONCENTRATION	51

Choice of a second major, minor, approved certificate OR restricted electives (Choose 12 credit hours from the following courses):

LAT 340	Study Away in Criminal Justice & Legal Studies (1-3)
LAT 370	Domestic Relations (3)
LAT 492	Selected Legal Topics (1-3)
LAW 280	Criminalistics (5)
LAW 315	Criminal Justice Concepts and Issues (3)
LAW 320	Criminal Evidence (3)
LAW 365	Practicum I (3)
LAW 392	Selected Criminal Justice Topics (1-3)
LAW 405	Research Methods (3)
LAW 420	Quantitative Analysis in Criminal Justice (3)
LAW 440	Juvenile Law and Procedures (3)
LAW 450	Independent Research (1-6)
LAW 465	Internship (3)
LAW 470	Senior Seminar (3)
LAW 492	Advanced Selected Criminal Justice Topics (1-3)
LAW 5**	Any course between LAW 500-599 (3)
PSY 230	Psychology of Communication (3)
SWK 325	Family and Child Welfare (3)
SWK 345	Substance Abuse and Dependence (3)
SWK 365	Death and Dying (3)

Concentration: Juvenile Delinquency*Core Courses plus All of the Following:*

LAT 370	Domestic Relations	3
LAW 200	Penology and Corrections	3
LAW 270	Probation and Parole	3
LAW 300	Criminal Justice Communications	3
LAW 440	Juvenile Law and Procedures	3
SOC 430	Criminology	3
	<i>Total Concentration</i>	<u>18</u>
	TOTAL CORE, APPLIED LEARNING & CONCENTRATION	51

Choice of a minor, approved certificate OR restricted electives (Choose 12 credit hours from the following courses):

LAT 340	Study Away in Criminal Justice & Legal Studies (1-3)	
LAT 420	Civil Rights Law (3)	
LAT 492	Selected Legal Topics (1-3)	
LAW 280	Criminalistics (5)	
LAW 315	Criminal Justice Concepts and Issues (3)	
LAW 320	Criminal Evidence (3)	
LAW 365	Practicum I (3)	
LAW 392	Selected Criminal Justice Topics (1-3)	
LAW 405	Research Methods (3)	
LAW 420	Quantitative Analysis in Criminal Justice (3)	
LAW 450	Independent Research (1-6)	
LAW 460	Administration and Planning (3)	
LAW 465	Internship (3)	
LAW 470	Senior Seminar (3)	
LAW 492	Advanced Selected Criminal Justice Topics (1-3)	
LAW 5**	Any course between LAW 500-599 (3)	
PSY 230	Psychology of Communication (3)	
PSY 309	Abnormal Psychology (3)	
SWK 325	Family and Child Welfare (3)	
SWK 345	Substance Abuse and Dependence (3)	
SWK 365	Death and Dying (3)	

Concentration: Law Enforcement*Core Courses plus All of the Following:*

LAW 130	Modern Police Procedures	3
LAW 140	Traffic Control and Accident Investigation	3
LAW 275	Police Photography	2
LAW 280	Criminalistics	5
LAW 300	Criminal Justice Communications	3
LAW 460	Administration and Planning	3
	Total Concentration	<u>19</u>
	TOTAL CORE, APPLIED LEARNING & CONCENTRATION	52

Choice of a second major, minor, approved certificate OR restricted electives (Choose 12 credit hours from the following courses):

LAT 340	Study Away in Criminal Justice & Legal Studies (1-3)	
LAT 370	Domestic Relations (3)	
LAT 420	Civil Rights Law (3)	
LAT 492	Selected Legal Topics (1-3)	
LAW 200	Penology and Corrections (3)	
LAW 270	Probation and Parole (3)	
LAW 315	Criminal Justice Concepts and Issues (3)	
LAW 320	Criminal Evidence (3)	
LAW 365	Practicum I (3)	

LAW 392	Selected Criminal Justice Topics (3)
LAW 405	Research Methods (3)
LAW 420	Quantitative Analysis in Criminal Justice (3)
LAW 440	Juvenile Law and Procedures (3)
LAW 450	Independent Research (1-6)
LAW 465	Internship (3)
LAW 470	Senior Seminar (3)
LAW 492	Advanced Selected Criminal Justice Topics (1-3)
LAW 5**	Any course between LAW 500-599 (3)
POL 100	Critical Aspects of Policing I (3)
POL 130	Critical Aspects of Policing II (3)
POL 150	Police Methods and Operations (6-12)
PSY 230	Psychology of Communication (3)
PSY 309	Abnormal Psychology (3)
SOC 430	Criminology (3)
SWK 325	Family and Child Welfare (3)
SWK 345	Substance Abuse and Dependence (3)
SWK 365	Death and Dying (3)

Concentration: Legal Studies

Core Courses plus All of the Following:

LAT 115	Paralegal Studies	3
LAT 220	Legal Research	3
LAT 225	Litigation	3
LAT 250	Legal Computer Applications	3
LAT 310	Legal Drafting	3
LAT 400	Advanced Legal Research	3
	<i>Total Concentration</i>	18
	TOTAL CORE, APPLIED LEARNING & CONCENTRATION	51

Choice of a second major, minor, approved certificate OR restricted electives (Choose 12 credit hours from the following courses):

LAT 230	Real Property (3)
LAT 320	Tort Law (3)
LAT 340	Study Away in Criminal Justice & Legal Studies (1-3)
LAT 360	Probate Law (3)
LAT 370	Domestic Relations (3)
LAT 420	Civil Rights Law (3)
LAT 430	Conflict Management (3)
LAT 492	Selected Legal Topics (1-3)
LAW 315	Criminal Justice Concepts and Issues (3)
LAW 320	Criminal Evidence (3)
LAW 365	Practicum I (3)
LAW 392	Selected Criminal Justice Topics (3)
LAW 405	Research Methods (3)
LAW 420	Quantitative Analysis in Criminal Justice (3)
LAW 440	Juvenile Law and Procedures (3)
LAW 450	Independent Research (1-6)
LAW 460	Administration and Planning (3)
LAW 465	Internship (3)
LAW 470	Senior Seminar (3)
LAW 492	Advanced Selected Criminal Justice Topics (1-3)
LAW 5**	Any course between LAW 500-599 (3)
GBA 211	Business Law I (3)
GBA 311	Business Law II (3)
PSY 230	Psychology of Communication (3)

SWK 325	Family and Child Welfare (3)
SWK 345	Substance Abuse and Dependence (3)
SWK 365	Death and Dying (3)

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

Major in Criminal Justice

Major Requirements

		<i>Credits</i>
LAT 335	Introduction to Mediation	3
LAW 100	Introduction to Criminal Justice	3
LAW 110	Juvenile Delinquency	3
LAW 190	Criminal Investigation	3
LAW 260	Criminal Law	3
LAW 280	Criminalistics	5
LAW 305	Introduction to Theories of Crime	3
LAW 325	Understanding Research in Criminal Justice	3
MAT 110	Contemporary Problem Solving	OR
MAT 112	Finite Mathematics	OR
MAT 116	College Algebra	3
PSY 101	General Psychology	OR
SOC 110	Introduction to Sociology	3

Plus 17-18 credits of restricted electives: 17-18

ENG 108	College Writing & Research
LAW 130	Modern Police Procedures
LAW 140	Traffic Control & Accident Investigation
LAW 200	Penology and Corrections
LAW 270	Probation & Parole
LAW 275	Police Photography
LAW 300	Criminal Justice Communications
LAW 315	Criminal Justice Concepts and Issues
LAW 320	Criminal Evidence (3)
LAW 365	Practicum I (3)
LAW 392	Selected Criminal Justice Topics (1-3)
LAW 410	Intermediate Criminal Law
LAW 440	Juvenile Law & Procedures
LAW 460	Administration and Planning
LAW 465	Internship
POL 100	Critical Aspects of Policing I (3)
POL 130	Critical Aspects of Policing II (3)
POL 150	Police Methods and Operations (6-12)
PSC 101	American National Government
PSC 110	American State and Local Government
PSY 101	General Psychology
PSY 309	Abnormal Psychology
SOC 110	Introduction to Sociology
SOC 430	Criminology
SWK 325	Family and Child Welfare (3)
SWK 345	Substance Abuse and Dependence (3)
SWK 365	Death and Dying (3)

TOTAL CREDITS

52-53

MINOR REQUIREMENTS

Minor in Criminal Justice

The following courses are required for the Minor in Criminal Justice. No more than 6 hours of D will be permitted.

A. Required (3 hours)		
LAW 100	Introduction to Criminal Justice	3
B. Choose one of the following (3 hours)		
LAW 110	Juvenile Delinquency	3
LAW 130	Modern Police Practices	3
LAW 200	Penology and Corrections	3
C. Choose one of the following (3 hours)		
LAW 260	Criminal Law	3
LAW 305	Introduction to Theories of Crime	3
D. Choose one of the following options (9 hours)		
1.	LAT 101, LAT 335 and LAT 420	OR
2.	9 credits in LAW courses, 6 hours of which must be 300 level or higher.	9
	TOTAL HOURS	18

LEGAL STUDIES

The Legal Studies Program offers a course of study designed to prepare the individual to work in the new and evolving paralegal profession. A student in this program will be taught the skills needed to obtain an entry level position as a legal assistant. The skills the student will learn include legal research, interviewing, investigation, legal drafting, preparation of evidence and witnesses for trial, and assisting in the trial of a lawsuit.

This program prepares individuals for career opportunities in small law firms, large law firms of fifty attorneys or more, legal departments of banks, insurance companies, land title insurance companies and other corporations, legal aid offices, public defender offices, the office of the prosecuting attorney, and municipal legal departments.

Paralegals cannot practice law. Only attorneys, who are licensed in the state by the Supreme Court, can practice law.

To graduate from the program students must:

- Satisfactorily complete all courses required in the program;
- Perform legal research and analysis by using legal research material;
- Draft and prepare legal documents;
- Identify and explain the various functions performed by a legal assistant;
- Explain the role of the legal assistant working in a law office;
- Identify ethical issues, rules and standards that a legal assistant must follow when working under an attorney's supervision (a legal assistant's conduct is expected to conform to these ethical standards); and
- Perform the functions of a legal assistant under the supervision of a practicing attorney.

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

Major in Legal Assistant

The Associate of Science degree with a major in Legal Assistant is designed to provide those individuals who have little or no background or training in law with the skills necessary to work in a law office as an assistant to an attorney.

Required Courses (33 credits)			<i>Credits</i>
LAT	101	Introduction to Law	3
LAT	115	Paralegal Studies	3
LAT	220	Legal Research	3
LAT	225	Litigation	3
LAT	250	Legal Computer Applications	3
LAT	310	Legal Drafting	3
LAT	400	Advanced Legal Research	3
LAW	365	Practicum I	3
ENG	108	College Writing & Research	3
MAT	110	Contemporary Problem Solving (or higher)	3
PSC	101	American National Government	3
Restricted Legal Electives (12 Credits)			12
LAT	230	Real Property (3)	
LAT	320	Tort Law (3)	
LAT	335	Introduction to Mediation (3)	
LAT	340	Study Away in Criminal Justice & Legal Studies (1-3)	
LAT	360	Probate Law (3)	
LAT	370	Domestic Relations (3)	
LAT	420	Civil Rights Law (3)	
LAT	430	Conflict Management (3)	
LAT	492	Selected Legal Topics (1-3)	
LAW	320	Criminal Evidence (3)	
LAW	465	Internship (3)	
GBA	211	Business Law I (3)	
GBA	311	Business Law II (3)	
SWK	325	Family and Child Welfare (3)	
SWK	345	Substance Abuse and Dependence (3)	
SWK	365	Death and Dying (3)	
TOTAL			45

CERTIFICATE REQUIREMENTS

Legal Assistant Certificate

The specialized Legal Assistant Certificate program enables students to focus on the technical, legal specialty courses that will enable them to work as legal assistants. The program is designed for the student who has already earned a substantial number of college credits, or even a college degree, and by reason of education and experience, only needs selected courses to round out her/his education.

Entrance Requirements

Students must have earned at least 30 college credits prior to enrolling in the program. Eighteen of these hours must be general education elective credits. General education is defined as post-secondary courses in the following areas: 1) language and composition, 2) mathematics, 3) social and behavioral sciences, 4) physical and biological sciences, and 5) theater and humanities. This must include ENG104 and ENG108 (or their equivalents or otherwise demonstrate a proficiency in English).

To earn a legal assistant certificate, the student must complete the following requirements:

1. Complete all core requirements (24 credits);
2. Complete at least 3 restricted electives (9 credits); and
3. Maintain a grade-point average of 2.5 or higher.

Core Requirements (24 credits)			<i>Credits</i>
LAT	101	Introduction to Law	3
LAT	115	Paralegal Studies	3
LAT	220	Legal Research	3
LAT	225	Litigation	3
LAT	250	Legal Computer Applications	3
LAT	310	Legal Drafting	3
LAT	400	Advanced Legal Research	3
LAW	365	Practicum I	3
Restricted Electives (9 hours)			9
LAT	230	Real Property (3)	
LAT	320	Tort Law (3)	
LAT	335	Introduction to Mediation (3)	
LAT	340	Study Away in Criminal Justice & Legal Studies (1-3)	
LAT	360	Probate Law (3)	
LAT	370	Domestic Relations (3)	
LAT	420	Civil Rights Law (3)	
LAT	430	Conflict Management (3)	
LAT	492	Selected Legal Topics (1-3)	
LAW	320	Criminal Evidence (3)	
GBA	211	Business Law I (3)	
GBA	311	Business Law II (3)	
SWK	325	Family and Child Welfare (3)	
SWK	345	Substance Abuse and Dependence (3)	
SWK	365	Death and Dying (3)	
TOTAL			33

MINOR REQUIREMENTS

Minor in Legal Studies

Requirements			<i>Credits</i>
LAT	101	Introduction to Law	3
Select 6 of the following (3 credits each)			18
LAT	115	Paralegal Studies	
LAT	220	Legal Research	
LAT	225	Litigation	
LAT	250	Legal Computer Applications	
LAT	310	Legal Drafting	
LAT	335	Introduction to Mediation	
LAT	370	Domestic Relations	
LAT	400	Advanced Legal Research	
TOTAL			21

SOCIAL WORK

The principal educational objective of the social work major is to prepare graduates for beginning generalist social work practice with individuals, groups, families, organizations, communities, and institutions. Students will gain knowledge and skills in the areas of values and ethics, diversity, social and economic justice, populations-at-risk, human behavior and the social environment, social welfare policy and services, social work practice, and research. The program culminates in a semester-length, supervised practicum that allows students to function as student social workers in an area human service agency. The social work program is accredited by the Council on Social Work Education.

Admission to the Bachelor of Social Work Program

The social work program operates under a selective admissions policy. Students are considered "pre-majors" until they meet the minimum requirements to be accepted as a social work major. Admission to the social work program involves the completion of an application packet. Minimum requirements for admission into the social work major include:

- Completion of the general studies math requirement;
- Completion of the ENG108 general studies requirement;
- Completion of BIO101 (or equivalent); and
- Completion of SWK250, SOC110, PSY101, and ENG108 with a minimum grade of C in each course;
- Must have a minimum overall GPA of 2.5;
- Must have earned a C or better in all completed SWK prefix classes;
- Must agree to and conduct themselves in a manner consistent with accepted professional social work practices and the current NASW Code of Ethics (see Social Work Student Handbook);
- Cannot have exhibited behavior that will infringe on their present or future ability to adequately fulfill professional social work responsibilities. The social work program's admissions committee reserves the right to require applicants to submit additional materials if the Committee questions the student's ability to adequately fulfill professional responsibilities (see Social Work Student Handbook);
- Cannot have violated the University Code of Conduct / Student Disciplinary Code

Students must complete the social work admission process prior to enrolling in SWK360 and must submit completed application packets no later than the first Friday in October or March. The social work program's admissions committee will review all application packets and interview all applicants. Admission decisions are based on a student's academic performance; professional, personal, and academic conduct; references; and responses to application and interview questions.

Social work majors must successfully complete a second formal application process before entering SWK480 and SWK485. To be eligible to enroll in SWK480 and SWK485, students must have earned a minimum grade of C in all completed SWK prefix courses and carry a minimum overall GPA of 2.5. Students applying to enter the social work practicum must submit an application and practicum essay (outline available from the Field Practicum Coordinator), and complete interviews with the Field Coordinator and prospective field instructors (agency social workers). Practicum planning regularly begins one or two semesters prior to entering the practicum. While every effort is made to identify those students ready for field practicum, it is the student's responsibility to notify the Field Practicum Coordinator of his/her intent to apply to the social work practicum. In accordance with Council of Social Work Education standards, MWSU does not grant academic credit, course waivers, or field practicum credit for previous life or work experiences.

Once admitted to the social work program, social work majors are expected to maintain professional and academic standards of conduct. The social work program at Missouri Western reserves the right to place a student on probationary status or remove a student from the major because of violations of these standards (see Social Work Student Handbook).

THE SOCIAL WORK PROGRAM'S MISSION STATEMENT

The social work program's mission is to prepare undergraduate students for ethical and effective generalist social work practice with individuals, families, groups, organizations, communities, and society in Northwest Missouri, and surrounding areas. Social work graduates will value human dignity, social and economic justice, and human and cultural diversity. They will competently serve individuals from diverse backgrounds including persons who are poor, vulnerable, and oppressed and work to reduce poverty, oppression, and discrimination by making government and social services agencies more just and responsible to consumer needs. In addition to preparing competent social workers, MWSU's social work program is dedicated to offering its professional expertise and academic resources to support the community in efforts devoted to enhancing human well-being and social economic justice.

Social Work Degree Requirements

To graduate with a B.S.W., students must:

- Maintain a 2.5 overall GPA;
- Earn at least a C or equivalent in all SWK prefix courses; and
- Continue to meet the professional and academic standards of conduct.

Major In Social Work

			<i>Credits</i>
	Core		
SWK	250	Introduction to Social Work	4
SWK	320	Philosophy & Policy in Social Services I	3
SWK	330	Human Behavior and the Social Environment I	3
SWK	340	Human Behavior and the Social Environment II	3
SWK	350	Social Work Practice I	4
SWK	360	Social Work Practice II	3
SWK	415	Social Work Practice III	4
SWK	420	Philosophy & Policy in Social Services II	3
SWK	480	Practicum in Social Work	10
SWK	485	Practicum Seminar	2
		TOTAL CORE	39

Applied Learning Research Requirement

Select one course from line 1 (a) and complete line 1 (b) in full OR complete line 2 in full

1.	(a)	GBA210, MAT132, NUR314, PSY300*	3
	(b)	SOC460 and SOC465 or SWK465	6
		OR	
2.		LAW255, LAW405 and LAW420	9
		TOTAL APPLIED LEARNING	9
		TOTAL CORE + APPLIED LEARNING	48

*PSY200 is a prerequisite for PSY300.

Restricted Electives

9 credits from the following courses:

SWK260, SWK325, SWK345, SWK365, SOC230, SWK270, SOC400		
TOTAL RESTRICTED ELECTIVES		9
TOTAL CORE, APPLIED LEARNING & RESTRICTED ELECTIVES		57

General Studies Requirements

General Studies Math Requirement	3/4/5
ENG 108 College Writing & Research	3
COM 104 Oral Communications	3
BIO 101 Principles of Biology	5
ECO 101 Current Issues in the Economy	OR
ECO 260 Principles of Macroeconomics	3
PSY 101 General Psychology	3
SOC 110 Introduction to Sociology	3
PSC 101 American National Government	3

*MAT116 is preferred if graduate school bound.

INTERDEPARTMENTAL MINORS**Minor in Childhood Studies**

Refer to the Interdepartmental Studies catalog section for specific requirements.

Minor in Peace & Conflict Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

CRIMINAL JUSTICE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

LAW 100 Introduction to Criminal Justice (3) F, Sp, Su. A survey of the philosophical and historical background of the criminal justice system as it relates to the individual; reviews the principles underlying social organization control devices with an emphasis upon such legal systems as the criminal courts, corrections, and law enforcement; designed to provide general knowledge about the concept and causes of crime, the varying goals and objectives of the criminal justice system, and an assessment of specific role performance of various members of the criminal justice system including major aspects of civil process.

LAW 110 Juvenile Delinquency (3) F, Sp, Su. Studies the delinquent juvenile as an individual and the impact on society; investigates delinquency, causation, the role of the law enforcement officer, the juvenile officer, the juvenile court, and juvenile corrections.

LAW 130 Modern Police Procedures (3) F, Sp. Examines issues critical to the policing of today's society. Although the primary focus will be on problems faced by street officers, the philosophical concepts will be of concern to anyone in the criminal justice system.

LAW 140 Traffic Control and Accident Investigation (3) F, Sp. Introduction to traffic control and accident investigation in modern cities; reviews principles of organizing and administering police units for traffic enforcement, accident prevention, and safety education; presents basic techniques of accident investigation, analysis, and interpretation.

LAW 190 Criminal Investigation (3) F, Sp, Su. A course on modern investigative methodology. All aspects of the criminal investigative function of the police are fully covered from the preliminary investigation to the preparation of the case for review by the prosecutor. Particular attention is given to the importance of information, interrogation, and instrumentation in the solution and preparation of criminal cases for trial. Prerequisite: LAT101 or LAW100.

LAW 200 Penology and Corrections (3) F, Sp. The origins and theories of punishment and the prison system; introduces principles and programs of institutional correction and special problems in administration; reviews modern recommendations for improvement of the system. Prerequisite: LAW100.

LAW 260 Criminal Law (3) F, Sp, Su. Explores the origin, development, and classification of substantive criminal law; reviews the rules of evidence of particular importance at the operational level of law enforcement and criminal procedures in arrest, force, search, and seizure. Prerequisite: Completion of 9 credit hours in criminal justice or legal studies.

LAW 270 Probation and Parole (3) F, Sp. Examines probation, parole and alternatives to confinement and their effectiveness in curbing future criminal behavior. Prerequisite: LAW100.

LAW 275 Police Photography (2) F, Sp. To introduce students to the principles and practices of police photography. They will learn the legal issues for the development of evidence and the way photography is used in the field of criminal justice. Prerequisite: Completion of 6 credit hours in criminal justice or legal studies or permission of the instructor.

LAW 280 Criminalistics (5) F, Sp. Introductory survey of modern methodology for police laboratories and introduces the means of achieving high degrees of proficiency in the field of scientific criminal inquiries with the use of laboratory equipment. This will allow the student the opportunity to have actual experience in utilizing the techniques performed in the forensic laboratory. Prerequisite: Completion of LAW190.

LAW 283 Introduction to Research Methods in Criminal Justice/Legal Studies (1-2) (DD). Introduction to basic research in criminal justice or legal studies. Individual and team projects involving methods for solving criminal justice or legal studies-related research problems. Prerequisite: Departmental approval.

LAW 300 Criminal Justice Communications (3) F, Sp. The study of interviewing and interrogation as an oral form of communication; the legal guidelines, and the techniques used in the field of criminal justice. The development of technical writing skills to transfer oral communications into written materials, in the form of narrative reports to be used in the criminal justice field. Prerequisites: ENG104 and COM104.

LAW 305 Introduction to Theories of Crime (3) F, Sp, Su. LAW 305 provides an introduction to the study of crime and causation of crime from the interdisciplinary perspectives of sociology, psychology, and biology. This course is primarily concerned with understanding the causes of crime, examining some of the most influential explanations for criminal behavior. Also, this course examines various categories of crimes such as (1) violent crimes, (2) property crimes, (3) white collar and organized crimes, (4) public order crimes and (5) cyber crime and technologies. Prerequisite: 9 hours in criminal justice or permission of course instructor.

LAW 315 Criminal Justice Concepts and Issues (3) Sp. Gives students an opportunity to investigate selected problems or topics on a group discussion basis. Provides materials which reflect prevailing trends and fundamental concepts in criminal justice. Prerequisite: Completion of 9 credit hours in criminal justice or legal studies and LAW305.

LAW 320 Criminal Evidence (3) DD. Comprehensive study of evidentiary rules and procedures that apply to the enforcement of criminal law and to the stages of investigation and trial. Prerequisite: Completion of 9 credit hours in criminal justice or legal studies.

LAW 325 Understanding Research in Criminal Justice (3) F, Sp. An introduction to qualitative and quantitative criminal justice research method theory and techniques. In addition, this course will examine ethics, academic writing and the components of a research study. The student will also be responsible for the building and general interpretation of a database. Prerequisite: Completion of 9 credit hours in criminal justice, legal studies or social work and successful completion of the general studies math requirement, or permission of instructor. MAT112 is recommended, but not required.

LAW 365 Practicum I (3) DD. An applied learning experience designed to provide students with a practical experience that is supervised in a criminal justice or legal agency, monitored by the instructor. The student will be required to work at least 135 hours in the field. The experience in the field must be combined with further study of one aspect of the placement agency, which the student must research and write about in a term paper due at the end of the semester. May be repeated for up to 6 credit hours. Prerequisites: Declared criminal justice or legal studies major and completion of 9 credit hours in criminal justice or legal studies.

LAW 392 Selected Criminal Justice Topics (1-3) DD. Provides students with the opportunity to examine specialized or advanced topics in criminal justice. Topics will be offered on a rotating basis. These topics will usually be an in-depth examination of a subject introduced in other LAW courses. There may be an applied learning experience with this course, such as a trip or other related activity.

LAW 405 Research Methods (3) Sp. Provides the student an understanding of the practical usage of key methods of research and statistical evaluation in criminal justice and law. Methods will be demonstrated via classroom application and academic journal articles. The student will develop a research proposal in an area of his or her particular interest during this course. Prerequisite: LAW325 and successful completion of general studies math requirement or permission of course instructor.

LAW 410 Intermediate Criminal Law (3) F, Sp. Explores criminal law and examines court decisions as they pertain to functional law enforcement procedures. Prepares the individual to maintain professional skill levels in this area over an extended period of time. Prerequisite: LAW260.

LAW 420 Quantitative Analysis in Criminal Justice (3) F. Quantitative analysis bridges the gap between evaluation and policy implication by providing the student experience utilizing, interpreting, and presenting statistics and statistical models. A key component of this course will be examining restrictions on data and matching the appropriate statistical technique to the data source. Prerequisite: Completion of LAW405 or permission of course instructor.

LAW 440 Juvenile Law and Procedures (3) F, Sp. The jurisdiction of juvenile courts; their function and organization; processing the detention of juveniles; case disposition; juvenile statutes; and court procedures. Prerequisite: LAW110.

LAW 450 Independent Research/Project (1-6) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared criminal justice major, a minimum of 2.5 GPA in major field, and departmental approval.

LAW 460 Administration and Planning (3) F, Sp. An overview of administration and management in criminal justice organizations. This course utilizes both historical and current organizational theory, leadership, and planning. Examines the impact of communication, legal issues, ethics, and changing social standards. Prerequisite: Completion of 9 credit hours in criminal justice or legal studies.

LAW 465 Internship (3) F, Sp, Su. An academic program which offers criminal justice and legal studies majors an opportunity to integrate theory with actual practice. Students spend at least 135 hours in a position related to their major. Anticipated learning objectives are established in a contract agreed to by the student, the on-site supervisor and the course professor. The student will work with the faculty member to identify a topic during the Internship to develop further and present on in LAW470. May be repeated for up to 6 credit hours. Prerequisite: LAW 325.

LAW 470 Senior Seminar (3) F, Sp, Su. Designed for seniors majoring in criminal justice or legal studies; presents selected topics for group discussion, guest speakers, and the exploration of career options. Paper and PowerPoint presentation will be required, based on a topic developed during the Internship. This course should be taken during the student's senior year. Prerequisites: Senior standing and LAW465 or permission of course instructor.

LAW 492 Advanced Selected Criminal Justice Topics (1-3) DD. Senior level students are given the opportunity to study more advanced topics in criminal justice with either full time faculty or faculty with specialized credentials recruited from outside the University. There may be an applied learning experience with this course, such as a specialized lab component, study away or other related activity.

LAW ENFORCEMENT ACADEMY COURSES

POL 100 Critical Aspects of Policing I (3) DD. Utilizing concepts of substantive criminal law and criminal procedure, students will learn the appropriate application of criminal statutes as well as alternative methods of resolution. Topics include tactical communication and methods for overcoming communication obstacles when dealing with highly emotional matters commonly encountered in policing. Also examined will be various technical aspects of patrol operations and criminal investigations. This course will be one of a series of courses designed to meet Missouri POST requirements for a Class A License for Peace Officer Certification. (Note: A Peace Officer License does not empower the recipient with the authority to arrest or enforce any of the laws of the State of Missouri. This will occur only after the recipient has been employed and commissioned by a law enforcement agency.) Prerequisites: Permission of the Law Enforcement Academy Training Director.

POL 130 Critical Aspects of Policing II (3) DD. Builds on the foundations of Critical Aspects of Policing I. Through the integration of theory and practice students will continue to develop expertise for dealing with problems encountered by law enforcement officers. Emphasis will be placed on the development of proficiency and professionalism in interpersonal perspectives, as well as legal and technical areas of policing. This course will be one of a series of courses designed to meet Missouri POST requirements for a Class A License for Peace Officer Certification. (Note: A Peace Officer License does not empower the recipient with the authority to arrest or enforce any of the laws of the State of Missouri. This will occur only after the recipient has been employed and commissioned by a law enforcement agency.)

POL 150 Police Methods and Operations (6-12) DD. This course will cover a broad range of topics and utilize field experiences combined with critical thinking techniques to reinforce theory. Subjects will include legal aspects of policing, fundamentals of personal health and safety, methods of public service and protection, and use laboratory and practical experiences to develop expertise in the use of instrumentation and equipment commonly employed by law enforcement. This course will be one of a series of courses designed to meet Missouri POST requirements for a Class A License for Peace Officer Certification. (Note: A Peace Officer License does not empower the recipient with the authority to arrest or enforce any of the laws of the State of Missouri. This will occur only after the recipient has been employed and commissioned by a law enforcement agency.) Prerequisites: Permission of the Law Enforcement Academy Training Director.

LEGAL ASSISTANT COURSES

Waiving of any course prerequisites requires prior departmental authorization.

LAT 101 Introduction to Law (3) F, Sp, Su. Examines: the American legal system; the nature and functions of civil law; the function and structure of the state and federal court system and administrative agencies. The course also presents an overview of the trial of a civil lawsuit and a survey of the major areas of civil law.

LAT 115 Paralegal Studies (3) F, Sp. Examines the role of the legal assistant in the practice of law. The course will identify paralegal functions, types of employment for paralegals, the structure of a law office and law office systems. The course will examine issues regarding paralegal education, licensing of paralegals, paralegal professional ethics, and the unauthorized practice of law. Prerequisite: Credit or concurrent enrollment in LAT101.

LAT 220 Legal Research (3) F, Sp. Students examine the components of a law library. Through research projects and assignments, students gain experience working with legal reference material including statutes, cases, regulations and annotated summaries of law. Methods of legal writing and citation style are introduced. Prerequisite: Credit or concurrent enrollment in LAT101.

LAT 225 Litigation (3) F, Sp. Examines the procedures involved in a lawsuit. Subjects covered include: civil court procedures, types of lawsuits, pleadings, pretrial preparation, trial and post-trial procedures. The course will emphasize the role of the various people involved in this process. Prerequisite: LAT220.

LAT 230 Real Property (3) Sp. Presents the major legal concepts associated with the law of real property and real estate transactions. Emphasis on the historical common law concepts of property; present statutory structure; and common practices in the conveyance and ownership of real estate.

LAT 250 Legal Computer Applications (3) F, Sp. Examination of legal applications of computer technology. Students will examine the use of electronic resources to access, acquire, create and provide information electronically. The course will use commercial and non-commercial sources of information, software, and governmental / public domain material (statutes, regulations, cases). Students will learn to use personal computers for communication and to explore the Internet, Westlaw, Lexis, and other electronic sources. Prerequisite: Prior computer knowledge or course work is recommended for students, including word processing techniques, the Internet, and e-mail.

LAT 310 Legal Drafting (3) F, Sp. Technical skill course where students will learn the fundamentals of drafting legal documents in areas of Property, Torts, Business Organizations, Domestic Relations, and Contracts. Prerequisite: LAT225.

LAT 320 Tort Law (3) F. Studies the law in the areas of personal injury, malpractice and products liability law. Emphasis on the origin of these actions, the present state of the law, and the future in "Tort Reform" and Alternative Dispute Resolution. Prerequisite: LAT101.

LAT 335 Introduction to Mediation (3) F, Sp. In-depth examination of the mediation process. Students will learn methods to promote settlement in disputes.

LAT 340 Study Away in Criminal Justice & Legal Studies (1-3) DD. This course focuses on one or more criminal justice and legal studies issues and the institutions responsible for the creation and execution of the law (i.e., the judicial branch, the legislative branch and/or the executive branch of this or another country). Content of the course varies, but includes an applied learning experience involving travel to another part of the United States or another country. May be repeated for up to 12 hours of credit. Prerequisite: Completion of 45 college credit hours or instructor's permission.

LAT 360 Probate Law (3) F. Studies the origins and the present legal framework for the law of inheritance, guardianship/conservatorship, and trusts. Includes general principles of law, terminology, and theoretical basis of Probate. Prerequisite: LAT101.

LAT 365 Selected Topics in Peace & Conflict Studies (3) Sp (odd-numbered years). Specialized course work in interpersonal and/or international conflict studies. May be repeated as content varies. Same as PHL365, PSC365, and REL365.

LAT 370 Domestic Relations (3) F, Sp. Studies the law and court procedures concerning family relations. Emphasis will be on marriage and its validity, divorce, legal separation, child custody and visitation, child support and maintenance, guardianship, paternity, adoption and the Family Court. Students will research and write about issues concerning family law. Prerequisite: LAT101.

LAT 400 Advanced Legal Research (3) F, Sp. Students will integrate the use of the law library and computer legal research tools to develop advanced legal research and writing skills. Legal research and writing exercises will be used to prepare students to perform these more advanced tasks in a law office environment or in post-graduate work. Methods of legal writing and citation will be addressed as well. Prerequisites: LAT220 and LAT250 or permission of course instructor.

LAT 420 Civil Rights Law (3) F, Sp. Substantive law course examining actions brought by individuals who claim that their rights, under the United States Constitution, have been violated. Course will cover 42 U.S.C. Section 1983, Writ of Habeas Corpus, and actions brought directly under the United States Constitution. Prerequisite: LAT101 or permission of course instructor.

LAT 430 Conflict Management (3) Sp. Examines non-litigation forms of resolving legal disputes. Emphasis will be placed on Negotiation, Mediation and Arbitration.

LAT 492 Selected Legal Topics (1-3) F, Sp. Provides students with the opportunity to examine specialized or advanced topics of law. Topics will be offered on a rotating basis. These topics will usually be an in-depth examination of a subject introduced in other LAT courses.

SOCIAL WORK COURSES

Waiving of any course prerequisites requires prior departmental authorization.

SWK 250 Introduction to Social Work (4) F, Sp. Overview of professional social work practice including its history, philosophy, ethics, values, methods, and fields of practice. Forty hours of volunteer experience in an area human service agency required. Prerequisites: ENG104 and either PSY101 or SOC110, or departmental approval.

SWK 260 Introduction to Aging Studies (3) Sp. Overview of the physical, social, psychological, cultural, and economic aspects of aging, all from a social problems perspective; social policy and social work intervention issues pertaining to aging.

SWK 270 Selected Topics in Social Work (3) F, Sp. Study of a selected problem in social work practice, e.g., mental illness, chemical dependence, or child welfare. Course may be repeated for credit for each different topic.

SWK 283 Introduction to Research Methods in Social Work (1-2) DD. Introduction to basic research methods in social work. Individual and team projects involving methods for solving social work-related research problems. Prerequisite: Consent of department.

SWK 320 Philosophy and Policy in Social Services I (3) Sp. Historical significance of social legislation, its impact on the individual and society; social philosophy, social service, and social change. Prerequisites: A grade of C or better in SWK250, PSC101, SOC230, and either ECO101 or ECO260.

SWK 325 Family and Child Welfare (3) F. This course examines the field of family and child welfare. Students will explore the history of child welfare, the critical issues facing families and children in our society, the scope of family and child welfare services, and the social, political, legal and economic forces that shape family and children programs. Students will study families from a strengths-based, ecological perspective and will build sensitivity to various family forms, cultural patterns and issues that stem from social and/or economic injustice. Prerequisite: ENG108.

SWK 330 Human Behavior and the Social Environment I (3) F. Theories and knowledge of human bio-psycho-social-spiritual-cultural behavior within a systems framework, with an emphasis on individuals and families. Prerequisites: Junior standing, a grade of C or better in SWK250, and BIO101, or departmental approval.

SWK 340 Human Behavior and the Social Environment II (3) Sp. Theories and knowledge of human bio-psycho-social-spiritual-cultural behavior within a systems framework with a focus on groups, communities, organizations, and institutions. Prerequisite: A grade of C or better in SWK330.

SWK 345 Substance Abuse and Dependence (3) F, Sp. Provides an overview of the substance abuse and dependence field within a bio-psycho-social framework. The course will cover current and historical patterns of drug use; etiological theories and connected research; substance abuse effects on individuals, families, and society; physiological, psychosocial, and cultural aspects of psychoactive substances; basic pharmacology of alcohol and other abused substances; socio-cultural values and their implications for public policy and prevention; assessment and diagnosis of substance abuse/dependence disorders; substance abuse and dependence in special populations, overview of the treatment process and service delivery systems; the recovery process, relapse and relapse prevention and the impact of substance abuse and recovery on family systems. Prerequisite: PSY101 or SOC110.

SWK 350 Social Work Practice I (4) F. Introduces generalist social work practice with individuals and families. Covers the nature of social work practice, practice theory, ethics and values, the social work relationship, interviewing, the problem-solving process, assessment, planning, intervention, and practice evaluation. Three hours lecture, two hours lab per week. Prerequisites: Junior standing, a grade of C or better in SWK250, and a grade of C or better or concurrent enrollment in both SWK330 and SOC230.

SWK 360 Social Work Practice II (3) Sp. Continuation of SWK350. Focuses on group work within the generalist social work perspective. Covers group theory, ethics and values, problem-solving process, assessment, planning, intervention, and practice evaluation applied to task and treatment groups. Prerequisites: Declared social work major, SWK330, credit or concurrent enrollment in SWK340, and a grade of C or better in SWK350.

SWK 365 Death and Dying (3) F. Cultural views and customs regarding death and dying; stages of death and dying; abnormal grief reactions, issues pertaining to children and death, role of spirituality; functions of health care systems and interdisciplinary teams.

SWK 415 Social Work Practice III (4) F. Continuation of SWK350 and SWK360. Applies the planned change process to interventions with organizations, communities and institutions within the generalist social work perspective. Students complete a community development/organizing project in a local community. Prerequisites: Declared social work major and a grade of C or better in both SWK340 and SWK360.

SWK 420 Philosophy and Policy in Social Services II (3) F. Continuation of SWK320. Analyzes the philosophy and policies of presently active social agencies; policy reforms and evaluation of their possible effectiveness. Prerequisites: Declared social work major and a grade of C or better in SWK320.

SWK 450 Independent Research/Project (1-5) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared social work or interdisciplinary studies major and departmental approval.

SWK 465 Advanced Research Project (3) Sp. Students will design and conduct an empirical research project focused on a relevant social issue or concern. Same as SOC465. Prerequisites: PSY300 or equivalent with departmental approval and a grade of C or better in SOC460.

SWK 480 Practicum in Social Work (10) Sp. Students spend a minimum of 456 hours in an agency setting under the supervision of trained social work professionals. To be taken concurrently with SWK485. Graded on a pass/fail basis. Prerequisites: Formal acceptance into the social work practicum program, a minimum of 2.5 overall GPA and a grade of C or better in SWK250, SWK320, SWK330, SWK340, SWK350, SWK360, SWK415 and SWK420, and a grade of C or higher in all other SWK courses.

SWK 485 Social Work Practicum Seminar (2) Sp. Focuses on the development and enhancement of the student's practice skills and the integration of practicum and class content. To be taken concurrently with SWK480. Prerequisites: Declared social work major, acceptance into the practicum program, a minimum of 2.5 overall GPA, a grade of C or better in SWK250, SWK320, SWK330, SWK340, SWK350, SWK360, SWK415 and SWK420, and a grade of C or higher in all other SWK courses.

Department of Education

271-4332

<http://www.missouriwestern.edu/Education/>

BECOMING A TEACHER LEADER:

TAKING RESPONSIBILITY FOR STUDENT LEARNING

The Department of Education is concerned with the total process of helping individuals become teachers. Students who wish to become early childhood, elementary or secondary educators learn to understand and utilize the principles of learning, human growth, and development, and interpersonal relationships. The department also provides specialized educational experiences in participating elementary K-12, and secondary schools under the supervision of experienced teachers. The professional training of a prospective teacher is normally scheduled throughout the sophomore, junior, and senior years, culminating with a final professional semester. The four-phase professional education sequence complements a broad education curriculum. A sound command of a major teaching field is integrated throughout the student's four-year program. The Missouri Western State University Teacher Education Program is accredited by the National Council for Accreditation of Teacher Education (NCATE) and approved by the Missouri Department of Elementary and Secondary Education (DESE). The Department of Education offers a major in Early Childhood Education and Elementary Education for the degree of Bachelor of Science in Education. The Bachelor of Science in Education with concentration in secondary education is offered in conjunction with other departments. All degree programs satisfy the appropriate requirements for teacher certification as established by the Missouri Department of Elementary and Secondary Education. To be certified to teach, students must fulfill all degree requirements, achieve a passing score on the appropriate Content Area Assessment as mandated by the Missouri Department of Elementary and Secondary Education, and according to section 168.031 of the Missouri School Laws, present evidence of good moral character.

In accordance with Title II of the 1998 Higher Education Act, MWSU can provide the following information about the teacher education program:

- Program information: Number of students, amount of required supervised practice teaching, and the student-faculty ratio in supervised practice teaching;
- Quality indicators: Performance of students completing the program on initial state licensing and certification assessments in the area of specialization and comparison of quality indicators with other programs in the state;
- State designation: Whether the program has been designated as "low-performing".

For additional or updated information, please refer to the MWSU website.

ADMISSION REQUIREMENTS

Admission to teacher education is dependent upon Application for Admission made in the Education Department and meeting the criteria listed below. Until official acceptance, students may apply to be pre-majors in Elementary Education or in their secondary discipline.

Admission criteria are:

1. A. ACT composite score on file and
B. Successful completion of the Missouri General Education Assessment (MoGEA)

2. Overall GPA of 2.75
3. Education course GPA of 3.0
4. Content area GPA of 3.0
5. Satisfactory completion of EDU202/203.

Low Performance in Major Courses

A student will be removed from the Elementary Education and Early Childhood Education Program or denied admission if he/she earns a total of three Ds or Fs in major courses. Even if a course is repeated, all grades are counted toward this total. The student can appeal removal from or denial of admission to the program to the Teacher Education Admission and Retention Committee (TEARC) but must present evidence of unforeseen circumstances and/or unexpected emergencies. If the appeal to TEARC fails, the student will be allowed to re-enter or be admitted to the teacher education program after a five-year academic holiday and a positive recommendation from TEARC.

GRADUATION AND CERTIFICATION REQUIREMENTS

Upon completion of the following academic requirements the student will be eligible for a State of Missouri Teaching Certificate (PC I) and will be prepared for employment or for graduate study in education or related fields.

1. Minimum grade of C in student teaching. Note that admission to student teaching requires an overall GPA of 2.75 or above, and a GPA of 3.0 or above in the major, content-area classes, and in education courses with no grade lower than a C in any of the required major courses, any required Education courses, and/or required courses in areas of concentration.
2. Completion of degree requirements; overall GPA 2.75; content area GPA 3.0; education course GPA of 3.0 or higher.
3. Passing score on the Content Area Assessment as mandated by the Missouri Department of Elementary and Secondary Education.
4. Successful performance on the Standards-Based Performance Assessment as mandated by the Missouri Department of Elementary and Secondary Education completed upon program entry and exit.

In addition to academic credentials, certification requires appropriate professional conduct, background checks, and fingerprinting. Missouri Law 168.071.1 states, "The State Board of Education may refuse to issue or renew, or may, upon hearing, suspend or revoke a certificate of license to teach (upon conviction of a felony or crime involving moral turpitude by any certificate holder, including any such person employed by a non-public school) if a certificate holder or applicant for a certificate has pleaded or been found guilty of a felony or crime involving moral turpitude under the laws of this State or any State or of the United States, or any other country, whether or not the sentence is imposed." A person fulfilling degree requirements may be eligible to graduate from Missouri Western State University with or without teacher certification.

Note: Special circumstances could result in meeting graduation requirements without certification.

EARLY CHILDHOOD EDUCATION

The Department of Education faculty is committed to the professional preparation of teachers for employment in elementary education programs. The goals are to prepare teachers who are:

- Classroom leaders, professionally prepared to accept responsibility for student learning (MWSU Conceptual Framework);
- Highly knowledgeable in their cognitive areas (MoSPE/MWSU/INTASC Standards);
- Skilled in the techniques and methods of teaching across a diverse student population (MoSPE/MWSU/INTASC Standards);
- Practiced in the application of four domains of positive teacher dispositions (MWSU Disposition);
- Proven in the demonstration of ten essential professional behaviors (MWSU Professional Behaviors).

Degree Requirements for Early Childhood Education

EDU 202	Introduction to Education	3
EDU 203	Participation in Teaching I	1
EDU 225	Educational Psychology	2
EDU 308	Multicultural Education	2
EDU 310	Introduction to Reading	3
EDU 315	Psychology and Education of the Exception Child	2
EDU 331	Instructional Media & Technology	2
EDU 333	Science and Social Studies Methods for Young Children	3
EDU 358	Introduction to Early Childhood	2
EDU 360	Assessing and Individualizing Reading	3
EDU 370	Behavior Management	2
EDU 374	Literacy Development in Early Childhood	3
EDU 414	Language Development for Educators	3
EDU 418	Assessing and Evaluating in Early Childhood	3
EDU 421	Family, Community, and Schools-Partnering for Young Children	3
EDU 422	Issues and Trends in the Ed. and Man. of Prog. for Young Child.	3
EDU 440	Curriculum, Methods, and Materials for Early Childhood	3
EDU 460	Experience in Teaching Early Childhood	2
EDU 462	Early Childhood Student Teaching III	12
PED 392	Child Growth and Motor Development	3
EDU 351	Mathematics Methods for Early Childhood and Elementary Education	3
ENG 403	Literature for Children	3
PSY 101	General Psychology	3
*ART300 or MUS220 Elementary Art or Mus for Ele. Teachers		3
Restricted Electives		<u>12</u>
TOTAL		83

* Candidates who took MUS101 for General Studies must take ART300.
Candidates who took ART100 for General Studies must take MUS220.

Any of the courses above for the professional sequence must be completed with a grade of C or better.

The Professional Semester - Early Childhood

A student enrolled in Early Childhood Student Teaching will assume the daily teaching schedule of the cooperating teacher.

Early Childhood Student Teaching (EDU462) is to be taken during the student's senior year. A passing score on the appropriate Content Area Assessment is required before enrollment in EDU462.

Course work during the professional education semester is usually limited to EDU462. Petition for any additional course work must be submitted to the Education Department in the semester prior to Student Teaching.

B.S. in Early Childhood Education without Certification Option

Early Childhood Education majors lacking only EDU462 Early Childhood Student Teaching (12 credits) may choose a B.S. in Education Degree without certification option. If they have met the degree requirements of 124 credit hours, at least 60 credit hours from a four-year institution, and at least 30 of the last 45 hours from MWSU, their program is complete.

Early Childhood Education majors short of hours may complete the program by choosing from the following categories:

Category A: Any course(s) from the Childhood Studies minor

Category B: Any course(s) selected from the Early Childhood restricted electives

NOTE:

1. No passed courses may be repeated.
2. Courses must be passed at a C or better.
3. Election of the B.S. In Early Childhood Education without certification option must be approved by the Department Chairperson.

ELEMENTARY EDUCATION

The Department of Education faculty is committed to the professional preparation of teachers for employment in elementary education programs. The goals are to prepare teachers who are:

- Classroom leaders, professionally prepared to accept responsibility for student learning (MWSU Conceptual Framework);
- Highly knowledgeable in their cognitive areas (MoSPE/MWSU/INTASC Standards);
- Skilled in the techniques and methods of teaching across a diverse student population (MoSPE/MWSU/INTASC Standards);
- Practiced in the application of four domains of positive teacher dispositions (MWSU Disposition);
- Proven in the demonstration of ten essential professional behaviors (MWSU Professional Behaviors).

Degree Requirements for Elementary Education

	<i>Credits</i>
* EDU 202 Introduction to Education	3
* EDU 203 Participation in Teaching I	1
EDU 225 Educational Psychology	2
* EDU 303 Experience in Teaching II	2
* EDU 304 Applied Methods and Management	3
EDU 308 Multicultural Education	2
EDU 310 Introduction to Reading	3
* EDU 315 Psychology and Education of the Exception Child	2
EDU 320 Language Arts Methods	2
EDU 330 Science Methods in Early Childhood, Elementary & Middle School	3
EDU 331 Instructional Media & Technology	2
EDU 340 Social Studies Methods for the Elementary & Middle School Teacher	3
EDU 360 Assessing and Individualizing Reading	3
EDU 375 Teaching Reading in the Elementary School	2
* EDU 403 Seminar in Elementary Education & Human Relations	3
* EDU 408 Elementary Student Teaching III (see Professional Semester for prerequisites & requirements)	9
ENG 403 Literature for Children	3

PSY	101	General Psychology	3
EDU	351	Mathematics Methods for Early Childhood and Elementary Education	3
MAT	352	Mathematics for Elementary and Middle School Teachers I	3
MAT	353	Mathematics for Elementary and Middle School Teachers II	3
PED	370	Methods in Teaching Health and Physical Education	3
PHS	230	Physical Science for Elementary Teachers	3
** ART	300	Elementary Art Teaching: Philosophy & Methods	OR
** MUS	220	Music for the Elementary Classroom Teacher	3
TOTAL			69

* The Professional Sequence

** Candidates who took MUS101 for General Studies must take ART300.

Candidates who took ART100 for General Studies must take MUS220.

Plus a selected area of concentration.

Any of the courses above for the professional sequence must be completed with a grade of C or better.

The Area of Concentration

The elementary major must also select one area of academic subject concentration from a possible set of twelve areas to broaden one's expertise in at least one subject area. The requirements for each subject concentration are determined by the MWSU Education Department in consultation with the various academic departments.

Five of the concentration areas also yield an additional teaching certification (called an added endorsement) approved by the Missouri Department of Elementary and Secondary Education. Those five areas are: (1) early childhood education (birth to grade 3); (2) early childhood-special education (birth to grade 3); (3) mild-moderate cross categorical disabilities (K-12); (4) Special Reading (K-12); and (5) English to speakers of other languages (ESOL) (K-12).

The other subject areas of emphasis include English, Spanish, French, Foreign Language, mathematics or computer science, reading, general science, and social science. The specific course requirements for each area are available from the Education Department. Early planning of one's total program is facilitated by 4-year plans for B.S.E.-Elementary Education and Early Childhood Education.

The Professional Semester - Elementary Education

A student enrolled in Elementary Student Teaching will assume the daily teaching schedule of the cooperating teacher.

Elementary Student Teaching (EDU408) is to be taken during the student's senior year. Seminar in Elementary Education and Human Relations (EDU403) is to be taken concurrently with Elementary Student Teaching. A passing score on the Content Area Assessment is required before enrollment in EDU403 or EDU408.

Course work during the professional education semester is usually limited to EDU403 and EDU408. Petition for any additional course work must be submitted to the Education Department in the semester prior to Elementary Student Teaching.

Added Endorsements for Certified Areas of Concentration

Missouri Certification Required

*indicates Elementary Education Degree Requirement

Teaching Mild/Moderate

Cross Categorical Disabilities K-12

	<i>Credits</i>
* EDU 303 Exp Tch II	2
* EDU 310 Intro to Rdg	3
* EDU 315 Psy Ed Exc Ch	2
EDU 342 Eval of Abil/Ach	2
EDU 352 Intro to Cross-Categorical Disabilities	3
* EDU 360 Assess Indiv Rdg	3
EDU 370 Behvr Manag	2
* EDU 375 Teach Rdg in Ele Schl	2
EDU 386 Car Ed Trans Sp Ed	2
EDU 411 Meth Tch Cross-Cat	3
EDU 414 Lang Dev for Educators	3
EDU 420 Counsel Tech/Par	2
EDU 425 Exp Tch Cross-Cat.	6
* MAT 352 Math El/Mid Tch I	3
* MAT 353 Math El/Mid Tch II	3
PSY 319 Child/Adol Psy	3

Early Childhood/Special Education

* EDU 315 Psy Ed Exc Ch	2
EDU 342 Eval of Abil/Ach	2
EDU 357 Intro to ECSE Cur	3
EDU 359 Infants & Toddlers	2
EDU 370 Behav Manag	2
PED 392 Ch Growth/Motor Dev	3
EDU 414 Lang Dev for Educators	3
EDU 418 Early Childhood Assess	3
EDU 420 Counsel Tech/Par	2
EDU 421 Fam/Comm/Schools	3
EDU 422 Issues & Trends in the Educ of Young Children and the Mgmnt of Prog for Young Children	3
EDU 440 Cur Meth/Mat ECE	3
EDU 461 Exp Tch ECSE	6

Birth - Grade 3

	<i>Credits</i>
* EDU 303 Exp Tch II	2
* EDU 304 App Meth & Mgmt	3
* EDU 315 Psy Ed Exc Ch	2
* EDU 360 Assess Indiv Rdg	3
* EDU 403 Sem Ele Ed	3
* EDU 408 Ele Stu Tch III	9
EDU 358 Intro to ECE	2
EDU 414 Lang Dev for Edu	3
EDU 418 Early Childhood Assess	3
EDU 421 Fam/Comm/Schools	3
EDU 422 Issues & Trends in the Educ of Young Children and the Mgmnt of Prog for Young Children	3
EDU 440 Cur Meth/Mat ECE	3
EDU 460 Exp Tch ECE	2
* MAT 352 Math El/Mid Tch I	3
* MAT 353 Math El/Mid Tch II	3
* PED 370 Meth Tch Hlth/PhysEd	3
PED 392 Ch Growth/Motor Dev	3

Special Reading K-12

	<i>Credits</i>
EDU 311 Sec Reading Tech	2
EDU 312 Lab in Sec Rdg Tech	1
* EDU 342 Eval of Abil/ Ach	2
PSY 319 Child/ Adol Psych	3
EDU 370 Behavior Mgmt	2
EDU 414 Lan Dev for Edu	3
EDU 420 Counsel Tech/Parents	2
EDU 483 Prac I: Diagnosing Rdg Problems	3
EDU 484 Prac II: Remediation of Rdg Diff.	3
TOTAL	21

Candidate applies for certification after 2 years of classroom teaching experience.

ESOL Certification

Credits

- I. General Requirements:
A valid Missouri permanent of professional certificate or license to teach;
- II. Professional Requirements:
EDU 315 Psych & Educ of the Exceptional Child **AND**
EDU 311 Secondary Reading Techniques (2),
EDU 312 Lab in Sec Rdg Tech (1)
- III. Professional Requirements for ESOL - 21 hours consisting of the following courses:
ENG 232 Language Awareness (3)
COM 342 Intercultural Com (3)
EDU 308 Multicultural Educ (2)
TSL 467 Sec Lang Acquisition (3)
TSL 468 Methods of Teaching 2nd Lang Students (3)
TSL 469 Materials & Assessment for TESOL (3)
EDU 470 ESOL Practicum (3)
Three hours from among the following elective courses:
ENG 467 Grammar and the Teach of Grammar (3)
Any foreign language course (3) (test-out credit does not apply)

Other elective with program director's approval.

B.S. in Elementary Education without Certification Option

Elementary Education majors lacking only EDU403 Seminar in Elementary Education and Human Relations (3 credits) and EDU408 Elementary Student Teaching III (9 credits) may choose a B.S. in Education degree without certification option. If they have met the degree requirements of 124 credit hours, at least 60 credit hours from a four-year institution, and at least 30 of the last 45 hours from MWSU, their program is complete.

Elementary Education majors short of hours may complete the program by choosing from the following categories:

- Category A: Any course(s) from the Childhood Studies minor
- Category B: Any course(s) selected from the certified areas of concentration within Elementary Education.

NOTE:

1. No passed courses may be repeated.
2. Courses must be passed at a C or better.
3. Election of the B.S. in Elementary Education without certification option must be approved by the Department Chairperson.

SECONDARY EDUCATION

The Department of Education has an overall objective of providing secondary schools with the best possible teachers by providing secondary education graduates who are capable of:

- Classroom leaders, professionally prepared to accept responsibility for student learning (MWSU Conceptual Framework);
- Highly knowledgeable in their cognitive areas (MoSPE/MWSU/INTASC Standards);
- Skilled in the techniques and methods of teaching across a diverse student population (MoSPE/MWSU/INTASC Standards);
- Practiced in the application of four domains of positive teacher dispositions (MWSU Disposition);
- Proven in the demonstration of ten essential professional behaviors (MWSU Professional Behaviors).

Secondary Missouri teacher certification is available for grades 9 to 12 in most academic fields. In art, music, physical education and foreign languages, certification is available for kindergarten to grade 12. Students must have a grade-point average of 3.0 on a 4.0 scale in their content area and in education coursework and an overall GPA of 2.75.

Each of the following requirements must be met

1. Admission to Teacher Education Program. See Department of Education **ADMISSION REQUIREMENTS**;
2. Satisfactory completion of General Studies Requirements. See below;
3. Satisfactory completion of requirements for the major in the subject to be taught (art, biology, chemistry, English, French, mathematics, music, physical education, social sciences, Spanish, speech & theatre). See department of the major for more information.

The Professional Sequence

	<i>Credits</i>
EDU 202 Introduction to Education	3
EDU 203 Participation in Teaching I	1
EDU 225 Educational Psychology	2
EDU 303 Experience in Teaching II	2
EDU 304 Applied Methods and Management	3
EDU 311 Secondary Reading Techniques	2
EDU 315 Psychology and Education of the Exceptional Child	2
EDU 404 Seminar in Secondary Education & Human Relations	3
EDU 409 Secondary Student Teaching III	9
TOTAL	27

Recommended but not required additional courses:

ENG 365 Teaching Writing in the Middle & Secondary School	3
PHS 230 Physical Science for Elementary Teachers	3
EDU 330 Science Methods in Early Childhood and Elementary School	3
EDU 331 Instructional Media and Technology	2

The Professional Semester

Secondary Student Teaching III (EDU409) is to be taken during the senior year. Seminar in Secondary Education and Human Relations (EDU404) and Psychology and Education of the Exceptional Student (EDU315) are to be taken concurrently with Secondary Student Teaching III. This semester is designated as a professional education semester. A passing score on the Content Area Assessment is required before enrollment in EDU404 or EDU409.

Course work during the professional education semester is usually limited to EDU404, EDU315 and EDU409. Petition for any additional coursework must be submitted to the Coordinator of Clinical Experiences in the semester prior to Secondary Student Teaching III. If granted, approval will be endorsed by the cooperating teacher to whom the student is assigned.

Students enrolled in Secondary Student Teaching III will assume the daily teaching schedule of the cooperating teacher.

Minor in Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

EDUCATION COURSES

Waiving of any course prerequisites requires prior departmental authorization.

EDU 101 Speed Reading (2) F, Sp. Designed to improve the skills, speed, and comprehension of those individuals who feel a need for such improvement in school, professional, business, or recreational pursuits. Open to both regularly enrolled students and any interested individual.

EDU 140 Child Development (8) Sp. Help childcare providers enhance the quality of child care by becoming aware of developmentally appropriate practices for working with children. (Meets the seminar hours required for CDA credential. Will not meet requirement for elementary education major.)

EDU 202 Introduction to Education (3) F, Sp. Basic introduction to professional education; an on-campus exploratory course to aid participants in deciding whether or not to become teachers. The course also provides the basic information and attitude development necessary for successful teaching. To be taken concurrently with EDU203. Prerequisites: Both ENG104 and ENG108, or ENG112.

EDU 203 Participation in Teaching I (1) F, Sp. Laboratory course taken concurrently with EDU202. During this off-campus experience, the participant serves as a teacher assistant. This exploratory course provides concrete exposure to teaching, students, and the school. Graded pass/fail. To be taken concurrently with EDU202.

EDU 225 Educational Psychology (2) F, Sp. Principles of general psychology applied to the total educational process. Special emphasis is given to the principles of growth and development, learning theories, readiness and maturity, individual differences and emotional learning. Prerequisite: PSY101 and credit or concurrent enrollment in EDU203.

EDU 283 Introduction to Research Methods in Education (1-2) DD. Introduction to basic research in education. Individual and team projects involving methods for solving education-related research problems. Prerequisite: Consent of the department.

EDU 303 Experience in Teaching II (2) F, Sp. Continuation of the off-campus experiences in cooperating schools as teacher associates. To be taken concurrently with EDU304 (and EDU375 for elementary). Prerequisites: Admission to the Teacher Education Program, EDU203, EDU310, EDU320, EDU330, EDU340, EDU360, EDU351, and MAT352 OR admission to Secondary and K-12 Teacher Education Program and EDU203.

EDU 304 Applied Methods and Management (3) F, Sp. Psychological principles as applied to educational settings. To be taken concurrently with EDU303. Prerequisite: Declared Education major and EDU225.

EDU 308 Multicultural Education (2) F, Sp. Historical and contemporary analyses of educational policies that incorporate ethnic, religious, and linguistic minorities through selected presentations, text readings and field experiences. The teacher candidate will gain awareness of diversity and develop a theoretical understanding of diversity through investigations of diversity within the local community and the creation of an action plan to address diversity issues within his/her classroom. Prerequisite: EDU202.

EDU 310 Introduction to Reading (3) F, Sp. An introductory course to the philosophy and techniques associated with a holistic approach to the teaching of reading in the elementary school. Elementary Education majors must take this course concurrently with EDU320. Elementary education majors may not take the course until officially admitted to the Teacher Education Program.

EDU 311 Secondary Reading Techniques (2) F, Sp. Techniques of teaching reading comprehension strategies to middle and high school students. Prerequisites: Admission to the Education Department, and either both ENG104 and ENG108, or ENG112. Elementary teacher candidates must have completed EDU310 and EDU320.

EDU 312 Laboratory in Secondary Reading Techniques (1) F, Sp. Students will conduct pre and post diagnostic testing for reading abilities, analyze that data and identify and apply strategies for improving reading comprehension with an at-risk reading student. Students will tutor an at-risk reader two hours per week and create a course portfolio. To be taken concurrently with EDU311. Prerequisite: Admission to the Education Department.

EDU 315 Psychology and Education of the Exceptional Child (2) F, Sp. This course is a survey of issues related to the identification and teaching of exceptional students. All state and federally defined categories of disability will be addressed by definition, etiology, prevalence, school law, civil rights law and curriculum and teaching issues. Topics will include curriculum and instruction modifications and adaptations as well as behavior management and discipline. Prerequisites: EDU202 and EDU203; declared minors in Childhood Studies are exempt from EDU202 and EDU203 as prerequisites.

EDU 320 Language Arts Methods (2) F, Sp. A course designed to help elementary teachers view reading, writing, listening, and speaking from a holistic, integrated perspective. In addition, methods in teaching handwriting, grammar, spelling, and vocabulary will be covered. This course must be taken concurrently with EDU310. Elementary education majors may not take the course until officially admitted to the Teacher Education Program. Prerequisite: ENG108 or ENG112.

EDU 330 Science Methods in Early Childhood, Elementary, and Middle School (3) F, Sp. For teachers in early childhood, middle and elementary school to emphasize methodology, strategies, materials, curriculum development of elementary science, and scientific method through research projects. Prerequisite: PHS230. Elementary education majors may not take the course until officially admitted to the Teacher Education Program.

EDU 331 Instructional Media and Technology (2) F, Sp. Survey of appropriate pedagogical applications of computer technology to the K-12 classroom. Emphasis on the use of the internet in the classroom and the local development of electronic instructional materials. Basic word processing skills assumed. Two hours lecture, one hour lab. Prerequisite: Admission to the Education Department.

EDU 333 Science and Social Studies for Young Children (3) F, Sp. Instructional strategies for teaching science and social studies in birth through grade 3. Examination of the role of the educator in creating learning environments and providing developmentally appropriate curriculum. Prerequisites: EDU358.

EDU 340 Social Studies Methods for the Elementary and Middle School Teacher (3) F, Sp. General survey course of skills, concepts, methodologies, strategies, and curriculum development of elementary social studies and economics; includes inquiry learning, problem solving, current events, interpretation of pictures, charts, graphs, tables, maps, and time lines, and location and evaluation of information. Prerequisites: PSC101, GEO100 and either HIS140 or HIS150. Elementary education majors may not take the course until officially admitted to the Teacher Education Program.

EDU 342 Evaluation of Abilities and Achievement (2) F. Principles and techniques of administration, application, and interpretation of tests, test results, and data. Prerequisite: EDU315.

EDU 351 Mathematics Methods for Early Childhood and Elementary Educators (3) F, Sp. Mathematical methodologies, strategies, materials, and curriculum development in early childhood and elementary education. Prerequisite: A grade of C or better in MAT112 or MAT116, admission to the Education Department.

EDU 352 Introduction to Cross-Categorical Disabilities (3) F. This course will survey legislation and litigation that control the identification and delivery of services to mild/moderate cross categorical special education students and will include the referral process, the IEP, and placement decisions. Historical and current critical issues of the field will be discussed. Definitions, characteristics, eligibility criteria, theoretical approaches and etiology of students with learning disabilities, behavior disorders, mental retardation or physical and other health impairments will be studied. Prerequisite: Admission to the Education Department and EDU315.

EDU 357 Introduction to Early Childhood Special Education: Curriculum Development (3) F. This course is designed to introduce the student to special education in general and the unique field of early childhood special education. Students will become familiar with the major principles of the law related to special education services. Students will have the opportunity to design appropriate program and implementation plans for young children with special needs ages 0-5. The importance of parent and family partnerships based on the family systems model will be presented. Students will have the opportunity to observe early intervention programs and evaluate those settings relative to their knowledge of appropriate practice. The course will survey a range of disabilities affecting young children, including cognitive, behavioral, speech/language, sensory, orthopedic, and health impairments. Prerequisites: EDU315 and EDU358.

EDU 358 Introduction to Early Childhood Education (2) F, Sp. An overview of the field of early childhood education and an understanding of pupil characteristics, rationale for providing early enrichment experiences, issues, and the theory of curriculum development. Prerequisites: EDU202 and credit or concurrent enrollment in EDU225.

EDU 359 Infants and Toddlers (2) F. This course is designed to provide students with a background in the unique developmental needs of infants and toddlers. Students will become familiar with developmental needs and milestones of infants and toddlers and be able to relate that knowledge to planning appropriate environments and learning activities for infants and toddlers. Relevant brain research will provide insights into the importance of the early years. Communicating and teaming with families will be stressed, as well as the provision of services within relationships that are sensitive to cultural diversity. Prerequisite: EDU202 and EDU203.

EDU 360 Assessing and Individualizing Reading (3) F, Sp. Acquaints the classroom teacher with philosophy, theories, pertinent studies and findings, and test instruments aiding perception and analysis of performance levels and behaviors in learning to read; develops expertise in determining the strengths and weaknesses of each pupil and the causal relationship of the total reading performance pattern; develops observation and evaluation skills to study, develop, and utilize selected evaluation instruments for adapting class methods and materials to the needs of students. Includes an off-campus applied learning experience. Prerequisite: EDU310. Education majors may not take the course until officially admitted to teacher education.

EDU 370 Behavior Management (2) F. Designed to provide classroom management skills for teaching both large groups and small classes of exceptional students. The course will focus on theories of applied behavioral analysis and its application for effective teaching. Behavior modification, cognitive behavior management, self-management, and social skills training will be included. Prerequisites: PSY101 and EDU315.

EDU 374 Literacy Development in Early Childhood (3) F, Sp. Literacy development from birth through 3rd grade with an emphasis on appropriate instructional strategies for reading and writing development. Includes suitable children's literature for use in instruction and current assessment techniques used to measure young children's literacy development. Taken concurrently with EDU440 and 460. Prerequisites: EDU310, EDU358, EDU360.

EDU 375 Teaching Reading in the Elementary School (2) F, Sp. An application level course focused on investigating children's literacy development in the context of a balanced literacy program. Student will plan, teach, and evaluate a sequence of reading and language arts lessons, managing both small and large groups of children. To be taken concurrently with EDU303 and EDU304.

EDU 380 Reading Approaches/Phonics (1) DD. Teaching reading through the sound/symbol relationship. Prerequisite: EDU310 or EDU311.

EDU 381 Reading Approaches/Linguistic (1) DD. Teaching reading through word and sentence structure. Prerequisite: EDU310 or EDU311.

EDU 382 Reading Approaches/Enrichment (1) DD. Using literature, story telling, dramatics, and creative writing to enrich the reading experience. Prerequisite: EDU310 or EDU311.

EDU 383 Reading Approaches/Language Experience (1) DD. Teaching reading whereby the child creates or writes his/her own material. This method capitalizes on the relationship between reading and the other language developments of the child. Prerequisite: EDU310 or EDU311.

EDU 384 Reading Approaches/Individualized (1) DD. Teaching reading whereby the student is directed to select his or her own reading material. Prerequisite: EDU310 or EDU311.

EDU 385 Reading Approaches/Basal Reader (1) DD. Teaching reading through the use of a basal textbook. Prerequisite: EDU310 or EDU311.

EDU 386 Career Education and Transition in Special Education (2) F. Investigating the philosophy and methods for helping exceptional students make the transition from school to work and self-sufficiency. Prerequisite: EDU315.

EDU 403 Seminar in Elementary Education and Human Relations (3) F, Sp. Philosophical, ethical, and legal problems related to elementary education; explores instructional strategies, general methodology, evaluation procedures, and interpersonal relations applied to teaching. To be taken concurrently with EDU408.

EDU 404 Seminar in Secondary Education and Human Relations (3) F, Sp. Philosophical, ethical, and legal problems related to secondary education instructional strategies, including classroom and laboratory experiences; considers interpersonal relations as applied to teaching. To be taken concurrently with EDU409. Prerequisite: EDU303 and EDU304.

EDU 408 Elementary Student Teaching III (9) F, Sp. A semester of clinical experience in an off-campus situation under a certified cooperating teacher. To be taken concurrently with EDU403. Prerequisites: EDU203, EDU303, EDU304, and MAT353. Must have passed the appropriate Content Area Assessment in the area of certification.

EDU 409 Secondary Student Teaching III (9) F, Sp. Full-time, off-campus teaching experiences working with students in an area secondary school and a mentor teacher. To be taken concurrently with EDU404. Prerequisites: A minimum 3.0 GPA in major field, approval from the major department; EDU303, EDU304, and special methods course in the major. Must have passed the appropriate Content Area Assessment in the area of certification.

EDU 410 Student Teaching IV (6) Su. On-campus course designed for the experienced teacher. Activities will include micro-teaching and human relations training. Not open to baccalaureate degree candidates. Prerequisite: One full academic year of teaching experience plus a bachelor's degree.

EDU 411 Methods of Teaching the Student with Cross-Categorical Disabilities (3) Sp. This course is oriented toward the application of classroom practices, teaching strategies, affective interventions, and instructional modifications to be used with students who are cognitively deficient, learning disabled, behaviorally disordered, and physically or otherwise health impaired. To be taken concurrently with EDU425. Prerequisites: EDU303, EDU304, EDU315 and EDU352.

EDU 414 Language Development for Educators (3) F, Sp. This course provides an overview of language development from birth through high school. Topics covered include: theoretical approaches, developmental milestones, language analysis/assessment, multi-cultural perspectives, written language development, and speech and language issues faced by children with developmental delayed/exceptional needs. Students will become familiar with research-based instructional techniques/strategies in oral, written, and adaptive language. Prerequisite: EDU358 (Early Childhood majors only).

EDU 418 Early Childhood Assessment (3) Sp. An overview of the philosophy, issues, and assessment/evaluation instruments appropriate for use with children from birth – grade 3. Students will demonstrate principles and techniques of administration, application and interpretation of assessment instruments to individual children and groups of young children. Program evaluation tools will be discussed. Using data to guide curriculum decisions for both individuals and groups will be emphasized. A field-experience with infants/toddlers and/or pre-K/Kindergarten children is a part of this course. Prerequisites: EDU357 or EDU358.

EDU 420 Counseling Techniques/Parents (2) Sp. Designed to foster parent-teacher cooperation; includes communication and conflict resolution strategies applicable to educationally related situations (including IEP conferences and regular parent-teacher conferences) with exceptional students, families of exceptional students, and other professionals. Prerequisite: EDU315.

EDU 421 Family, Community, and Schools: Partnering for Young Children (3) F, Sp. This course is designed to identify and explore how early childhood educators can empower young children and their families by using resources that support the development of positive home, school, and community relationships. An emphasis will be placed on developing communication strategies that can be used with families from diverse backgrounds. Prerequisite: EDU358.

EDU 422 Issues and Trends in the Education of Young Children and the Management of Programs for Young Children (3) F, Sp. This course will allow the teacher candidate to develop the skill needed to effectively develop and manage programs for young children in the community or the school setting. Meeting federal, state, and local program guidelines will be a focus. Prerequisite: EDU358.

EDU 425 Experience in Teaching Cross-Categorical Students with Disabilities (6) Sp. Off-campus experience teaching students with learning disabilities in cooperating schools as a teacher associate. Prerequisites: Credit or concurrent enrollment in EDU411 or both EDU303 and EDU304.

EDU 440 Curriculum Methods and Materials in Early Childhood Education (3) Sp. Designed to acquaint the early childhood educator with techniques, methods, and materials for use with the young child. Prerequisites: EDU310, EDU315, EDU333, EDU358, EDU370, EDU414, EDU351, and PED392.

EDU 450 Independent Research/Project (1-6) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Declared Elementary Education major, a minimum of 3.0 GPA in major field, and departmental approval.

EDU 460 Experience in Early Childhood Education (2) F, Sp. This course provides the teacher candidate with a center-based or school-based experience working with infants/toddlers, pre-schoolers, and kindergartners. The student will complete a minimum of 60 contact hours. To be taken concurrently with EDU440. Prerequisite: EDU358, EDU360, EDU414, EDU351, and credit or concurrent enrollment in EDU375.

EDU 461 Experience in Early Childhood Special Education (6) F, Sp. Off-campus experiences in teaching the young handicapped infant, toddler, and preschool child in cooperating schools and/or private agencies. Prerequisite: EDU303, EDU304, EDU357, EDU375, and credit or concurrent enrollment EDU440.

EDU 462 Early Childhood Student Teaching III (12) F, Sp. A semester of clinical experience in an off-campus placement mentored by a certified cooperating teacher. To be taken concurrently with EDU422. Prerequisites: EDU460.

EDU 470 ESOL Practicum (3) F, Sp. ESOL Practicum focuses on peer observation/peer coaching in the context of the ESL classroom.

EDU 483 Practicum I in Reading: Diagnosis of Reading Difficulties (3) F, Sp. Clinical diagnosis in evaluation of reading and learning problems. One hour lecture, three hours lab. Course can only be taken on MWSU campus. Prerequisite: EDU310 and EDU360. Practicum arranged. Application must be submitted to the Director of Placement for approval.

EDU 484 Practicum II in Reading: Remediation of Reading Difficulties (3) F, Sp. Clinical treatment of identified reading and learning problems. One hour lecture, three hours lab. Course can only be taken on MWSU's campus. Prerequisite: Credit or concurrent enrollment EDU312 and EDU375. Practicum arranged. Application must be submitted to the Director of Placement for approval.

EDU 490 Applied Education Practices (1-9) DD. Workshops developed in selected areas in accordance with student interest.

ENGLISH AS A SECOND LANGUAGE

Waiving of any course prerequisites requires prior departmental authorization.

TSL 467 Second Language Acquisition (3) DD. This course includes a study of the theories of first and second language acquisition specifically as related to the teaching of English as a second language and foreign languages. Subtopics of this area of study include: bilingualism, styles, communicative styles, personality factors, socio-cultural differences among learners, learning theory, models of language acquisition, strategies used by adults and children in acquiring a second or third language and the application of these factors to the ESOL and foreign language learning situations. Prerequisite: ENG232.

TSL 468 Methods of Teaching Second Language Students (3) DD. This course provides an overview of the theoretical foundations and applications of language instruction approaches, methods, and techniques that are effective in the classroom. It will focus on interactive and communicative language teaching methods as well as specific strategies for integrated content area instruction for limited English proficient (LEP) students and English language learners (ELL) in mainstream classrooms.

TSL 469 Materials and Assessment for TESOL (3) DD. Advanced course in the analysis and preparation of materials for teaching ESOL and the basics of test development in ESOL.

Department of Engineering Technology

Dr. George Yang, *Chairperson*

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<http://www.missouriwestern.edu/EngTech/>

The Department of Engineering Technology offers four-year degree programs in Engineering Technology with majors in Construction, Electronics, Electronics and Computer, and Manufacturing Engineering Technology as well as its two options: Bio-Manufacturing and Design & Technical Graphics. In addition, the Department offers a two-year (AAS) degree in Manufacturing Engineering Technology. The Department works in collaboration with regional universities to provide engineering transfer programs, a one-year architecture transfer program and 3 dual degree programs in Engineering Technology and Engineering.

EXIT REQUIREMENTS FOR DEPARTMENT MAJORS

For all degree programs in the department of Engineering Technology, a grade of C or better in all discipline-specific majors courses, CET, ECT, EET, EGT, MET, will be required for graduation. All students, upon completion of their 2-year or 4-year degree programs, will be required to take the departmental exit examination.

ENGINEERING TECHNOLOGY

Engineering technology has been defined as that part of the technological field which requires the application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities; it lies in the occupational spectrum between the craftsman and the engineer at the end of the spectrum closest to the engineer.

Engineering technology is oriented less toward theory and more toward practical applications. The term "engineering technician" is applied to the graduates of associate degree programs. Graduates of baccalaureate programs are called "engineering technologists."

Construction Engineering Technology

This four-year degree program prepares individuals as entry-level field construction coordinators, estimators, job schedulers, and construction management trainees. It also prepares individuals for positions related to construction document control, purchasing, equipment superintendent (renting) and quality assurance/quality control. The B.S. degree program in Construction Engineering Technology is accredited by the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET) (see Appendix D for address).

Program Educational Objectives:

BS Construction Engineering Technology (BS CET)

The program educational objectives of BS CET graduates are:

- i. Possess the general knowledge of construction industry such as concepts, terminologies, basic and standard problem-solving techniques.
- ii. Demonstrate the ability to produce and utilize design, operation, and execution documents related to building and/or heavy construction industry.
- iii. Function effectively in a group environment in the workplace through demonstration of technical and communication skills.
- iv. Understand professional, ethical, and social responsibilities.

- v. Show respect for diversity and knowledge of contemporary professional, societal and global issues.
- vi. Demonstrate a commitment to quality, timeliness, and continuous improvement.
- vii. Continue professional development through life-long learning.

Electronics Engineering Technology

Career opportunities for B.S. degree graduates of Electronic Engineering Technology include entry-level positions with computer design/testing companies and electronics instrumentation companies, telephone companies, and other companies that use electronic equipment such as automated control (microprocessor/microcomputer) systems. Graduates of this program also qualify for jobs related to operation control, testing, trouble shooting, supervision and management, marketing, technical sales and field services including installation and commissioning of equipment in plant or on site. The B.S. degree program in Electronics Engineering Technology is accredited by the Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board for Engineering and Technology (ABET). See Appendix D for contact information.

Program Educational Objectives:

BS Electronics Engineering Technology (BS EET)

The program educational objectives for BS EET graduates are:

- i. Possess the general knowledge of electrical and electronics industry such as concepts, terminologies, basic and standard problem-solving techniques.
- ii. Demonstrate the ability to analyze, design, and implement electronic systems in one or more of the areas related to control systems, instrumentation systems, communications systems, computer systems, or power systems.
- iii. Function effectively in a group environment in the industrial workplace through demonstration of technical and communication skills.
- iv. Understand professional, ethical, and social responsibilities.
- v. Show respect for diversity and knowledge of contemporary professional, societal and global issues.
- vi. Demonstrate a commitment to quality, timeliness, and continuous improvement.
- vii. Continue professional development through life-long learning.

ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY

The B.S. degree in Electronics and Computer Engineering Technology focuses on studies which integrate computer software and computer hardware technology subject matter.

The B.S. in Electronics and Computer Engineering Technology degree will provide the student with an understanding of microcomputer hardware design, troubleshooting, upgrading, and maintenance as well as a moderate level of computer software programming experience. The student will also be trained in programmable logic controller functioning as well as utilization of hardware and software knowledge to enter into the field of human/machine interface work. The B.S. degree study program enables the student to obtain work in the programmable controls area of the industrial sector of the economy.

Program Educational Objectives:**BS Electronics and Computer Engineering Technology (BS ECET)**

The program educational objectives for BS ECET graduates are:

- i. Possess the general knowledge of electronics and computer industry such as concepts, terminologies, basic and standard problem-solving techniques.
- ii. Demonstrate the ability to analyze, program, and implement electronic systems in one or more of the areas related to control systems, communications systems, or computer systems.
- iii. Function effectively in a group environment in the industrial workplace through demonstration of technical and communication skills.
- iv. Understand professional, ethical, and social responsibilities.
- v. Show respect for diversity and knowledge of contemporary professional, societal and global issues.
- vi. Demonstrate a commitment to quality, timeliness, and continuous improvement.
- vii. Continue professional development through life-long learning.

MANUFACTURING ENGINEERING TECHNOLOGY

Manufacturing Engineering Technology is the profession in which an understanding and application of a broad range of technologies is necessary for production and control of manufacturing processes. Manufacturing includes methods of production of industrial commodities and consumer products. The manufacturing professional must be able to plan, design, and implement sequence of operations using current technologies to produce products at competitive prices. Career opportunities for two-year associate degree graduates of manufacturing engineering technology include entry-level positions with industries engaged in plant design, machine and tool design, robotics and industrial automation, and computer-integrated manufacturing. Four-year B.S. degree graduates qualify for jobs related to production, productivity improvement, and process design. They also qualify for supervisory and managerial positions in plant engineering.

The Bio-Manufacturing option in the B.S. MET program is created to meet the ever-growing demand of highly educated workforce by the bio-production and research companies in the animal health corridor. B.S. degree graduates in bio-manufacturing qualify for jobs related to bio-production, packaging, maintenance, design, and lab scale-up work.

The design & technical graphics option in the B.S. MET program focuses on the computer applications, especially computer aided drafting and design, in industries. It is created to meet the business and industrial trend of more and more computer applications in production.

Program Educational Objectives:**BS Manufacturing Engineering Technology (BS MET)**

The program educational objectives for BS MET graduates are:

- i. Possess the general knowledge of manufacturing industry such as concepts, terminologies, basic and standard problem-solving techniques.
- ii. Demonstrate the ability to analyze and implement production systems in a manufacturing setting.
- iii. Function effectively in a group environment in the industrial workplace through demonstration of technical and communication skills.
- iv. Understand professional, ethical, and social responsibilities.
- v. Show respect for diversity and knowledge of contemporary professional, societal and global issues.
- vi. Demonstrate a commitment to quality, timeliness, and continuous improvement.
- vii. Continue professional development through life-long learning.

**Program Educational Objectives:
Bio-Manufacturing Option in BS MET**

In addition to above objectives for BS MET program, the bio-manufacturing option should prepare students to:

- i. Possess basic knowledge in organic chemistry, cell biology and microbiology
- ii. Familiarize with GMP, as well as governmental regulations related with bio-production.

**Program Educational Objectives:
Design & Technical Graphics option in BS MET**

In addition to above objectives for BS MET program, the design & technical graphics option should prepare students to possess strong background knowledge and skills in computer aided drafting and design in industries.

**DUAL DEGREE PROGRAM IN
ENGINEERING TECHNOLOGY & ENGINEERING**

Missouri Western Engineering Technology majors have the opportunity to be admitted to a dual degree program between the Missouri Western State University (MWSU) Department of Engineering Technology and The University of Missouri-Kansas City School of Computing and Engineering. This program is designed for students interested in both a B.S. in Engineering Technology and a B.S. in Engineering (Civil Engineering, Electrical and Computer Engineering, or Mechanical Engineering). Students in the program complete the first three years of study in Engineering Technology at Missouri Western State University and two additional years at the University of Missouri-Kansas City in Engineering to earn two B.S. degrees in five years. To be eligible for the dual degree option, students must complete the designated course series outline in the articulation agreement and must maintain a cumulative GPA of 3.0 or above. For more information on this dual degree opportunity, please contact the dual degree liaison in the MWSU Department of Engineering Technology.

TRANSFER PROGRAMS**Engineering**

The engineering transfer program is closely coordinated with the University of Missouri-Columbia and Missouri University of Science and Technology.

The exact program followed will depend on the specialized area (civil, chemical, mechanical, electrical, etc.) and the engineering school to which the student plans to transfer. Also, many students are not prepared for calculus their first semester and special programs must be arranged. An advisor in the Department of Engineering Technology will set up a suitable program for each pre-engineering student.

Architecture

The architecture transfer program is closely coordinated with the College of Architecture and Design, Kansas State University, Manhattan, Kansas. An advisor in the Department of Engineering Technology will set up a suitable program for each pre-architecture student.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

Specific requirements are as follows for the Bachelor of Science degree with the major listed.

Construction Engineering Technology

Major Requirements

			<i>Credits</i>
CET	105	Methods & Materials of Construction	3
CET	254	Construction Methods & Equipment	4
CET	256	Bituminous, Concrete & Soils	3
CET	260	Mechanics of Materials	4
CET	270	Electrical Installations	3
CET	308	Structural Analysis	3
CET	315	Mechanical Systems	3
CET	358	Structural Steel & Wood Design	3
CET	360	Construction Management	3
CET	408	Design of Concrete and Masonry Structures	3
CET	454	Construction Estimating	4
CET	458	Soil Mechanics & Foundations	3
CET	480	Construction Planning & Scheduling	3
CHE	101	Introductory Chemistry	4
EGT	202	Surveying I	3
EGT	205	Computer-Aided Drafting I	3
EGT	260	Statics	3
EGT	350	Technical Report Writing	3
EGT	356	Fluids & Hydraulics	3
EGT	370	Financial Aspects of Engineering Projects	2
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MAT	147	Applied Calculus	5
PHY	110	College Physics I	4
TOTAL			<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 77

Electronics Engineering Technology

Major Requirements

			<i>Credits</i>
CHE	101	Introductory Chemistry	4
CSC	184	Computing Concepts I	3
EET	100	Electrical Circuits I	3
EET	200	Electrical Circuits II	4
EET	202	Digital Logic	4
EET	206	Introduction to Microcomputers	4
EET	212	Introduction to Semiconductor Devices	4
EET	312	Electronic Amplifiers and Integrated Circuit	4
EET	342	Analog Communications Systems	4
EET	372	Programmable Logic Controllers	4
EET	402	Microcomputer Systems	4
EET	422	Electrical Power Technology	3
EET	452	Automation & Process Control Technology	4
EET	482	Integrated System Project	3
EGT	102	Programming for Engineering Technology	3
EGT	103	Electronics Engineering Technology Fundamentals	1
EGT	205	Computer-Aided Drafting I	3
EGT	350	Technical Report Writing	3
EGT	490	Engineering Technology Internship	1
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MAT	147	Applied Calculus	5
PHY	110	College Physics I	4
PHY	111	College Physics II	4
TOTAL			<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 81

Electronics and Computer Engineering Technology**Major Requirements**

		<i>Credits</i>	
CHE	101	Introductory Chemistry	4
CSC	184	Computing Concepts I	3
CSC	254	Computing Concepts II	3
CSC	285	Data Structures	3
CSC	384	Microcomputer Assembly Language	3
EET	100	Electrical Circuits I	3
EET	200	Electrical Circuits II	4
EET	202	Digital Logic	4
EET	206	Introduction to Microcomputers	4
EET	212	Introduction to Semiconductor Devices	4
EET	312	Electronic Amplifiers and Integrated Circuit	4
EET	372	Programmable Logic Controllers	4
EET	390	Technological Projects	3
EET	402	Microcomputer Systems	4
EET	422	Electrical Power Technology	3
EET	452	Automation & Process Control Technology	4
EGT	102	Programming for Engineering Technology	3
EGT	205	Computer-Aided Drafting I	3
EGT	350	Technical Report Writing	3
EGT	370	Financial Aspects of Engineering Projects	2
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MAT	147	Applied Calculus	5
PHY	110	College Physics I	4
TOTAL		82	

Not open for dual-majoring with Electronics Engineering Technology.

Manufacturing Engineering Technology**Major Requirements**

		<i>Credits</i>	
CHE	101	Introductory Chemistry	4
EGT	205	Computer-Aided Drafting I	3
EGT	215	Computer-Aided Drafting II	3
EGT	220	Engineering Materials	3
EGT	260	Statics	3
EGT	325	Machine Parts and Mechanical Design	3
EGT	350	Technical Report Writing	3
EGT	356	Fluids & Hydraulics	3
EGT	370	Financial Aspects of Engineering Projects	2
EGT	490	Engineering Technology Internship	1
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MAT	147	Applied Calculus	5
MET	100	Electrical Circuits for Manufacturing	3
MET	101	Electronic Instrumentation for Manufacturing	3
MET	111	Manufacturing Processes	2
MET	112	Manufacturing Methods	3
MET	221	Introduction to Automated Manufacturing	2
MET	222	CNC Machining Processes	2
MET	260	Mechanics of Materials	4
MET	315	Mechanical Systems	3
MET	322	Electric Circuits II	4
MET	372	Programmable Logic Controllers	4
MET	422	Electrical Power Technology	3
MET	452	Automation and Process Control Technology	4
PHY	110	College Physics I	4
TOTAL		79	

Manufacturing Engineering Technology

Bio-Manufacturing Option Major Requirements

			<i>Credits</i>
BIO	106	Principles of Cell Biology	4
BIO	205	Genetics	4
BIO	390	Microbiology	4
CHE	111	General Chemistry I	5
CHE	120	General Chemistry II	5
CHE	310	Organic Chemistry I	3
CHE	311	Organic Chemistry Laboratory I	2
EGT	205	Computer-Aided Drafting I	3
EGT	220	Engineering Materials	3
EGT	325	Machine Parts and Mechanical Design	3
EGT	340	Thermodynamics	3
EGT	356	Fluids & Hydraulics	3
EGT	490	Engineering Technology Internship	4
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MET	100	Electrical Circuits for Manufacturing	3
MET	101	Electronic Instrumentation for Manufacturing	3
MET	111	Manufacturing Processes	2
MET	112	Manufacturing Methods	3
MET	221	Introduction to Automated Manufacturing	2
MET	315	Mechanical Systems	3
MET	322	Electrical Circuits II	4
MET	372	Programmable Logic Controllers	4
MET	452	Automation and Process Control Technology	4
PHY	110	College Physics I	4
TOTAL			<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 83

Manufacturing Engineering Technology

Design & Technical Graphics Option Major Requirements

			<i>Credits</i>
ART	100	Introduction to Art	3
ART	110	Beginning Drawing I	3
ART	120	Two-Dimensional Design	3
CET	270	Electrical Installations	3
CET	308	Structural Analysis	3
CET	358	Structural Steel & Wood Design	3
EGT	102	Programming for Engineering Technology	3
EGT	202	Surveying I	3
EGT	205	Computer-Aided Drafting I	3
EGT	215	Computer-Aided Drafting II	3
EGT	220	Engineering Materials	3
EGT	260	Statics	3
EGT	325	Machine Parts and Mechanical Design	3
EGT	345	3-D Modeling and Design Processes	3
EGT	350	Technical Report Writing	3
EGT	356	Fluids & Hydraulics	3
EGT	370	Financial Aspects of Engineering Projects	2
EGT	490	Engineering Technology Internship	4
MAT	116	College Algebra	3
MAT	119	Trigonometry	2
MAT	147	Applied Calculus	5
MET	111	Manufacturing Processes	2
MET	260	Mechanics of Materials	4
MET	315	Mechanical Systems	3
PHY	110	College Physics I	4
TOTAL			<hr style="width: 100%; border: 0; border-top: 1px solid black; margin-bottom: 5px;"/> 77

ASSOCIATE OF APPLIED SCIENCE**DEGREE REQUIREMENTS**

Specific requirements are as follows for the Associate of Applied Science degree with the major listed.

Manufacturing Engineering Technology**Degree Requirements**

		<i>Credits</i>
CHE	101 Introductory Chemistry	4
EGT	205 Computer-Aided Drafting I	3
EGT	215 Computer-Aided Drafting II	3
EGT	220 Engineering Materials	3
EGT	260 Statics	3
EGT	325 Machine Parts & Mechanical Design	3
MAT	116 College Algebra	3
MAT	119 Trigonometry	2
MET	100 Electrical Circuits for Manufacturing	3
MET	101 Electronic Instrumentation for Manufacturing	3
MET	111 Manufacturing Processes	2
MET	112 Manufacturing Methods	3
MET	221 Introduction to Automated Manufacturing	2
MET	222 CNC Machining Processes	2
MET	260 Mechanics of Materials	4
MET	315 Mechanical Systems	3
PHY	107 Introduction to Physics	OR
PHY	110 College Physics I	4
TOTAL		50

MINORS**Construction Management**

By completing a 25-hour course sequence in construction, the students in the Department of Business can obtain a Construction Management minor. Any student who is interested in this minor is advised to contact the Chairperson of the Department of Engineering Technology.

Requirements for the Minor

		<i>Credits</i>
EGT	205 Computer-Aided Drafting I	3
CET	105 Construction Materials	3
CET	254 Construction Methods & Equipment	4
CET	256 Bituminous, Concrete & Soils	3
CET	360 Construction Management	3
CET	454 Construction Estimating	4
CET	480 Construction Planning & Scheduling	3
EGT	490 Engineering Technology Internship	2
TOTAL		25

Computer Technology

By completing a 22-hour course sequence in computer technology related courses, the students with a major in Computer Science or Computer Information Systems in the Department of Computer Science, Mathematics, & Physics can obtain a Computer Technology minor. Any student who is interested in this minor is advised to contact the Chairperson of the Department of Engineering Technology.

Requirements for the Minor			Credits
EGT	103	Electronics Engineering Technology Fundamentals	1
EGT	205	Computer-Aided Drafting I	3
EET	100	Electrical Circuits I	3
EET	202	Digital Logic	4
EET	206	Introduction to Microcomputers	4
EET	212	Introduction to Semiconductor Devices	4
EET	402	Microcomputer Systems	4
TOTAL			23

Manufacturing Technology

MWSU students not majoring in the field of manufacturing engineering technology may receive a minor in manufacturing technology. Manufacturing is the foundation of our economy. A minor in manufacturing technology could be especially helpful for placement of students majoring in business, economics, computer science, physics, chemistry, art, and biology.

Requirements for the Minor			Credits
Select 18 credits from the following:			
EGT	205	Computer-Aided Drafting I	3
EGT	215	Computer-Aided Drafting II	3
EGT	220	Engineering Materials	3
EGT	325	Machine Parts and Mechanical Design	3
MET	100	Electrical Circuits for Manufacturing	3
MET	101	Electrical Instrumentation for Manufacturing	3
MET	111	Manufacturing Processes	2
MET	112	Manufacturing Methods	3
MET	221	Introduction to Automated Manufacturing	2
MET	222	CNC Machining Processes	2

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

ENGINEERING TECHNOLOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

EGT 102 Programming for Engineering Technology (3) F, Sp. Fundamental concepts about computers and approaches to computer programming including top-down design, selection control structures (if else, switch statements), repetition control structures (while, for, and do while loops), simple data types, arrays, strings, etc. Study of a selected computer programming language.

EGT 103 Electronics Engineering Technology Fundamentals (1) F, Sp. Introduction to electronics engineering technology concepts, OSHA safety, ethics, and career potentials. Study of teamwork, diversity and globalization, quality, timeliness, continuous improvement and lifelong learning.

EGT 105 Introduction to Architecture (3) F, Sp. This course introduces to the student an understanding and appreciation of architecture and human built environment through a broad examination of cultural and aesthetic paradigms. The student will be informed of the historic legacy and value of architecture; how it impacts society today and daily lives. Three hours lecture.

EGT 202 Surveying I (3) F. Introduction to the basic principles of plane surveying with applications to engineering and construction problems; uses laboratory periods for in-the-field applications of introductory surveying techniques. Relevant computer software will be used. Two hours lecture, three hours lab. Prerequisites: Credit or concurrent enrollment in both MAT116 and MAT119.

EGT 205 Computer-Aided Drafting I (3) F, Sp. Techniques in drafting with computer applications. Students will use a CAD software to produce mechanical, electrical and/or architectural drawings and will explore other software with their applications. The emphasis is on orthographic projections, sections, auxiliary views, dimensioning, component libraries and the applications of drafting using descriptive geometry. Two hours lecture, three hours lab.

EGT 215 Computer-Aided Drafting II (3) F, Sp. Advanced techniques in drafting with computer applications. Students expand their drafting skills by creating computer generated multi-detailed drawings using 3-D techniques. Architectural, structural, mechanical, and/or electrical applications will be discussed with emphasis in detailing, tolerances, and symbol libraries. Importing/exporting of files, customizing the CAD software, and productivity techniques will be used. Principles of drawing for residential structures using various construction materials and methods will be included. Two hours lecture, three hours lab. Prerequisite: EGT205.

EGT 220 Engineering Materials (3) F. An introduction to the relationship between structure, processing and properties of materials; including atomic structure, strain hardening and annealing, solidification, ferrous and non-ferrous alloys, ceramic materials, polymers, composite materials, behavior of materials, and protection against deterioration of materials.

EGT 225 Computer-Aided Manufacturing (3) Sp. Application of computer assistance in manufacturing process; machine process control, inventory and material handling, robotics and automated assembly, product design and part grouping in relation to total manufacturing operation. Prerequisite: EGT215.

EGT 260 Statics (3) F. Fundamentals of statics; static equilibrium; topics of study include elements of statics in two and three dimensions; laws of equilibrium applied to structures and machines. Prerequisite: MAT119.

EGT 265 Engineering Statics (3) F. Composition and resolution of forces; equilibrium of force systems; application of the principles of statics to problems, including force analyses of simple structures. Centroids; moments of inertia. Prerequisites: MAT167 and PHY210.

EGT 283 Introduction to Research Methods in Engineering Technology (1-2) DD. Introduction to basic research in engineering technology. Individual and team projects involving methods for solving engineering technology-related research problems. Prerequisite: Department chairperson's approval.

EGT 302 Electronic Surveying (4) Sp. Land surveying work utilizing electronic surveying equipment including but not limited to: total station with data collector, topographic surveying utilizing data collection down-loaded into software program utilizing AutoCAD for topographic contouring, utilization of collected data for microstation mapping, utilization of GPS equipment for traversing and also techniques of GIS mapping. Prerequisites: EGT202 and credit or concurrent enrollment in EGT205.

EGT 310 Environmental Regulations and Pollution Abatement Technology (3) F. Studies existing and upcoming environmental regulations and pollution abatement technology as it pertains to soil, solid waste, air, and water. Laboratory exercises include case studies at pollution abatement facilities and the degree of efficiency and effectiveness of these systems. Two hours lecture, three hours lab. Prerequisites: EGT102, CET105, and CHE104.

EGT 325 Machine Parts and Mechanical Design (3) Sp. Introduction to the design and analysis of machine elements, such as shafting, springs, screws, belts, brakes, clutches, gears, and bearings. Emphasis on materials, loads, stress, strain, deflection, and quality. Prerequisite: EGT260.

EGT 345 3-D Modeling and Design Processes (3) Sp. This course will investigate the creation and manipulation of three-dimensional forms and environments using experimental methods – primarily digitally based methods coupled with new forms of output such as 3D printing. Two hours lecture, three hours lab. Prerequisite: EGT215.

EGT 350 Technical Report Writing (3) Sp. Studies various forms of reports; includes practical projects in preparing reports of various lengths and degrees of complexity and oral presentation of report material; emphasizes clear communication of technical ideas. Prerequisite: ENG104.

EGT 356 Fluids and Hydraulics (3) Sp. Introduction to fluid mechanics including fluid statics and elementary fluid dynamics; includes energy equations of steady flow, steady flow of incompressible fluids in pipes, and open channel flow. Three hours lecture. Prerequisites: PHY110 and credit or concurrent enrollment in MAT147.

EGT 370 Financial Aspects of Engineering Projects (2) Sp. Principles of engineering decision making process, including simple and compound interest calculations, equivalence, present worth, uniform annual cost, rate of return, depreciation, equipment replacement, and competing projects. Prerequisite: MAT116.

EGT 400 Dynamics (3) DD. Motion of a particle; kinetics of rigid bodies; work and energy; impulse and momentum; impact. Prerequisite: EGT265.

EGT 440 Thermodynamics (3) DD. Fluid properties, work and heat, first law, second law, entropy, applications to vapor, and ideal gas processes. Prerequisite: EGT260 or PHY210.

EGT 450 Independent Research/Project (3-4) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Declared engineering technology major, a minimum of 2.5 GPA in major field, and department chairperson's approval.

EGT 490 Engineering Technology Internship (1-4) F, Sp, Su. Intended for advanced students working full-time or part-time for a company in a job related to their major, which reinforces and extends knowledge and skills. Requires periodic progress reports, supervisor evaluation and a formal final report addressing the experience and the educational benefits derived. May be repeated for a maximum of 4 credit hours. Prerequisite: Junior or Senior standing, declared engineering technology major, a minimum of 2.5 GPA in major field, and department chairperson's approval.

CONSTRUCTION ENGINEERING TECHNOLOGY COURSES

Waiving of any course prerequisite requires departmental authorization.

CET 105 Construction Materials (3) F. Introductory study of materials used in the construction industry. Materials are studied with regard to properties of their substances and utilization in construction.

CET 250 Introduction to Statics, Strength of Materials and Structures (4) Sp. Studies fundamentals of statics and mechanics of materials as they apply to construction processes such as statics equilibrium, axial, torsional, bending, and stress and strain analysis. Introduction to various methods used in analysis of structures such as beams, trusses and frames will be included. Three hours lecture, three hours lab. Prerequisites: MAT116 and MAT119.

CET 252 Advanced Surveying (3) Sp. Intermediate and advanced surveying techniques and procedures with applications to engineering and construction problems; includes mapping, hydrography, and photogrammetry; promotes in-the-field application of techniques. Prerequisites: EGT202, and credit or concurrent enrollment in both EGT205 and MAT127.

CET 254 Construction Methods and Equipment (4) Sp. Introduction to the basic knowledge and skills of methods of building construction including foundation, structural framing, floor, roof, and wall systems; to the acquisition, selection, and use of construction equipment; and to the reading of construction blueprint drawings and specifications. Three hours lecture, three hours lab. Prerequisite: CET105.

CET 255 Legal Aspects of Boundary Survey (3) F. Includes preparation of plats and writing of property descriptions referenced to Public Land Surveys of Subdivision of Townships and Sections. Discusses surveying and land right terminology as well as resurveying, retracing, restoration, monumentation and dedication. Also studies selected case law. Computer programs and field trips will be utilized. Prerequisite: Credit or concurrent enrollment in EGT202.

CET 256 Bituminous, Concrete, and Soils (3) Sp. Studies the properties and engineering applications of prime materials used in structural and roadway construction, including classification, basic quality control, and construction practices used with respect to asphalt, concrete, and soils. Two hours lecture, three hours lab. Prerequisites: CET105.

CET 260 Mechanics of Materials (4) Sp. Axial, torsional, bending, and combined stress and strain analysis; mechanical properties and applications for static, fatigue, creep, and impact conditions; emphasizes beam stresses and deflections, columns, and riveted and welded connections. Three hours lecture, three hours lab. Prerequisite: EGT260.

CET 265 Subdivision Planning and Layout (3) Sp. Platting of boundaries, topographic layout, planning and layout for streets, sewers and water lines. Building site surveys. Prerequisite: EGT202.

CET 270 Electrical Installations (3) Sp. Studies of DC circuits and electrical components, including conductors, insulators, resistors, inductors, capacitors, switches, voltage and current sources. Fundamentals of AC circuits, motors and generators, three-phase industrial power, power generation, distribution, transmission, and transformers. Includes laboratory sessions to demonstrate and reinforce understanding of these topics. Two hours lecture, three hours lab. Prerequisites: CET105 or EGT220.

CET 290 Engineering Technology Internship (1-3) F, Sp, Su. Intended for students working full-time or part-time for a company in a job related to their major, which reinforces and extends knowledge and skills. Requires periodic progress reports, supervisor evaluation and a formal final report addressing the experience and the educational benefits derived. Prerequisite: Department chairperson's approval.

CET 308 Analysis of Structures (3) F. Introduction to various methods used in the analysis of statically determinate and indeterminate structures. Load path, load tracing, and code provisions are discussed. Three hours lecture. Prerequisite: CET260 and MAT147.

CET 315 Mechanical Systems (3) F. Principles of water supply and treatment, plumbing, sanitation systems, heating, ventilation and air conditioning. Two hours lecture, three hours lab. Prerequisite: CET105.

CET 358 Structural Steel and Wood Design (3) F. Introduction to elementary structural steel and wood design; design of individual members and their connections as dictated by various specifications (AISC, AITC, AASHTO, etc.). Includes computer techniques in the areas of structural analysis/design. Prerequisite: Credit or concurrent enrollment in CET308.

CET 360 Construction Management (3) F. Introduction to the construction manager concept. Roles of the contractor, superintendent, designer, owner and inspector. Project administration, project financing, costs and accounting, labor relations, bonding and insurance, OSHA safety, and professional ethics. Prerequisite: EGT220 or CET254.

CET 362 Construction Safety (3) F. Review of existing safety requirements pertaining to Construction and Industrial Works, and discusses practices utilized to comply with these regulations. All OSHA regulations pertaining to construction as well as CFR documents are discussed. Prerequisites: CET105 and ENG104.

CET 390 Technological Projects (1-3) F, Sp, Su. Intended for the advanced student whose project would enrich the educational experience. Approval by the department chairperson is required at least two weeks before the end of the previous term.

CET 408 Design of Concrete and Masonry Structures (3) Sp. Introduction to the design of reinforced concrete and masonry structures. Designs are based on the current ACI codes. Class assignments or projects will require integration, knowledge from preceding courses and application of problem-solving skills acquired throughout the entire curriculum. Prerequisite: Credit or concurrent enrollment in CET308.

CET 454 Construction Estimating (4) F. Introduction to conceptual estimating and detailed estimating in construction projects. Quantity take-off, cost estimating of material, labor, equipment, overhead, and profit. Bidding practices are also discussed. Traditional and computerized estimating techniques. Class assignments or projects will require integration, knowledge from preceding courses and application of problem-solving skills acquired throughout the entire curriculum. Three hours lecture, three hours lab. Prerequisite: CET254.

CET 456 Construction Contracts Administration (3) DD. Emphasis is given to the interpretation and preparation of construction project documents. Subjects such as contract agreement, breach of contract, termination of agreements, materials specifications, workmanship specifications, general conditions, insurance, bonds, arbitration, and cases related to finance are discussed. Prerequisite: CET354.

CET 458 Soil Mechanics and Foundations (3) F. Studies advanced topics in the properties of soils with applications in civil engineering design and construction. Class assignments or projects will require integration, knowledge from preceding courses and application of problem-solving skills acquired throughout the entire curriculum. Two hours lecture, three hours lab. Prerequisites: CET256 and CET260.

CET 480 Construction Planning and Scheduling (3) Sp. Principles and techniques used to plan construction and schedule project activities. Networks, bar charts, computer techniques, productivity, construction time and cost parameters. Cash flow analysis, resource planning and control, and preparation of cost-to-complete reports will be discussed. Class assignments or projects will require integration, knowledge from preceding courses and application of problem-solving skills acquired throughout the entire curriculum. Prerequisite: CET360 and credit or concurrent enrollment in EGT370.

CET 485 Selected Topics in Construction (3) Sp. Study of selected topics, such as underground construction, underpinning, formwork and other project support requirements; evaluation and review of current practices in heavy construction. The course includes study and research in a specific area that combines major elements from previous construction engineering technology courses culminating in an integrating experience through individual and/or group projects, technical reports and presentations. Prerequisite: CET254.

CET 490 Building Codes, Standards, and Practices (3) DD. Emphasis on content of the four main U.S. Building Codes and the interpretation of these codes from the contractor's perspective. Also covers code enforcement procedures used by administration offices of municipal governments. Class exercises involve the review of plans and specifications to determine code compliance. Prerequisites: CET354 and CET480.

ELECTRONICS ENGINEERING TECHNOLOGY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

EET 100 Electrical Circuits I (3) F, Sp. Studies of DC circuits and electrical components, including conductors, insulators, resistors, inductors, capacitors, switches, voltage and current sources. Fundamentals of AC circuits, motors and generators, three-phase industrial power, power generation, distribution, transmission, and transformers. Includes laboratory sessions to demonstrate and reinforce understanding of these topics. Two hours lecture, three hours lab.

EET 200 Electrical Circuits II (4) Sp. Analysis of series and parallel DC networks by various methods including mesh and nodal analyses, network theorems; Thevenin's, Norton's and Superposition. Analyses of AC series and parallel networks (RL, RC & RLC circuits), j operators, phasors, reactances, phase relationships, power, network theorems, sinusoidal AC voltages, currents, impedances and admittances (RL, RC & RLC), resonance, frequency response, polyphase systems, transformers and circuit analysis applications using PSpice computer simulation program. Laboratory exercises using AC sources, dual-trace oscilloscope, frequency generator, spectrum analyzer and circuit prototyping reinforce the lecture concepts. Three hours lecture, three hours lab. Prerequisites: EET100 and credit or concurrent enrollment in MAT119.

EET 202 Digital Logic (4) Sp. Studies of number systems, logic gates, combinational logic using Small scale (SSI) and Medium scale (MSI) integrated circuits such as TTL, CMOS and ECL, Boolean algebra, mapping, flip-flops, counters, timers, adders, comparators, decoders, encoders, multiplexers, demultiplexers, arithmetic logic units (ALU's), programmable logic devices (PLD's) and input-output devices. Three hours lecture, three hours lab. Prerequisite: EET100.

EET 206 Introduction to Microcomputers (4) F. A study of microcomputer and microprocessor architectures, ALU's, memory devices, interfacing, communications, and software programming applications using assembly language and high-level programming language such as C/C++. Three hours lecture, three hours lab. Prerequisites: EGT 102 or CSC184, and EET202.

EET 212 Introduction to Semiconductor Devices (4) F. Studies of basic semiconductor theory, principles, characteristic curves and applications of semiconductor devices such as various types of diodes, BJT, FET transistors and biasing, and thyristors. Circuit applications including power supply rectification and filtering, voltage regulation, clippers, clampers and amplifiers, circuit modeling and analysis using electronic circuit design and analysis software such as Electronics Work Bench and PSpice. Three hours lecture, three hours lab. Prerequisites: Credit or concurrent enrollment in both EET200 and CHE101.

EET 290 Engineering Technology Internship (1-3) F, Sp, Su. Intended for students working full-time or part-time for a company in a job related to their major, which reinforces and extends knowledge and skills. Requires periodic progress reports, supervisor evaluation and a formal final report addressing the experience and the educational benefits derived. Prerequisite: Department chairperson's approval.

EET 312 Electronic Amplifiers and Integrated Circuit (4) Sp. A study of principles and analysis of small and large signal amplifiers circuits of classes -A, -B, and -C using BJT, FET and MOSFET transistors; amplifier coupling methods, frequency response and Bode plots; introduction to active filters and operational amplifiers with applications as signal amplifiers, comparators, summers, voltage regulators, integrators and differentiators; thyristor principles, operational amplifiers, multistage amplifiers, integrated differential and operational amplifier circuits, Op-Amp theory and applications such as comparators, instrumentation amplifiers, signal generators, power amplifiers and active filters, D/A and A/D converters and applications. Circuit modeling programs, such as Electronics Work Bench, are used throughout the course. Three hours lecture, three hour lab. Prerequisite: EET206 and EET212.

EET 342 Analog Communications Systems (4) F. A study of information theory, bandwidth, and noise; spectral analysis, principles and analysis of AM, FM modulation, detection, receivers, transmitters, networks, filters, antennas; principles and circuits of single-sideband communications; electromagnetic wave propagation; analog telephone systems; broadcast TV systems and transmission lines through VHF frequency. Laboratory experiences include exercises in basic analog communication circuits, and transmission and reception experiments. Three hours lecture, three hours lab. Prerequisite: EET312.

EET 372 Programmable Logic Controllers (4) Sp. Studies programmable logic controllers (PLC's); hardware components, memory structure, I/O modules, PLC ladder logic diagrams and basic programming functions, sequencing, contact and coil programming, fail-safe circuits and applications. Laboratory experiments feature hardware/software applications using industrial-grade PLC's of the major manufacturers interfaced with I/O devices for data acquisition and control experiments. Three hours lecture, three hours lab. Prerequisites: EET206 and EET212.

EET 374 Robotics Controls (4) Sp. Introduction to various types of robot anatomy and drive systems, robotics control systems and components, motion analysis, types of end-effectors, robotics sensors and machine vision. Robot classifications, geometry and path control techniques, end-of-arm tooling, gripper selection system intelligence and compliance, robot programming, safety and safeguarding considerations and operator training, acceptance and problems. Laboratory experiments focus on interfacing lab robots to I/O devices using industrial grade PLC's of the major manufacturers and programming the lab robots to perform basic tasks. Three hours lecture, three hours lab. Prerequisite: EET372.

EET 382 Electronics Fabrication (2) Sp. Students are required to construct an electronic project approved by the instructor; this includes selection of a suitable project, its design and construction, and testing of the completed project. Lab may also require construction of small projects. 5 hours lab, including discussion periods. Prerequisites: EET206 and EET312.

EET 390 Technological Projects (1-3) F, Sp, Su. Intended for the advanced student whose project would enrich the educational experience. Approval by the department chairperson is required at least two weeks before the end of the previous term.

EET 402 Microcomputer Systems (4) F. Advanced study in the architecture and design of modern digital computers based on the Intel 80X86 family of microprocessors; design of microprocessor-based systems, microprocessor hardware selection, memory devices, I/O interfacing, interrupts, DMA, bus systems, bus interfacing, hardware assembly and troubleshooting, including motherboard, embedded systems, power, monitor, analyzing and repairing, hardware installation and configuration, software development, high-level programming languages and operating systems. Three hours lecture, three hours lab. Prerequisites: EET206 and EET212.

EET 412 Operational Amplifiers and Linear Integrated Circuits (3) F. Advanced study of operational amplifiers, multistage amplifiers, integrated differential and operational amplifier circuits, Op-Amp theory and applications such as comparators, instrumentation amplifiers, signal generators, power amplifiers and active filters, D/A and A/D converters, and PSpice modeling program applied for circuit analysis examples. Two hours lecture, three hours lab. Prerequisites: EET312, EET372, and MAT147.

EET 422 Electrical Power Technology (3) Sp. Studies the principles and applications of various types of DC and AC generators and motors, methods of power control, using thyristor devices, solid-state AC and DC motor drives and servo mechanisms, microcontrollers control applications for motor drives, interface to programmable logic control systems, inverters, and converters; principles of three-phase power systems; transformers; generation, transmission, motors/generators, and three-phase power relationships. Three hours lecture, three hours lab. Prerequisites: EET212 and MAT147.

EET 442 Digital Communications Systems (3) Sp. Principles and methods of digital modulation including A/D and D/A converters, frequency-shift keying, frequency-division multiplexing, delta and pulse-code modulation; error detection and correction techniques; UART's and modems; integrated services digital network (ISDN); networking architecture and protocols; fiber optics and satellite communications; and microwaves. Prerequisites: EET206 and EET342.

EET 452 Automation and Process Control Technology (4) F. Studies principles of feedback control systems, compensation techniques, major types of sensors, electromechanical components and the interface between mechanics and electronics. Three hours lecture, three hours lab. Prerequisites: EET202 and EET212.

EET 472 Automatic Control Systems (4) Sp. Study of the transfer function approach and Laplace transforms to the analysis of feedback control systems in the time and frequency domains, and associated compensation techniques; concepts of block diagrams, and open- and closed-loop control systems. Laboratory exercises include PLC's and MATLAB software and associated Toolboxes. Three hours lecture, three hours lab. Prerequisites: EET372, EET452, and MAT147.

EET 482 Integrated System Project (3) F, Sp. Electronic design project constructed in the laboratory and/or research project on selected electronics topics or problems. Requires a written notebook, periodic progress reports and a project final report. Class assignments or projects will require integration, knowledge from preceding courses and application of problem-solving skills acquired throughout the entire curriculum. Prerequisites: EET342 and EET452.

EET 485 Senior Seminar (2) Sp (odd-numbered years). Designed for seniors majoring in electronics engineering technology; emphasizes the development of research in the field of electronics engineering technology, selected topics for group discussion of current areas of interest, guest speakers, and the exploration of career options. Prerequisite: Senior standing and declared engineering technology major.

EET 490 Advanced Topics in Electronics Engineering Technology (3) DD. Selected new/emerging topics in the field of Electronics Engineering Technology. Prerequisite: Junior or Senior standing, declared electronics engineering major, a minimum of 2.5 GPA, and department chairperson's approval.

ELECTRONICS AND COMPUTER ENGINEERING TECHNOLOGY COURSES

Waiving of any course prerequisite requires departmental authorization.

ECT 362 Computer Hardware Repair (3) Sp. Study of computer hardware assembly, and the techniques utilized for troubleshooting and repair. Two hours lecture, three hours lab. Prerequisites: EET206 and EET212.

ECT 432 Computer Hardware Troubleshooting (3) (Sp). Study of computer hardware assembly and troubleshooting, including computer hardware, motherboard, embedded systems, power, monitor, analyzing and repairing, hardware installation and configuration. Two hours lecture, three hours lab. Prerequisite: EET402.

MANUFACTURING ENGINEERING TECHNOLOGY COURSES

Waiving of any course prerequisite requires departmental authorization.

MET 100 Electrical Circuits for Manufacturing (3) F. Studies fundamentals of electricity, solution of DC and AC circuits, motors and generators, three-phase industrial power, power generation, distribution, transmission, and transformers. Includes laboratory sessions to demonstrate and reinforce understanding of these topics. Two hours lecture, three hours lab.

MET 101 Electronic Instrumentation for Manufacturing (3) Sp. Studies electronic devices used in manufacturing and control equipments, such as diodes, transistors, SCR's, triacs, and integrated circuits. Also studies electronic circuits including power supplies, amplifiers, oscillators, digital electronics, basic principles of electronic communications, and electronic control circuits. Prerequisite: MET100.

MET 111 Manufacturing Processes (2) Sp. Introduction to manufacturing engineering. OSHA safety regulations, GMP, quality control, SPC, Lean manufacturing and Six-sigma.

MET 112 Manufacturing Methods (3) Sp. Introduction to machine shop practices using hand tools, precision measuring equipment, and machine tools. Topics include metal casting and forming, machining of materials, and inspection. Operating traditional machine tools such as engine lathe, milling machines, drill presses and grinders. Two hours lecture, three hours lab.

MET 221 Introduction to Automated Manufacturing (2) F. A general survey of the various components and operations in automated manufacturing systems including material handling, robotics, tooling, inspection, and quality control. Study of PLC programming and operation. One hour lecture, two hours lab. Prerequisites: MET100 and MET101.

MET 222 CNC Machining Processes (2) F. Study and practice of CNC machining operation including setup, programming, and machine-computer interface. One hour lecture, two hours lab. Prerequisite: MET112.

MET 260 Mechanics of Materials (4) Sp. Axial, torsional, bending, and combined stress and strain analysis; mechanical properties and applications for static, fatigue, creep, and impact conditions; emphasizes beam stresses and deflections, columns, and riveted and welded connections. Three hours lecture, three hours lab. Prerequisite: EGT260.

MET 285 Topics in Manufacturing (3) DD. Study of selected topics in manufacturing, including the evaluation and review of specific manufacturing processes and study in a given area that combines previous manufacturing engineering courses culminating in an integrated experience through an individual technical report and presentation. Prerequisites: MET101, MET111, and MET112.

MET 315 Mechanical Systems (3) F. Principles of water supply and treatment, plumbing, sanitation systems, heating, ventilation and air conditioning. Two hours lecture, three hours lab. Prerequisite: EGT220.

MET 322 Electrical Circuits II (4) Sp. Analysis of series and parallel DC networks by various methods including mesh and nodal analyses, network theorems; Thevenin's, Norton's and Superposition. Analyses of AC series and parallel networks (RL, RC & RLC circuits), j operators, phasors, reactances, phase relationships, power, network theorems, sinusoidal AC voltages, currents, impedances and admittances (RL, RC & RLC), resonance, frequency response, polyphase systems, transformers and circuit analysis applications using PSpice computer simulation program. Laboratory exercises using AC sources, dual-trace oscilloscope, frequency generator, spectrum analyzer and circuit prototyping reinforce the lecture concepts. Three hours lecture, three hours lab. Prerequisites: MET100 and credit or concurrent enrollment in MAT119.

MET 372 Programmable Logic Controllers (4) Sp. Studies programmable logic controllers (PLC's); hardware components, memory structure, I/O modules, PLC ladder logic diagrams and basic programming functions, sequencing, contact and coil programming, fail-safe circuits and applications. Laboratory experiments feature hardware/software applications using industrial-grade PLC's of the major manufacturers interfaced with I/O devices for data acquisition and control experiments. Three hours lecture, three hours lab. Prerequisite: MET221.

MET 390 Design Projects/Industrial Internship (2-4) F, Sp, Su. Analysis, development and implementation of a project or work and study in an approved position in industry to enrich educational experience. Prerequisite: Department chairperson's approval.

MET 422 Electrical Power Technology (3) Sp. Studies the principles and applications of various types of DC and AC generators and motors, methods of power control, using thyristor devices, solid-state AC and DC motor drives and servo mechanisms, microcontrollers control applications for motor drives, interface to programmable logic control systems, inverters, converters, and cycloconverters; principles of three-phase power systems; transformers; generation, transmission, motors/generators, and three phase power relationships. Three hours lecture, three hours lab. Prerequisite: MET322.

MET 452 Automation and Process Control Technology (4) F. Studies principles of feedback control systems, compensation techniques, major types of sensors, electromechanical components and the interface between mechanics and electronics. Three hours lecture, three hours lab. Prerequisite: MET372.

Department of Health, Physical Education, and Recreation

Dr. Brenda Blessing, *Chairperson* blessing@missouriwestern.edu 271-4491
<http://www.missouriwestern.edu/HPER/>

The Department of Health, Physical Education, and Recreation strives to engage all students in programs that target health and physical fitness. The department offers a Bachelor of Science Degree in physical education and recreation sport management. These programs of study offer students wide-ranging intramural experiences; a planned sequence of exercises and sports activities that develop strong, active bodies; and coursework that prepares students in the disciplines of physical education and recreation sport management.

Students may satisfy general education requirements in category five by taking PED101, Fitness and Wellness, and one activity course. The Fitness and Wellness course acquaints students with basic knowledge, understanding, and importance of lifelong physical activity and fitness. Students with disabilities that restrict them from the regular activity program may enroll in PED110 Adaptive Activities as often as needed. Repeating in this course will satisfy the general education activity requirement.

The department offers a Bachelor of Science degree with a major in Physical Education. The two concentrations available are Health and Exercise Science and Physical Education General. The health and exercise science concentration provides career opportunities in private fitness specialization, corporate wellness programming, health clubs, spas, and hospital-based cardiac and pulmonary rehabilitation. The physical education general concentration provides career opportunities in coaching and serving as sports specialists in a variety of settings. The physical education general concentration also offers a teacher education track that prepares students to earn the education certificate necessary to teach physical education in schools. In addition the department offers courses toward securing health certification. A minor in coaching is offered by this department for students, in any discipline, interested in coaching.

The Bachelor of Science in Recreation Sport Management has two concentration areas: Recreation Management and Sport Management. Career opportunities in recreation management include intramural recreation, YMCA/YWCA, community recreation centers, youth sports, public recreation, and aquatic recreation. The sport management emphasis provides career opportunities such as a sports information director, athletic director, health fitness club manager, adventure travel and tourism, hotel/resort management, promotion of professional sports teams, sport facility management, sporting goods marketing, sports journalism and golf course management. A minor in Recreation Sport Management is available.

The department has a supplemental preparation requirement prior to graduation based on the premise that not all instruction takes place in the classroom and that experiential opportunities are a valuable part of a well-rounded education. Student majors should contact their advisors for the specific requirements for their degree.

Attention Physical Therapist Assistants

Students who have completed the PTA degree are encouraged to complete a Bachelor of Science in Physical Education, Health and Exercise Science concentration.

ADMISSION REQUIREMENTS

Students desiring to pursue the Health and Exercise Science concentration of the Physical Education major should apply to the HPER Department. Applicants must have an overall GPA of 2.5 in PED191 or PTA100, BIO250, and PED101 for admission to the program.

Recreation Management major's application process is dependent upon successful progress toward degree, completion of Category One of General Studies with C or better in all courses, an ACT score of 18 or the equivalent, and a minimum of 2.2 GPA. Once the student has met the requirements, the major declaration form will be processed and they may enroll in the appropriate courses.

GRADUATION REQUIREMENTS

Students with a Health and Exercise Science concentration must have current CPR Certification at graduation. Graduating students are strongly encouraged to have one of the following: certification or application for certification as a health fitness specialist or higher from ACSM, athletic trainer from the NATA; personal trainer or higher from the NSCA, club coach or higher from the USWF, or other certifications cleared by the department via petition or acceptance into an accredited graduate program at graduation. In addition, students are required to take and pass the HPER exit exam their last semester before they graduate.

Students with the Teacher Education in Physical Education concentration must meet all requirements to student teach and pass student teaching with a grade of C or better and a 2.5 GPA.

Students with the General Concentration must take and pass the HPER department exit exam their last semester before graduation and have a C or better in their physical education courses.

Recreation Management majors must complete all course work with a C or better and meet all exit requirements for the major as required in RSM420 and RSM430.

NOTE: The HPER department may require of their students in major and minor programs of study that are enrolled in certain classes that will be going out for applied learning experiences, internship and / or practicums to obtain at their cost an appropriate professional conduct, background checks, and fingerprinting. This requirement is to be completed before HPER students engage with students, clients and all other participants in their programs.

BACHELOR OF SCIENCE DEGREE REQUIREMENTS

The Bachelor of Science in Physical Education requires both the core classes as well as a concentration.

Core Requirements

		<i>Credits</i>
BIO	250 Anatomy and Physiology	5
PED	191 Foundations of Physical Education	2
PED	303 Kinesiology	3
PED	304 Physiology of Exercise	3
PED	305 First Aid: Responding to Emergencies	OR
PED	306 Sport Safety Training	2
PED	317 Principles of Strength Training & Conditioning	OR
PED	318 Principles of Aerobic Training	2
PED	374 Psychology of Sport	2
PED	385 Athletic Training	2
PED	391 Personal and Environmental Health	3
PED	393 Measurement in Physical Education	3
PED	480 Practicum in Physical Education	OR
PED	481 Children's Lifetime Sports Academy Practicum	2
	TOTAL	29

Major in Physical Education - Health and Exercise Science Concentration

Students with a concentration in exercise science are preparing for private, industrial and commercial fields as exercise specialists. Students are required to take the 29 credit core requirements and an additional 23-24 credits in the health and exercise science concentration for a total of 52-53 credits with C or better in all courses in the major.

Core courses plus:			<i>Credits</i>
ALH 106	Medical Terminology		2
ALH 352	Applied Nutrition		OR
PED 352	Fitness and Sports Nutrition		2
PED 401	Graded Exercise Testing		3
PED 430	Field Experience in Health and Exercise Science		9
PED 451	Research in Health and Exercise Science		3
A minimum of 4 credit hours from:			4
PED 388	Community Health (2)		
PED 294	Drug Education (3)		
PSY 220	Health Psychology /Stress Management (3)		
RSM 325	Recreation Law for the Practitioner (2)		
TOTAL CONCENTRATION			<hr style="width: 100%; border: 0.5px solid black;"/>
CORE			23/24
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 29
			<hr style="width: 100%; border: 0.5px solid black;"/> 52/53

Major in Physical Education - General Concentration

All students must take the 29 credits in degree requirements. For the physical education general concentration an additional 22 credits in physical education course work are required for a total of 51 hours with a C or better in all courses. Students not wishing to teach are encouraged to select a minor in a related discipline to maximize career opportunities upon graduation. Suggested areas include criminal justice, military science, journalism, or business.

Core courses plus:			<i>Credits</i>
PED 240	Methods and Techniques of Lifetime Activities		3
PED 241	Methods and Techniques of Sports		3
PED 246	Methods and Techniques of Dance & Gymnastics		2
PED 380	Rhythms & Creative Movement for Elementary School		2
PED 382	Elementary School Physical Education		3
PED 383	Adapted Physical Education		2
PED 392	Child Growth and Motor Development		3
PED 375	Sociocultural Aspects of Sport and Physical Activity		3
PED 420	Senior Seminar in Physical Education		1
TOTAL OPTION			<hr style="width: 100%; border: 0.5px solid black;"/>
CORE			22
TOTAL			<hr style="width: 100%; border: 0.5px solid black;"/> 29
			<hr style="width: 100%; border: 0.5px solid black;"/> 51

Major in Physical Education - Concentration in Teacher Education

Students interested in coaching or teaching physical education at the elementary or secondary level are required to complete the required credits in physical education core, plus the required credits in physical education general concentration with a C or better in all courses. Students must also complete the professional education sequence of the credits required for teacher certification with a C or better in all courses. Admission criteria to be accepted in the teacher education program are:

- Overall GPA of 2.75
- Content area GPA of 3.0
- EDU Course GPA of 3.0
- Successful Completion of all MOGEA sections
- Successful Completion of EDU202 and EDU203
- ACT Score on File
- Application to Education Program

Prior to student enrollment in EDU409, they must have a passing score on the appropriate Content Area Assessment as mandated by the Missouri Department of Elementary and Secondary Education and have successfully completed the student interview process.

Core courses plus:	<i>Credits</i>
EDU 202 Intro. to Education	3
EDU 203 Participation in Teaching I	1
EDU 225 Educational Psychology	2
EDU 303 Experience in Teaching II	2
EDU 304 Applied Methods and Management	3
EDU 311 Secondary Teaching Techniques	2
EDU 315 Psych. & Ed. of the Excep. Student	2
EDU 404 Seminar in Sec. Ed.: Human Relations	3
EDU 409 Student Teaching III	9
TOTAL	27
CORE	29
GENERAL OPTION	22
TOTAL	78

Major in Recreation Sport Management

Courses for this major must total 61 credits, including the 31 core credits and additional 30 credits in the concentration area with a C or better in all classes. Classes must be approved by the advisor based on the individual's career opportunity area of interest. The concentration areas are Recreation Management and Sport Management. Students are encouraged to complete a minor in a field that would make them more marketable. Examples would be business, criminal justice, sociology, psychology, natural sciences, biology or journalism. Students seeking a recreation sport management major must submit an application to their advisor for approval prior to enrolling in RSM323, RSM330, RSM343, RSM420, RSM424, and RSM430.

Core:	<i>Credits</i>
RSM 220 Introduction to Recreation	3
RSM 230 Recreation: Field Experience I	2
RSM 300 Philosophy & Leadership in Recreation Administration	3
RSM 323 Program Planning in Recreation	3
RSM 325 Recreation Law for the Practitioner	2
RSM 330 Recreation: Field Experience II	3
RSM 420 Seminar in Recreation	1
RSM 424 Organization & Administration of Leisure Agencies	3
PED 305 First Aid: Responding to Emergencies	OR

PED 306	Sport Safety Training	2
RSM 430	Recreation: Field Experience III	9
TOTAL CORE		<hr/> 31

Recreation Management Concentration

Core courses plus 30 hours selected from the courses listed below:

Credits

CSC 201	Microcomputer Applications (3)	
LAW 110	Juvenile Delinquency (3)	
LAT 101	Introduction to Law (3)	
PED 144	Beginning Recreational Games (1)	
PED 310	Principles & Administration of Coaching (2)	
PED 374	Psychology of Sport (2)	
PED 481	Children's Lifetime Sports Academy (2)	
RSM 322	Social Recreation (2)	
RSM 335	Instructor of Initiatives (2)	
RSM 342	Parks & Recreation Areas & Facilities (3)	
RSM 343	Promotion of Sport and Recreation Agencies (3)	
RSM 344	Adventure Travel and Tourism Development (3)	
RSM 365	Introduction to Special Populations (3)	

Two of the following (2 credits each):

PED 311	Coaching & Officiating of Football	
PED 312	Coaching & Officiating of Basketball	
PED 313	Coaching & Officiating of Baseball & Softball	
PED 314	Coaching & Officiating of Track & Field	
PED 315	Coaching & Officiating of Volleyball	
PED 316	Coaching & Officiating of Wrestling	
PED 317	Principles of Strength Training & Conditioning	
PED 319	Coaching & Officiating of Soccer	

TOTAL CONCENTRATION	<hr/> 30
CORE	<hr/> 31
TOTAL	<hr/> 61

Sport Management Concentration

Core courses plus 30 hours selected from the courses listed below:

Credits

LAT 101	Introduction to Law (3)	
ACC 201	Introductory Financial Accounting (3)	
CSC 201	Microcomputer Applications (3)	
ECO 260	Principles of Macroeconomics (3)	
GBA 220	Business Communications (3)	
JOU 200	Principles & Theory of Mass Media & Journalism (3)	
MGT 350	Organizational Behavior (3)	
PED 374	Psychology of Sport (2)	
PED 375	Sociocultural Aspects of Sport and Physical Activity (3)	
PED 481	Children's Lifetime Sports Academy (2)	
RSM 335	Instructor of Initiatives (2)	
RSM 342	Resorts, Parks, Recreation Areas & Facilities (3)	
RSM 343	Promotion of Sport and Recreation Agencies (3)	
RSM 344	Adventure Travel & Tourism Development (3)	
RSM 360	Commercial Recreation (3)	
RSM 365	Introduction to Special Populations (3)	

TOTAL CONCENTRATION	<hr/> 30
CORE	<hr/> 31
TOTAL	<hr/> 61

MINOR REQUIREMENTS

Minor in Recreation Sport Management

The student must successfully complete 21 credits of C or better in all courses.

Required CORE Courses:

		<i>Credits</i>
RSM 220	Introduction to Recreation	3
RSM 323	Program Planning in Recreation	3
RSM 325	Recreation Law for the Practitioner	2
RSM 424	Organ. & Admin. of Leisure Agencies	3
RSM 480	Practicum in Recreation	2
PED 305	First Aid: Responding to Emergencies	OR
PED 306	Sport Safety Training	<u>2</u>
	SUBTOTAL	15

Plus 6 hours of the following:

RSM 300	Philosophy and Leadership in Rec. Adm. (3)	
RSM 335	Instructor of Initiatives (2)	
RSM 342	Resorts, Parks, Recreation Areas & Facilities (3)	
RSM 343	Promotion of Sport and Recreation Agencies (3)	
RSM 344	Adventure Travel and Tourism Development (3)	
RSM 360	Commercial Recreation (3)	
	SUBTOTAL	<u>6-8</u>
	TOTAL FOR THE MINOR	<u>21-23</u>

Minor in Athletic Coaching

Majors in or outside the field of education may also receive a minor in Athletic Coaching.

The student must successfully complete 21 credits of C or better in all courses:

		<i>Credits</i>
PED 241	Methods & Techniques of Sports	3
PED 304	Physiology of Exercise	3
PED 305	First Aid: Responding to Emergencies	OR
PED 306	Sport Safety Training	2
PED 310	Principles & Administration of Coaching	2
PED 374	Psychology of Sport	2
PED 385	Athletic Training	2
PED 480	Practicum in Physical Education	2

6 credits from the following (2 credits each):

PED 311	Coaching & Officiating of Football	6
PED 312	Coaching & Officiating of Basketball	
PED 313	Coaching & Officiating of Baseball & Softball	
PED 314	Coaching & Officiating in Track & Field	
PED 315	Coaching & Officiating of Volleyball	
PED 316	Coaching & Officiating of Wrestling	
PED 319	Coaching & Officiating of Soccer	
	TOTAL FOR THE MINOR	<u>22</u>

Minor in Wellness

MWSU students not majoring in the field of Physical Education may minor in Wellness. With renewed interest in the health of the nation, burgeoning health costs, and recent developments in preventative and remedial strategies for a variety of lifestyle-related diseases (heart disease, obesity, cancer, osteoporosis, and sexually transmitted diseases), there is a growing need for individuals trained in the field of wellness. A minor in wellness could be especially helpful for students majoring in nursing, recreation sport management, psychology, biology (pre-medicine or pre-physical therapy), or management, or for students who wish to self-implement a wellness program.

Students seeking this minor must complete at least 22 credits from the following classes with a C or better in all courses:

			<i>Credits</i>
ALH	352	Applied Nutrition	OR
PED	352	Fitness and Sports Nutrition	2
PED	303	Kinesiology*	3
PED	304	Physiology of Exercise*	3
PED	305	First Aid: Responding to Emergencies	2
PED	317	Strength and Conditioning Principles	2
PED	318	Aerobic Training Principles	2
PED	391	Personal and Environmental Health	3
		SUBTOTAL	17

(*Prerequisite: BIO250 or permission of instructor.)

In addition to the previous courses listed, the student must choose a minimum of 5 credit hours from the following courses:

PSY	220	Health Psychology / Stress Management (3)	
PED	374	Psychology of Sport (2)	
PED	480	Practicum in Physical Education (2)	
PED	401	Graded Exercise Testing (3)	
		SUBTOTAL	5
		TOTAL REQUIREMENT FOR MINOR	22-23

Minor in Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Gender and Power Studies Minor

Refer to the Interdepartmental Studies catalog section for specific requirements.

CERTIFICATION IN HEALTH EDUCATION

Teachers holding valid elementary or secondary teaching certificates may be granted additional certification in health upon successful completion of the following coursework. Transfer hours are subject to review. A grade-point average of 2.5 in the subject area is required. In addition, a passing score on the appropriate Content Area Assessment as mandated by the Missouri Department of Elementary and Secondary Education is required for certification.

			<i>Credits</i>
ALH	352	Applied Nutrition	OR
PED	352	Fitness and Sports Nutrition	2
BIO	250	Anatomy and Physiology	5
PED	222	Human Sexuality	3
PED	305	First Aid: Responding to Emergencies	2
PED	370	Methods in Teaching Health and Physical Education	3
PED	388	Principles and Issues in Community Health	2
PED	391	Personal and Environmental Health	3
PED	294	Drug Education	3
PSY	220	Health Psychology / Stress Management Electives	3
PED	392	Child Growth & Motor Development	3
PED	480	Practicum in Physical Education	2
ALH	106	Medical Terminology	2
		TOTAL	33

- Notes:
- Transfer hours are subject to review
 - GPA of 2.5 in subject area is required
 - K-12: All electives hours required - total hours 33
 - K-9: No additional elective hours - total 26
 - 9-12: 7 additional elective hours - total hours 30
 - PED370 is not required for 9-12 certification - count as elective

FACILITY AND SPECIAL FEES FOR ALL COURSES

A facility fee of \$10 is required for all courses in the department. Special fees are charged for some courses which require special equipment and/or facilities.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

PHYSICAL EDUCATION THEORY COURSES

Waiving of any course prerequisites requires prior departmental authorization.

PED 100 Introduction to Health, Physical Education and Recreation (3) DD. Introduction to fields of study in Health and Exercise, Physical Education and Recreation Sport Management. Basic information about the different possible career opportunities as well as professional organization affiliations.

PED 101 Fitness and Wellness (3) F, Sp, Su. Develops knowledge and skill in obtaining optimal health fitness through nutrition, stress management, cardiorespiratory endurance, recognition of risk factors for heart disease, and musculoskeletal development. Two hours lecture, two hours lab. Students must enroll in the lecture and one of the following seven PED101 labs:

PED 101 Fitness & Wellness Laboratory: Aquatic Conditioning. Designed to instruct students in a variety of aquatic exercises to develop overall muscular strength, muscular endurance, flexibility, and cardiovascular fitness. Swimming skills not needed.

PED 101 Fitness & Wellness Laboratory: General Physical Conditioning. Designed to instruct students in a variety of physical exercise activities to develop overall muscular strength, muscular endurance, flexibility and cardiovascular fitness.

PED 101 Fitness & Wellness Laboratory: Fitness Swimming. Designed to instruct students in a swimming program to develop overall muscular strength and muscular endurance, flexibility and cardiovascular fitness. Prerequisite: Intermediate swimming level and above.

PED 101 Fitness & Wellness Laboratory: Jogging. Designed to instruct students in a jogging program to develop overall muscular strength, muscular endurance, flexibility and cardiovascular fitness.

PED 101 Fitness & Wellness Laboratory: Rhythmic Aerobics. Designed to instruct students in a variety of choreographed exercise routines to music to develop overall muscular strength, muscular endurance, flexibility and cardiovascular fitness.

PED 101 Fitness & Wellness Laboratory: Strength Training. Designed to instruct students in weight resistant activities to develop overall muscular strength, muscular endurance, and flexibility.

PED 101 Fitness & Wellness Laboratory: Walking for Fitness and Weight Control. Designed to instruct students in a walking exercise program to develop overall muscular strength, muscular endurance, flexibility and cardiovascular fitness.

PED 191 Foundations of Physical Education (2) F, Sp. Historic and philosophic analysis of physical education emphasizing physical education as an academic discipline, professional opportunities, and associated fields. Recommended for freshmen.

PED 222 Human Sexuality (3) F. Physiological, psychological, sociological, behavioral, and clinical aspects of sexuality. Topics will be addressed over the life span and will include controversial issues.

PED 240 Methods and Techniques of Lifetime Activities (3) F, Sp. Presents Teaching Methodology - develops knowledge and skills in lifetime activities. Two hour lecture and two hours lab. May require additional off campus meetings for applied teaching experiences.

PED 241 Methods and Techniques of Sports (3) F, Sp. Presents Teaching Methodology - develops knowledge and skills in the team sports of basketball, flag football, soccer, and volleyball. Two hour lecture and two hours lab. May require additional off campus meetings for applied teaching experiences.

PED 246 Methods and Techniques of Dance and Gymnastics (2) Sp. Presents teaching methodology and develops knowledge and skills in social, folk, and square dance, stunts and tumbling, and apparatus gymnastics. One hour lecture, two hours lab. May require additional off-campus meetings.

PED 283 Introduction to Research Methods in Physical Education (1-2) DD. Introduction to basic research in physical education. Individual and team projects involving methods for solving physical education-related research problems. Prerequisite: Consent of the department.

PED 294 Drug Education (3) Sp. This course addresses the concepts of drug use, drug misuse and drug abuse as they pertain to prescribed medications as well as illicit substances. Over the counter preparations are included, as well as the more commonly encountered drugs in the school setting.

PED 303 Kinesiology (3) F, Sp. Analyzes movement through the study of anatomical structures and mechanical principles of the human body; applicable to elementary, secondary, and adult populations. Prerequisite: BIO250 with C or better.

PED 304 Physiology of Exercise (3) F, Sp. Basic physiology applied to physical education and the training of athletes; applicable to elementary, secondary, and adult populations. Three hours lecture, one hour lab. Prerequisite: BIO250 with a C or better.

PED 305 First Aid: Responding to Emergencies (2) F, Sp, Su-Intersession (odd-numbered years). Designed to provide the knowledge and skills necessary to help sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. Participants will be able to identify and eliminate potentially hazardous conditions, recognize emergencies and make appropriate decision for first aid care. Certification concentrations are: 1) First Aid: Responding to Emergencies which is valid for three years, 2) Adult/Child/Infant CPR which is valid for one year, and 3) AED Essentials which is valid for one year. One hour lecture, two hours lab.

PED 306 Sport Safety Training (2) F, Sp, Su-Intersession (even-numbered years). Designed to provide the knowledge and skills necessary to help provide a safe environment for athletes while participating in sports and, in an emergency, to help sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. Participants will be able to identify and eliminate potentially hazardous conditions, recognize emergencies and make appropriate decision for first aid care. Certification concentrations are: 1) Sport Safety Training which is valid for three years, 2) Adult and Child CPR which is valid for one year, and 3) AED Essentials which is valid for one year. One hour lecture, two hours lab.

PED 310 Principles and Administration of Coaching (2) DD. Provides insight into the coaching profession; includes developing a professional approach to coaching ethics, psychology of athletics, staff selection, public relations, administration of duties (scheduling, eligibility, reports, purchasing, care of facilities), and appreciation for non-technical aspects of the total job. Prerequisite: Junior standing.

PED 311 Coaching and Officiating of Football (2) F (odd-numbered years). Theory, fundamentals, and officiating of football; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing. May require additional off-campus meetings.

PED 312 Coaching and Officiating of Basketball (2) F. Theory, fundamentals, and officiating of basketball; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing.

PED 313 Coaching and Officiating of Baseball and Softball (2) Sp (odd-numbered years). Theory, fundamentals, and officiating of baseball and softball; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing. May require additional off-campus meetings.

PED 314 Coaching and Officiating in Track and Field (2) DD. Theory, fundamentals, and officiating of track and field; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing. May require additional off-campus meetings.

PED 315 Coaching and Officiating of Volleyball (2) F. Theory, fundamentals, and officiating of volleyball; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing. May require additional off-campus meetings.

PED 316 Coaching and Officiating of Wrestling (2) DD. Theory, fundamentals, and officiating in wrestling; includes team selection, organization, and strategies from the coaching and officiating standpoints. Officiating in Intramurals may be required. Two hours lecture, one hour lab. Prerequisite: Sophomore standing. May require additional off-campus meetings.

PED 317 Principles of Strength Training and Conditioning (2) Sp. Fundamentals in the development of strength and conditioning programs for a variety of populations. Includes the physiological bases of strength development, identification of specific exercises to develop strength, proper technique, and periodized programming for maximal development. One hour lecture, two hours lab. May require additional off-campus meetings.

PED 318 Principles of Aerobic Training (2) F. Fundamentals in the development of aerobic programs for a variety of populations: includes the physiological bases of aerobic development, identification of specific exercises and dance movements to develop aerobic power, proper technique, contraindicated exercises, and periodized programming for maximal development of aerobic power. One hour lecture, two hours lab. May require additional off-campus meetings.

PED 319 Coaching and Officiating of Soccer (2) Sp. Theory, fundamentals, and officiating of soccer includes FIFA laws of the Game, skill development, conditioning, strategies, and basic organizational techniques to coach and referee soccer. Two hours lecture, one hour lab. Prerequisites: Sophomore standing. May require additional off-campus meetings.

PED 352 Fitness and Sports Nutrition (2) DD. This course will provide students with an understanding of the basic nutrition principles to help promote and maintain health throughout a life cycle. Students will examine the relationship between physical activity, proper nutrition, sports performance and overall wellness. Students will learn what foods are needed for healthy lifestyles and peak performance. Students will also learn how proper nutrition maximizes physical performance in exercise and sports contexts. This course strengthens health promotion and disease prevention through increased knowledge of nutrition and physical activity. This class provides information to students in developing healthy lifestyle choices.

PED 370 Methods in Teaching Health and Physical Education (3) F, Sp. Includes health/physical education content at the collegiate level, as well as methods and materials for the school settings. The physical education major will receive health methods K-12 and the elementary classroom majors will receive health and physical education methods K-6. Prerequisite: PED101 and official admittance to the teacher education program.

PED 374 Psychology of Sport (2) F, Sp. Emphasizes the psychology and sociology of the sports participant from the standpoint of participant's behavior toward other individuals and groups. Prerequisite: PSY101 and junior standing.

PED 375 Sociocultural Aspects of Sport and Physical Activity (3) Sp. To develop an understanding of sport not only from a sociological perspective but also from a social creation standpoint. This course will examine the socially created realities of sport and will provide a critical analysis of sport at all levels (informal and organized youth, interscholastic, intercollegiate, and professional). Emphasis is placed on gender, race, economic, media, and political issues in sport.

PED 380 Rhythms and Creative Movement for Elementary School (2) F, Sp. Designed to teach elementary teachers how to approach the use of rhythms as a means for developing neuromuscular growth and body space awareness; uses a variety of musical styles and rhythmic devices to develop a knowledge in movement exploration including body awareness, space utilization, time, and energy change. One hour lecture, two hours lab. Prerequisite: Sophomore standing. Elementary education majors may not take the course until officially admitted to teacher education. Students will be required to meet off-campus for teaching experience.

PED 381 Outdoor Education (3) DD. A methodology course with an emphasis on establishing learning experiences in natural environments through varied disciplines of study. Two hours lecture, two hours lab.

PED 382 Elementary School Physical Education (3) F, Sp. Fundamental skills, sports, and games for the elementary school physical education program. Two hours lecture, two hours lab. Prerequisite: Sophomore standing. May meet off-campus for micro teaching experiences in an elementary school; may have one teaching experience at night.

PED 383 Adapted Physical Education (2) Sp. Theory and methods of programming activities for handicapped students; recognition of, prevention of, and practical experience with structural deviations from normal body mechanics.

PED 385 Athletic Training (2) F, Sp. Prevention and care of common athletic injuries, protective equipment, and training methods. One hour lecture, two hours lab. Prerequisite: BIO250.

PED 386 Prevention, Intervention and Treatment of Sexually Transmitted Diseases. (3) DD. This course examines the evolution of AIDS and STD's as well as modes of transmission, disease progression, and the risk factors involved in pathogenic exposure. In addition, screening procedures and treatments are addressed. Prerequisite: BIO101 or BIO105 and junior standing.

PED 387 Current Issues in Health Education (3) DD. This course is designed to critically analyze research and literature in health education. The range of topics for discussion will include literature from popular readings to scientific reports from refereed journals. Prerequisite: Junior standing.

PED 388 Community Health (2) F. This course examines the issues and problems that exist within the political, social, cultural and economic dimensions of community health. Prerequisite: Junior standing.

PED 391 Personal and Environmental Health (3) F, Sp. This course addresses personal and environmental health issues and concerns as they relate to physiological and psychological well-being. Responsibility and decision making skills pertinent to health behaviors are also included. Prerequisites: A grade of C or better in PED101.

PED 392 Child Growth and Motor Development (3) F, Sp. The study of humans from conception to maturation dealing with the pattern of growth involved in the physical and mental process. This course will focus on the four domains of growth (Physical (Motor), Cognitive, Social and Emotional) with a specific emphasis on Motor Development/Motor Learning. The main purpose is to develop understanding of experimental and experiential factors concerning developmental factors that affect a person's skills and abilities in all four domains across the lifespan.

PED 393 Measurement in Physical Education (3) F, Sp. Methods in evaluation of the product and process; special emphasis on physical fitness, motor ability, posture, and specific sports skills; applicable to elementary, secondary, and adult populations. Prerequisite: A grade of C or better in MAT110 or higher.

PED 395 Intramural Management (2) DD. Organization and administration of intramural and extramural activities. Assistance in the intramural program is required. One hour lecture, two hours lab.

PED 401 Graded Exercise Testing (3) F, Sp. Examines the principles of exercise testing, the methods of conducting a graded exercise test, collection and calculation of test data in a sequential manner and interpretation of information so obtained. Offers a basic understanding of the normal physiological adaptations to chronic exercise and the electrophysiology of electrocardiography. Three hours lecture, one hour lab. Prerequisite: A grade of C or better in PED304.

PED 420 Senior Seminar in Physical Education (1) F, Sp. Practical preparation for the profession including job seeking techniques, resume and portfolio building, interviewing techniques, professional organizations and membership benefits, and visits from professionals in the field. Prerequisite: Senior standing.

PED 430 Field Experience in Health and Exercise Science (9) F, Sp, Su. A 400 hour internship with an agency related to Health and Exercise Science to develop and utilize skills learned in the classroom. Prerequisite: Senior status; a grade C or above in all 29 hours in the PED courses in the core including PED401 and PED480; completion of all departmental application requirements; and agency acceptance of the intern.

PED 450 Independent Research/Project (1-5) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Completion of the major-minor declaration in physical education, a minimum of a 2.5 GPA in the major field, and/or departmental approval.

PED 451 Research in Health and Exercise Science (3) F, Sp. Original research in areas related to Health or Exercise Science. Students will be guided in the development of research ideas and problem statements, literature reviews, testing methodology, data collection, and interpretation of results. Prerequisites: Junior or senior standing; a grade of C or better in PED303, PED304, and PED393.

PED 480 Practicum in Physical Education (2) F, Sp, Su. Individualized in-depth study of a subject in which the student is particularly interested. Prerequisite: Junior or senior standing and consent of department chairperson and offered only to HPER majors.

PED 481 Children's Lifetime Sports Academy Practicum (2) Su. Practical teaching experience of children aged eight to twelve in lifetime sports and adventure activities. Can be repeated for credit. Students cannot repeat the same sports camp for credit.

PED 485 Athletic Training II (2) DD. Methods of athletic injury mechanisms and evaluative techniques of athletic injuries. Knowledge and understanding of modalities, therapeutic techniques, and rehabilitation programs of athletic injuries. One hour lecture, two hours lab. Prerequisite: A grade of C or better in PED385.

LIFETIME SPORTS PHYSICAL EDUCATION

ACTIVITY COURSES

All activities designated in this category meet the general studies requirement. No activity course can be repeated for credit except PED110, PED158, PED159, and PED160. Lifetime sport physical education activities will be offered during semesters when staff and facilities are available.

All sports activities are designed for the development of techniques, knowledge, appreciation, and skills used during the individual's lifetime for recreation and fitness, and serve as excellent stress diversion activities.

PED 110 Adaptive Activities (1) DD. A program of activities adapted to the needs of the handicapped and physically restricted student. This class may be repeated for credit with permission of the Coordinator of Adaptive Activities.

PED 111 Beginning Curling (1) DD. Introduction to the sport of curling, including sport specific skills of delivering the stone, and sweeping as well as cognitive skills of scoring, types of shots, and strategy.

PED 112 Beginning Racquetball (1) DD. A beginner's course of instruction in the basic skills of racquetball, including the techniques of singles and doubles play. Student must furnish racquet and a new can of racquetballs.

PED 116 Beginning Bait and Fly Casting (1) DD. Introduction to sport fishing. Emphasizes casting skills, methods of fishing, fish habitat, conservation practices, and lure making. Field trip may be required.

PED 117 Beginning Riflery and Trap Shooting (1) DD. Instruction in recreational shooting. Emphasizes firearms safety; rifle and shotgun trap marksmanship, particular stress on range practice; methods and techniques of reloading ammunition and cleaning firearms. Students must provide own ammunition.

PED 118 Beginning Bowling (1) DD. House fee required.

PED 119 Beginning Golf (1) DD. Students must furnish four new golf balls.

PED 120 Beginning Tennis (1) DD. Students must furnish racquet and one can of new tennis balls.

PED 121 Beginning Badminton (1) DD. Students must furnish three new shuttlecocks.

PED 122 Beginning Orienteering: Map and Compass (1) DD. An exciting new recreational sport which combines use of map and compass with physical activity; combines several styles of orienteering with practice on actual courses.

PED 123 Beginning Judo (1) DD. Student must furnish gi.

PED 124 Beginning Survival and Primitive Living (1) DD. Instruction in preparing for environmental emergencies with emphasis on the psychological aspect of survival situations and establishment of priorities for sustaining life in an environmental emergency. An overnight experience is required.

PED 127 Beginning Archery (1) DD. Introduction to target and field archery. Emphasizes shooting technique and various types of archery games and competition. Students must furnish a matched set of six arrows.

PED 128 Beginning Backpacking (1) DD. Instruction in backpacking. Emphasizes equipment orientation, personal conduct within the natural environment, clothing and shelter, preservation of wilderness area integrity, safety, foods, and cooking. Course includes on-the-trail instruction and practicum. All equipment furnished by the department.

PED 130 Beginning Swimming (1) DD. Basic skills in swimming. Swim suit required. Non-swimmers only.

PED 131 Lifeguard Training (1) DD. Provides minimum skills training for a person to qualify to serve as a lifeguard. Prerequisite: Be at least 15 years old, able to swim 500 yards continuously using side stroke, front crawl, and breast stroke. Each stroke demonstrated a minimum of 100 yards. Surface dive to 8 - 12 feet and recover a 10-pound brick. Tread water for 2 minutes with arms across chest (legs only).

PED 132 Intermediate Swimming (1) DD. Development of swimming strokes. Swim suit required. Prerequisite: Ability to swim.

PED 135 Skin and Scuba Diving (1) DD. Techniques and safety for skin and scuba diving. Swim suit and special fee required. Prerequisite: Above-average ability to swim.

PED 137 Water Safety Instructor (1) DD. Water safety techniques as prescribed by the American Red Cross; W.S.I. Certification for those who qualify. Swim suit required. Prerequisite: Be at least 17 years of age at the end of the course, able to pass the pre-course written test and skills test. The written test is taken from the Community Water Safety and/or Swimming and Diving Text (Chapters 2 and 13). The skills test involves rescue skills and stroke evaluation.

PED 138 Beginning Canoeing (1) DD. Practical instruction in canoeing. Emphasizes safety and techniques. On-the-water experiences are integral with instruction. Students must be able to swim.

PED 139 Beginning Skiing (1) DD. Development of basic skills in downhill (Alpine) and/or cross country skiing. Special fee required.

PED 140 Beginning Ice Skating (1) DD. Special fee required.

PED 141 Beginning Karate (1) DD. Students must furnish gi.

PED 142 Hap Ki Do (1) DD. A martial art activity with emphasis on self-defense. Students must furnish gi.

PED 144 Beginning Recreational Games (1) DD. Shuffleboard, table tennis, horseshoes, croquet, and others.

PED 145 Aerobic Dance (1) DD. An activity course in which students' cardiovascular endurance is developed through continuous rhythmic exercise and dance set to music.

PED 146 Beginning Social Dance (1) DD.

PED 147 Beginning Ballet (1) DD. Introduction to ballet with emphasis on developing style, the basics of body alignment, arm placement, footwork and expressiveness. Students must furnish ballet shoes.

PED 153 Beginning Modern Dance (1) DD. Students must furnish leotard.

PED 156 Beginning Tap Dance (1) DD. Students must furnish tap shoes.

PED 157 Dance Choreography (1) DD. Designed to teach principles and fundamental dance skills for use in choreography assignments relating to time, space, energy, group relationships, and performance techniques. The choreography is especially relevant to vocal music, musical theatre, and concert dance. Two hours lab.

PED 158 Intercollegiate Sports I (1) DD. Intercollegiate athletic team members who are on the men's football, men's basketball, women's volleyball, women's golf, women's soccer or women's basketball teams only. May be taken up to four times for credit.

PED 159 Intercollegiate Sports II (1) DD. Intercollegiate athletic team members who are on the men's baseball, men's golf, women's tennis, or women's softball teams only. May be taken up to four times for credit.

PED 160 Dance Participation (1) DD. Open to any individual interested in developing higher level skills in dance performance through participation in the Missouri Western State University Dance Company. May be taken up to four times for credit. Prerequisite: Consent of dance company sponsor.

PED 171 Beginning Cave Exploring (1) DD. Introduction to the sport of spelunking. Emphasizes safety aspects and appreciation of cave ecology. Course includes caving trips. Equipment furnished by the department.

PED 172 Intermediate Cave Exploring (1) DD. Continuation of PED171. Involves intermediate activities in spelunking: reading cave maps, basic vertical techniques, basic rescue techniques, and discussions in cave geology. Course includes caving trips. Most equipment furnished by the department. Special fee required. Prerequisite: PED171.

PED 175 Beginning Volleyball (1) DD.

PED 180 Pilates (1) DD. A progressive activity where students learn proper body alignment and techniques for integration into movement with emphasis on lower back and abdominal strength.

PED 182 Yoga (1) DD. Gaining personal power through the daily use of Kundalini Yoga is an integrated approach offering Kriya (designed physical movements), Pranayama (breathing practices), Dharana (concentration) and Dhyana (meditation) and gong vibration relaxation. The goal of the class is to deepen the qualities of attention and concentration and to increase physical and mental stamina in physical performance and practice settings.

PED 185 Beginning Weight Training and Conditioning (1) DD.

PED 186 Aerobics Fitness (1) DD.

PED 187 Beginning Cycling (1) DD. Students must furnish bicycle.

PED 188 Wilderness Canoeing (1) DD. Comprehensive course in flatwater and river canoeing; emphasizes whitewater paddling technique and personal conduct in wilderness environments; includes wilderness camping skills and expedition dynamics. Class is usually held in Minnesota, South Missouri, or Arkansas.

PED 189 Beginning Pistol and Skeet (1) DD. Pistol and skeet marksmanship, emphasizing range practice; methods and techniques of reloading ammunition and cleaning firearms. Students must provide own ammunition.

PED 190 Adult Physical Fitness (1) F, Sp. An activity course in which student's knowledge of high level wellness is developed through participation in discussion and physical activity programs. Designed as a class for returning students to be taught concurrently with the adult physical fitness class in Continuing Education.

PED 193 Special Weight Training Class for Athletes Only (1) DD. Limited to members of MWSU Intercollegiate Athletic Teams only. May be taken one time only for credit.

PED 219 Intermediate Golf (1) DD. Students must furnish four new golf balls. Prerequisite: PED119.

PED 250 Intermediate Ice Skating (1) DD. Continuation of PED140. Emphasizes ice skating as a leisure activity for a lifetime. Special fee required.

PED 253 Intermediate Modern Dance (1) DD. Students must furnish leotard. Prerequisite: PED153.

RECREATION SPORT MANAGEMENT COURSES

Waiving of any course prerequisites requires prior departmental authorization.

RSM 220 Introduction to Recreation (3) F, Sp. History and foundations of organized recreation including objectives, responsibilities, scope, and economic and social aspects; tours of specific recreation agencies. Two hours lecture, two hours lab.

RSM 230 Recreation: Field Experience I (2) F, Sp. Practical, exploratory view of three recreation agencies from an on-the-job perspective. One hour lecture, five hours lab. Prerequisite: RSM220 with a grade of C or better.

RSM 283 Introduction to Research Methods in Recreation/Sport Management (1-2) DD. Introduction to basic research in recreation or sport management. Individual and team projects involving methods for solving recreation or sport management-related research problems. Prerequisite: Consent of the department.

RSM 300 Philosophy and Leadership in Recreation Administration (3) F, Sp. Analyzes fundamental philosophical concepts and the influence on personal leadership and management techniques as they relate to working with people and leisure organizations.

RSM 322 Social Recreation (2) DD. Principles and techniques of administering and conducting social events; emphasizes planning, discussion, demonstration, and participation.

RSM 323 Program Planning in Recreation (3) F, Sp. Basic principles and practices in planning recreation programs in a variety of settings. Prerequisite: A grade of C or better in RSM220.

RSM 325 Recreation Law for the Practitioner (2) F, Sp. This course is designed to assist individuals in developing a "safety conscious" attitude toward leisure programming and to learn procedures that will aid them in risk management -- planning to reduce the incidence of injuries/lawsuits.

RSM 326 Recreational Arts, Crafts, and Music (2) DD. Surveys various arts, crafts, and music involved in recreation settings. Students must furnish their own supplies. One hour lecture, two hours lab.

RSM 330 Recreation: Field Experience II (3) F, Sp, Su. Supervised leadership assignment in a leisure agency leading to a deeper conceptual view of intended professional aspirations. One hour lecture, eight hours lab. Prerequisites: Completed major-minor declaration in recreation sport management program, a grade of C or better in RSM230, minimum overall GPA or 2.2, and 20 supplemental preparation hours.

RSM 335 Instructor of Initiatives (2) F. This course is designed to provide the student with the many aspects of being an instructor of initiative activities. The course will also provide the student with knowledge of how to build and construct different types of initiative and safety concerns.

RSM 340 Interpretive Services in Parks and Recreation (3) DD. Designed to apply a comprehensive interpretive program in parks and recreation. Development of an understanding of the principles and practices of stewardship and use of natural resources and the ability to interpret them to the general public, particularly as related to the public's role in stewardship. Application of the principles and practices basic to the effective management of recreation users in natural resources settings will be stressed.

RSM 342 Resorts, Parks, Recreation Areas and Facilities (3) Sp. Designed to provide a variety of theoretical and applied learning experiences to develop an understanding of the principles and procedures for planning, designing, developing and evaluating parks and recreation services, resources, areas and facilities. Understanding the ability to promote, advocate, interpret, and articulate the concerns of parks and recreation service systems for all populations and services. Prerequisites: A grade of C or better in RSM220.

RSM 343 Promotion of Sport and Recreation Agencies (3) F, Sp. Defines and analyzes the fundamentals of marketing in the sport and recreation fields. Emphasis is placed on the development of a marketing plan and a sponsorship proposal.

RSM 344 Adventure Travel and Tourism Development (3) F. Understanding the role of adventure travel and tourism and the economic importance it plays in American society. Implication for adventure travel and tourism programming and entrepreneurship. Course emphasis will be placed on the development of economics through adventure travel tourism development for the preservation of natural and cultural resources. Prerequisites: A grade of C or better in RSM220 or permission of instructor.

RSM 360 Commercial Recreation (3) F. Basic steps of initiating and conducting a commercial recreation enterprise; designed to offer students practical experience in starting a business. Two hours lecture, two hours lab.

RSM 365 Introduction to Special Populations (3) DD. Leisure needs and methods of serving various groups in a society; populations include the aged, the ill, the disabled, the disadvantaged, and those in penal institutions.

RSM 420 Seminar in Recreation (1) F, Sp. Practical preparation for the profession including job-finding skills, interview techniques, values of recreation association, and visits from field professionals. Prerequisites: Completed major-minor declaration in recreation sport management program, senior standing, and a grade of C or better in all RSM core courses (except RSM430).

RSM 424 Organization and Administration of Leisure Agencies (3) F, Sp. The internal operation of leisure organizations including staffing, finance, public relations, areas and facilities, decision making, and problem solving. Prerequisites: Completed major-minor declaration in recreation sport management program, senior standing, and a grade of C or better in RSM220, RSM300, RSM323, and RSM325.

RSM 430 Recreation: Field Experience III (9) F, Sp, Su. Full-time internship with a leisure agency to develop and utilize skills learned in the classroom. Prerequisite: Completed major-minor declaration in recreation sport management; must be senior standing; complete 31 hour core with C or better in all core courses; fulfilled the application requirements with the department for the course to be submitted the semester prior to enrolling; and earned a minimum 2.5 GPA in the major.

RSM 450 Independent Research/Project (1-5) F, Sp, Su. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: Completion of the major-minor declaration in recreation, a minimum of a 2.5 GPA in the major field, and/or department approval.

RSM 480 Practicum in Recreation (2) F, Sp, Su. An individualized in-depth study of a subject in which the student is particularly interested. Prerequisite: Junior or senior standing and consent of department chairperson and offered only to HPER majors.

Department of Military Science

Lt. Col. Shay Howard, *Chairperson* jhoward11@missouriwestern.edu 271-4541/4542
<http://www.missouriwestern.edu/ROTC/>

College-graduate junior executive managers for the U.S. Army are provided by the Army Reserve Officers' Training Corps (ROTC) program administered by the Department of Military Science. Traditional four-year baccalaureate-degree aspirants may qualify for a commission as an officer by completing military science courses. These courses may count as elective courses or as a supplement, amounting to 10 to 15 percent of the normal college studies. With the exception of a five-week paid summer experience, all instruction is presented on campus. Various field trips are conducted to further enrich the student's appreciation of national defense in its broadest sense and to develop leadership and managerial skills.

The United States Army commissions 2nd Lieutenant rank to the individual who completes either the two-year or four-year ROTC program and obtains a baccalaureate degree from MWSU. Currently, a college graduate who is commissioned through ROTC is placed on active or reserve duty, depending on his or her desires and on the needs of the service at the time of graduation.

ROTC PROGRAMS

Four-Year ROTC Program

This leadership program consists of 34 credit hours of military science offerings on campus: 14 credit hours from the basic ROTC program MIL 100- and 200-level courses, and 20 credit hours from the advanced ROTC program MIL 300- and 400-level courses. First semester sophomores who did not take military science during the freshman year may compress the basic program during their sophomore year by taking a 100-level and a 200-level course (for 3-credit hours total) each semester.

Two-Year ROTC Program

This program option is designed for junior and sophomore level students who were unable to enroll in ROTC during their first two academic years. The two-year program substitutes a five-week Army leadership intern program at Fort Knox, Kentucky, for the MIL 100- and 200-level courses. This leadership orientation is designed for sophomores with no prior military training. Students should attend the Leadership Training Course (LTC) between their sophomore and junior years.

MILITARY SCIENCE MINOR

Qualified students who complete the academic classes of the advanced ROTC program (MIL302, MIL312, MIL316, MIL326, MIL402, MIL412, MIL416, MIL426: total 20 hours) are eligible for a military science minor. A declaration of minor form must be completed at the time of entry into the advanced ROTC program.

ARMY COMMISSION

In addition to military science courses, students desiring to obtain an Army commission must take at least one course in military history. Additionally, students must demonstrate a basic swimming ability and complete the Cadet Command Enhanced Skills Training Program (ESTP).

All students seeking a commission must attend a five-week advanced training and assessment experience normally the summer between the junior and senior years. Attendance may be deferred until after the senior year at the discretion of the Chairperson of Military Science. The Leadership Development and Assessment Course (LDAC) is at Fort Lewis, Washington. Additionally, students may compete for selection to attend additional training after LDAC at the Army's Airborne or Air Assault schools or to participate in a three-week summer internship with Army field units in either the continental United States or overseas.

ADVANCED PLACEMENT

Prior active duty service members, Army Reservists and National Guardsmen who have completed basic training and high school junior ROTC graduates are eligible for placement directly into the advanced ROTC program (last two years of military science) with the consent of the Chairperson of Military Science. Eligible students request permission from the Chairperson of Military Science to enter the advanced course.

FINANCIAL ASSISTANCE

U.S. Army ROTC Scholarship

Two-, three-, and four-year scholarships are available each year to selected students who are enrolled or will enroll in the Army ROTC program. The scholarships provide payment of all tuition, fees, a monthly tax-free payment of \$300-\$500 for the duration of the scholarship, not to exceed ten months for each year of the scholarship, and a flat-rate book allowance of \$450 each semester.

Monetary Allowances

Contracted students enrolled in the last two years of military science receive \$300-\$500 per month during the school year, not to exceed ten months per year.

Fee Waiver

A limited number of tuition/fee waiver scholarships are awarded each semester to freshman and sophomore students who demonstrate the leadership ability to progress toward the advanced ROTC program. Interested students should see the Department Enrollment Officer for information.

Semester Designation

- F -- the course is offered in the fall semester
- Sp -- the course is offered in the spring semester
- Su -- the course is offered in the summer semester
- DD -- the course is offered at the discretion of the department

MILITARY SCIENCE COURSES

Waiving of any course prerequisites requires prior departmental authorization.

MIL 102 Leadership Practicum (2) F. Examines leadership in basic tactical and patrolling operations. Includes a tactical application exercise and participation in physical fitness conditioning as a course requirement. Students practice leadership according to 16 principles and learn basic individual soldier skills.

MIL 105 Rappelling and Military Rifle Marksmanship (1) DD. Course teaches techniques and methods of rappelling, rope management, knot tying, small bore rifle marksmanship and range safety. May be substituted for physical education activity credit in General Studies Category Five - Physical Health.

MIL 112 Leadership Practicum (2) Sp. Continuation of MIL102. Examines advanced squad and platoon tactical operations with emphasis on patrolling operations. Topics include: leadership techniques, basic first aid, and problem-solving exercises. A tactical field application exercise and physical fitness conditioning program are included as course requirements. Students perform duties as leaders of small units.

MIL 116 Foundations of Officership (1) F. The course introduces the student to issues and competencies that are central to a commissioned officer's responsibilities. These initial lessons establish a framework for understanding officership, leadership, and Army values. Additionally, the semester addresses "life skills" including fitness and time management. This course is designed to give the student an accurate insight into the Army profession and the officer's role in the Army.

MIL 126 Basic Leadership (1) Sp. This course builds upon the fundamentals introduced in MIL116 Foundations of Officership, by focusing on leadership theory and decision making. "Life skills" lessons in this semester include: problem solving, critical thinking, leadership theory, followership, group interaction, goal setting, and feedback mechanisms. Upon completion of this semester, students are prepared to advance to more complex leadership instruction concerning the dynamics of organization. Additionally, students will be increasingly required to demonstrate knowledge of leadership fundamentals and communications (written and oral). Prerequisite: MIL116 or departmental approval.

MIL 202 Leadership Practicum (2) F. Course examines squad and platoon offensive and defensive operations and leadership procedures in patrolling operations. Includes a tactical application exercise and participation in physical fitness conditioning as a course requirement. Students will perform various leadership roles and present classroom instruction. To be taken concurrently with MIL216.

MIL 210 Introduction to Survival and Cross-Country Orienteering (2) DD. Introduction to survival techniques and how to read a map and use a compass to negotiate a land navigation course. Additionally, the course provides basic tips about how to survive in the outdoors. Prerequisites: MIL105 and MIL116, or departmental approval.

MIL 212 Leadership Practicum (2) Sp. Continuation of MIL202 to examine advanced squad and platoon offensive and defensive operations, reaction to obstacles, and leadership procedures in patrolling operations. Includes a tactical application exercise and participation in physical fitness conditioning as a course requirement. Students will perform in various leadership roles and present classroom instruction. To be taken concurrently with MIL226.

MIL 216 Individual Leadership Studies (2) F. This semester is designed to develop within the student a knowledge of self, self-confidence and individual skills. Through experiential learning activities, students will develop problem-solving and critical-thinking skills, and apply communication, feedback and conflict-resolution skills. Building upon the fundamentals introduced in MIL116/MIL126, this course delves into several aspects of communication and leadership theory. The focus of the semester is on critical "life skills" which enable the student's future success. The course concludes with a major leadership and problem-solving case study which draws upon previous instruction. To be taken concurrently with MIL202. Prerequisites: MIL116 and MIL126 or departmental approval.

MIL 220 Advanced Survival Skills (2) DD. Provides the student with knowledge and practical experience in field expedient first aid and selected survival subjects. Course emphasizes first aid, land navigation, shelters, traps and snares, and water procurement.

MIL 226 Leadership and Teamwork (2) Sp. This course focuses on self-development guided by knowledge of self and group processes. Experiential learning activities are designed to challenge students' current beliefs, knowledge and skills. This semester takes the approach of placing students in a wide variety of group exercises designed to emphasize various leadership competencies and insights. The instructor, acting as facilitator, helps guide student processing of the events to derive the leadership, group dynamics and problem-solving lessons that the exercises offer. Practical "life skills" are emphasized throughout. To be taken concurrently with MIL212. Prerequisites: MIL116, MIL126, and MIL216 or departmental approval.

MIL 283 Introduction to Research Methods in Military Science (1-2) DD. Introduction to basic research in military science. Individual and team projects involving methods for solving military science related research problems. Prerequisite: Departmental approval.

MIL 302 Leadership Practicum (2) F. Examines squad and platoon offensive and defensive operations, the patrol leader in patrolling operations, and a tactical application exercise. Participation in physical fitness conditioning and a tactical application exercise is required. Students will perform in various leadership roles and present classroom instruction. To be taken concurrently with MIL316.

MIL 312 Leadership Practicum (2) Sp. Familiarization with military firearms; includes assembly and disassembly; tactical communications; and the field artillery request and a tactical application exercise. Participation in physical fitness conditioning and a tactical application exercise is required. Students will perform in various leadership roles and present classroom instruction. To be taken concurrently with MIL326.

MIL 316 Leadership and Problem Solving (3) F. Provides the student with no prior military or cadet experience the ability to quickly learn essential cadet knowledge and skills necessary for successful performance of cadet tasks. Following an introduction to the principles of physical fitness and healthy lifestyles, lessons will cover: the Leader Development Program, planning and conducting individual and small unit training, basic tactical principles, reasoning skills and the military-specific application of these skills in the form of the Army's troop-leading procedures. The course concludes with a detailed examination of officership, which culminates in a five-hour officership case study. To be taken concurrently with MIL302. Prerequisite: Completion of 6 credit hours in Military Science and departmental approval.

MIL 320 Introduction to U.S. Army Organizations and Equipment (1) DD. Provides students with an overview of the organization and structure of the United States Army, the role and missions of the Army Nurse Corps, and an introduction to the equipment, organization and tactics of Army combat units. Prerequisite: Acceptance into an accredited four-year nursing program.

MIL 326 Leadership and Ethics (3) Sp. Continues the focus from MIL316 on doctrinal leadership and tactical operations at the small unit level. Instructional modules include: Army branches, Army leadership philosophy, dynamics of a group environment, oral and written presentation skills, culminating in instruction in national and Army values and ethics. This critical semester synthesizes the various components of training, leadership and team building. To be taken concurrently with MIL312. Prerequisite: MIL316.

MIL 330 Leadership and Small Unit Operations (1) DD. Examines the principles of leadership and how they relate to small unit operations, to include the role and responsibilities of the medical service officer in evaluating and treating injured, sick and wounded people. Prerequisite: MIL320.

MIL 402 Leadership Practicum (2) F. Practical applications in problem analysis, decision making, planning and organization, delegation and control, and development of interpersonal skills required for effective management. Participation in physical fitness conditioning and tactical application exercise is required. Students will perform in various leadership positions and present classroom instruction. To be taken concurrently with MIL416.

MIL 412 Leadership Practicum (2) Sp. Practical applications in problem analysis, decision making, planning and organization, delegation and control, and development of interpersonal skills required for effective management, includes a tactical application exercise. Participation in physical fitness conditioning is required. Students will perform various leadership roles and conduct classroom instruction. To be taken concurrently with MIL426.

MIL 416 Leadership and Management (3) F. A series of lessons designed to enable students to make informed career decisions as they prepare for commissioning and service as Second Lieutenants. Classes concentrate on Army operations and training management, and communications and leadership skills, which support the final transition from cadet/student to Lieutenant/leader. Subjects include: The Army Training Management System, coordinating activities with staffs, and counseling skills. At the end of this semester, students should possess the fundamental skills, attributes and abilities to operate as a competent leader in the cadet battalion. To be taken concurrently with MIL402.

MIL 420 Training and Logistics Management (1) DD. Familiarizes student with the components of the U.S. Army Training Management and Logistics System. In addition, examines international military power, advanced problem-solving, planning/coordination/execution of special events and leadership pursuits as an army 2nd Lieutenant. Prerequisite: MIL330.

MIL 426 Officership (3) Sp. A series of lessons that provide a review of the ethical dimensions of leadership, law in leadership, organizing for military operations to include historical case studies, personnel, supply and maintenance administration and management, personal financial planning and entering the service. The semester concludes with a 12-lesson experiential exercise simulating assignment as a new Lieutenant in a unit. To be taken concurrently with MIL412. Prerequisite: MIL416.

MIL 430 Military Justice and Leadership (1) DD. Study of the U.S. Army Military Justice System and examination of the working relationships between nurses, doctors, and administrative staffs at Army hospitals. Prerequisite: MIL420.

MIL 450 Independent Research/Project (1-5) DD. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisites: A minimum of 2.5 GPA and departmental approval.

Department of Nursing and Allied Health

Dr. Stephanie Corder, *Chairperson* corder@missouriwestern.edu 271-4415
<http://www.missouriwestern.edu/Nursing/>
<http://www.missouriwestern.edu/HIIM/>
<http://www.missouriwestern.edu/PTA>

A Bachelor of Science degree in Health Informatics and Information Management, a Bachelor of Science degree in Nursing and an Associate of Applied Science in Physical Therapist Assistant Program are offered through the Department of Nursing and Allied Health. Specific information about all of the degrees is found in this section.

BACHELOR OF SCIENCE - NURSING

The Department of Nursing and Allied Health offers a baccalaureate degree in Nursing that provides a foundation of knowledge and skills necessary to be eligible to apply to write the National Council Licensure Examination. Upon satisfactory completion of this examination, the candidate is licensed as a registered professional nurse (RN). The program is designed with a strong clinical emphasis, based upon the relationship among the concepts of nursing, person, health-illness, environment, nursing education, nursing research, and ethical concepts applied to nursing. Students gain both theoretical knowledge and practical experience in healthcare agencies to prepare them to respond to the challenge of providing quality nursing care to individuals and groups. Some clinical agencies may require criminal background checks and may refuse to allow a student to gain experience in a clinical agency in accordance with provisions of Missouri State Law. Students must achieve a minimum semester GPA of 2.5 in nursing courses. A minimum grade of C in each course in the major is required for progression in and completion of the nursing program. The program is fully approved by the Missouri State Board of Nursing and is accredited by the Commission on Collegiate Nursing Education.

Admission Requirements

Freshmen desiring to enter the 4-year BSN program should declare a pre-major in Nursing at the time of enrollment. Application to the Department of Nursing and Allied Health should be made one full semester prior to the anticipated beginning of nursing courses. A selection committee reviews all applicants and determines those who will be admitted. General admission to the College does not admit a student to the baccalaureate degree program in nursing. Admission is competitive. Applications must meet the following minimum requirements:

- The applicant must apply and be admitted to MWSU.
- The applicant must achieve a composite score of 20 on the American College Test (ACT) (1990 Edition). (If a student has a minimum of 30 college credits and meets other admission criteria, the ACT requirement may be waived.)
- The applicant must have a minimum overall GPA of 2.7.
- The applicant must have completed or be currently enrolled in all general studies and nursing support courses.
- High school seniors and MWSU freshman with outstanding academic records should contact the Department of Nursing and Allied Health for information about early acceptance in the nursing program.

All required general studies and support courses for the nursing major must be completed prior to beginning nursing courses. Students should work closely with their academic advisors to select appropriate courses. Taking and passing prerequisite courses does not assure acceptance into the BSN program. A completed application and current transcripts must be submitted to the Nursing Centralized Application Service (NursingCAS) by January 15 for a candidate to be considered for admission for fall and by July 31 for consideration for spring. Instructions for Nursing CAS can be found on Department of Nursing and Allied Health webpage.

Specific admission and retention requirements are available in the Department of Nursing and Allied Health.

A grade of “C” or better is required in all courses required in the Nursing major (includes all courses with an NUR prefix and the following support courses: BIO101, BIO250, BIO251, BIO375, CHE104, PSY101, PSY240, ALH352, PHL230, MAT112 OR MAT116.

Progression Requirements

Students admitted to the Nursing Program must achieve a minimum semester GPA of 2.5 in nursing courses. Students whose GPA falls below a 2.5 in any semester in the Nursing Program will be placed on nursing academic probation. Specific Nursing progression, probation, suspension, and dismissal policies are available in the Department of Nursing and Allied Health.

Eligibility for Nursing Licensure

Completion of the BSN program does not guarantee eligibility to write the licensure examination. Completion of the program guarantees eligibility to apply to the State Board of Nursing to write the national licensure examination (NCLEX-RN). A criminal background check is conducted by the Missouri State Board of Nursing before a decision is made regarding certificate of registration or authority; permit or license pursuant to section 335.011 to 335.066 for any one or any combination of causes stated in 335.066 subsection 2 of the State of Missouri Nursing Practice Act. Specific information may be obtained by contacting the Missouri State Board of Nursing.

Degree Requirements

A Bachelor of Science in Nursing requires completion of the following specific courses in addition to the general studies:

Requirements	Credits
NUR 312 Foundations of Standards-Based Nursing	6
NUR 314 Quantitative Analysis for the Health Professions	3
NUR 316 Health Promotion and Holistic Assessment	5
NUR 334 Pharmacology I	2
NUR 336 Pharmacology II	2
NUR 352 Acute and Chronic Health Alterations	10
NUR 395 Nursing Research in Practice	2
NUR 433 Health Alterations: Maternal/Child	7
NUR 435 Health Alterations: Psychiatric Disorders	3
NUR 437 Complex Health Alterations	5
NUR 453 Health Alterations in the Community	3
NUR 459 Research Application	1
NUR 474 Leadership and Management in Nursing	3
NUR 475 Senior Capstone Clinical	7
NUR 488 Senior Seminar	2
ALH 352 Applied Nutrition	2
BIO 101 Principles of Biology	5
BIO 250 Anatomy and Physiology	5
BIO 251 Medical and Public Health Microbiology	4
BIO 375 Pathophysiology	4

CHE	104	Fundamentals of Chemistry	5
PHL	230	Ethics	3
PSY	101	General Psychology	3
PSY	240	Life-Span Developmental Psychology	3
TOTAL			95

RN-BSN Students

RN's who graduate from an approved ADN, AAS-Nursing, or diploma program must meet the general admission requirements of MWSU and the admission requirements of the Department of Nursing and Allied Health and hold a valid RN license. Specific admission and retention requirements for all students are available in the Department of Nursing and Allied Health.

The admitted associate degree or diploma RN may earn up to 30 hours of program credit for the following courses:

NUR	312	Foundations of Standards-Based Nursing	
NUR	334	Pharmacology I	
NUR	336	Pharmacology II	
NUR	352	Acute and Chronic Health Alterations	
NUR	433	Health Alterations: Maternal/Child	
NUR	435	Health Alterations: Psychiatric Disorders	
NUR	437	Complex Health Alterations	
NUR	488	Nursing Senior Seminar	
SUBTOTAL			30

In addition to the transfer credits, the RN-BSN student must complete the following courses in addition to the general studies:

Required Core Courses:

BIO	250	Anatomy and Physiology	5
BIO	251	Medical and Public Health Microbiology	4
CHE	104	Fundamentals of Chemistry	5
PHL	230	Ethics	3
PSY	101	General Psychology	3
PSY	240	Life-Span Developmental Psychology	3
NUR	314	Quantitative analysis for Health Professions	3
NUR	384	Bridge to Baccalaureate Nursing	3
NUR	385	Health Promotion and Assessment for the RN-BSN Student	3
NUR	395	Nursing Research in Practice	2
NUR	453	Health Alterations in the Community	3
NUR	459	Research Application	1
NUR	474	Leadership and Management in Nursing	3
NUR	479	RN-BSN Capstone Clinical	7

Restricted Elective Courses (The student must take at least 6 credits from the following restricted electives)

ALH	352	Applied Nutrition	2
BIO	375	Pathophysiology	4
COM	412	Health Communication	3
HIF	300	Health Data Management	3
HIF	350	Quality Management	3
SUBTOTAL			54
TOTAL			84

BACHELOR OF SCIENCE

Health Informatics & Information Management

MWSU offers a one-year Certificate program in Health Information Technology (HIT), a B. S. degree in Health Informatics and Information Management, and a minor in Health Informatics and Information Management. Students finishing the A.A.S. degree in Health Information Technology (HIT) are eligible to take the Registered Health Information Technician certification exam because the HIT program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). The B. S. degree in Health Informatics and Information Management degree is pending accreditation review by CAHIIM. Once accredited, graduates will be eligible to take the Registered Health Information Administration exam.

The Certificate program will prepare the student for an entry-level position in the field of health information management with such employers as hospitals, nursing homes, doctors' offices, and insurance companies.

Health Informatics and Information Management prepares confident, innovative, and contributing professionals who can identify and use a variety of information resources and technologies and work throughout the healthcare industry in settings that span the continuum of care. The baccalaureate degree health informatics graduate serves as a pivotal team member in the planning, design, implementation, management, use and evaluation of electronic health records and other electronic information systems. Job responsibilities also include serving as brokers of information services. Among the information services provided are definition of requirements and design for clinical and administrative systems development, data administration, clinical data management, data privacy and security management, decision support and data analysis, management of information-intensive areas such as quality/performance improvement, case management and outcomes measurement as well as management of the health information management departmental services. Baccalaureate degree graduates may hold positions as compliance officer, data quality manager, data sets/nomenclature/classification standards manager, educator, healthcare consumer advocate, privacy/security officer, project manager, reimbursement or revenue cycle manager to name a few.

Students gain both theoretical knowledge, and practical experience in healthcare settings to prepare them to respond to the challenge of working in health informatics and health information management. Students should be aware that some courses involve professional practice experiences for a significant number of hours. Because these experiences are usually only available during typical working hours, working students must make arrangements to be absent from their work. Students work closely with their advisors since many of the courses have prerequisites and must be taken in sequence. Some professional management experience sites may require criminal background checks, current medical history, proof of liability insurance, and proof of negative TB tests. Students will be required to travel and may be required to temporarily relocate in order to complete the practical experience. Working students may have to make arrangements to be absent from their work in order to complete class requirements.

A grade of C or better in all of the major courses and an overall GPA of at least 2.5 is required for graduation for either the Certificate or the Bachelor of Science Degree.

Students wishing to complete only the certificate can complete the requirements on a part-time basis over a two-year period. Part or all of the program may be offered online. Check with the department for further information.

Classes are offered in a variety of settings, including web-based learning management system, face to face, and a hybrid method.

Degree Requirements

A certificate in Health Information Technology requires completion of the following specific courses for a total of 34 credits:

Requirements			<i>Credits</i>
HIF	300	Health Data Management	3
HIT	132	Pharmacology	2
HIT	275	Coding and Classification Systems I	3
HIT	276	Coding and Classification Systems I Lab	1
HIT	277	Coding and Classification Systems II	3
HIT	278	Coding and Classification Systems II Lab	1
HIT	279	Reimbursement Systems	2
ALH	106	Medical Terminology	2
BIO	101	Principles of Biology	4
BIO	250	Anatomy and Physiology	5
BIO	375	Pathophysiology	4
CSC	201	Microcomputer Applications	3
TOTAL			33

Admission to the Program

Students desiring to obtain a B.S. degree in Health Informatics and Information Management should declare their interest to the Program Coordinator. Based on approval from the Program Coordinator, students who have completed health informatics, health information management, or health information technology coursework with a grade of C or better and an overall GPA of at least 2.5 from a CAHIIM accredited associate's program may receive transfer credit.

Degree Requirements

A Bachelor of Science in Health Informatics and Information Management requires completion of certain Health Information Technology courses in addition to the general studies:

Requirements			<i>Credits</i>
HIT	132	Pharmacology	2
HIT	200	Health Care Delivery Systems	3
HIT	279	Reimbursement Systems	2
HIF	300	Healthcare Management	3
HIF	310	Clinical Classification and Basic Statistics	3
HIF	320	Information Technology and Systems	3
HIF	330	Legal and Ethical Aspects of Healthcare	2
HIF	350	Quality Management	3
HIF	371	Professional Management Experience I	2
HIF	410	Human Resources and Operations Management	3
HIF	420	Clinical Data Management	3
HIF	430	Applied Health Informatics	3
HIF	440	Financial and Resource Management	3
HIF	460	Applied Research	3
HIF	465	Professional Management Experience II	3
HIF	470	Health Informatics Senior Seminar	2
ACC	201	Introduction to Financial Accounting	3
ACT	301	Applied Database Systems	3
ALH	106	Medical Terminology	2
BIO	101	Principles of Biology	4
BIO	250	Anatomy and Physiology	5
BIO	375	Pathophysiology	4
CSC	201	Microcomputer Applications	3
MGT	350	Management of Organizations	3
NUR	314	Quantitative Analysis for Health Care Research	3
TOTAL			73

Degree Requirements

A minor in health informatics and information management utilizes existing courses in computer science and health informatics to create a foundational knowledge base to prepare graduates capable of functioning in a technologically advanced and changing healthcare work environment. This minor supports baccalaureate degrees in nursing, computer science, and business.

Requirements

HIT	200	Health Care Delivery Systems (3)	OR	6
NUR	312	Foundations of Nursing		3
NUR	314	Quantitative Analysis		3
CSC	201	Microcomputer Applications		3
ACT	301	Applied Database Systems		3
HIF	320	Information Technology Systems		3
HIF	430	Applied Health Informatics		3
HIF	460	Applied Research		3
TOTAL				21-24

ASSOCIATE OF APPLIED SCIENCE DEGREE

Physical Therapist Assistant

The physical therapist assistant carries out patient rehabilitation under the supervision of a physical therapist. PTAs work with neurologic and orthopedic dysfunctions, pediatric and geriatric rehabilitation, wounds and burns, sports injuries, and more.

The PTA program includes didactic and laboratory preparation, extended opportunity to practice and apply learned skills in affiliated clinical settings, and education necessary for graduates to sit for required state licensing examinations and to function competently as entry-level practitioners.

Four semesters and two summer sessions comprise the program. Upon graduation, students receive the Associate of Applied Science degree. PTA students are encouraged to consider the advantages of obtaining a bachelor's degree from Missouri Western.

Admission to the program is limited and must be made independently to the university and to the PTA program. Admission to the university does not guarantee admission to the program. Selection is competitive and is based on applicants' grades, ACT (SAT) scores, completion of the Missouri high school core program or equivalent, science and math preparation, letters of recommendation, personal essays, and observation of physical therapy in practice.

One class is admitted each year in the fall semester. Applications are available online at www.missouriwestern.edu/pta with the application deadline of March 31st.

Specific requirements for the Associate of Applied Science Degree with a major in Physical Therapist Assistant are listed below. A minimum grade of C in each of these courses is required for graduation from the Physical Therapist Assistant program.

Requirements:

			<i>Credits</i>
PTA	100	Introduction to Physical Therapy	1
PTA	110	Patient Care Skills	3
PTA	120	Modalities	3
PTA	130	Functional Anatomy	2
PTA	140	Measurements and Procedures	3
PTA	160	Clinical Kinesiology	2
PTA	165	Therapeutic Exercise	2

PTA	185	Clinical Education I	3
PTA	255	Clinical Orthopedics	3
PTA	260	Clinical Neurology	4
PTA	265	Diseases and Dysfunctions	3
PTA	270	Psychosocial Aspects of Physical Therapy	1
PTA	280	Clinical Rehabilitation	3
PTA	285	Clinical Education II	5
PTA	290	Clinical Education III	5
PTA	295	Clinical Seminar	1
BIO	101	Principles of Biology	4
BIO	250	Anatomy and Physiology	5
PSY	101	General Psychology	3
		TOTAL	<hr style="width: 100px; margin-left: auto; margin-right: 0;"/> 57

(The above is expanded upon in the Physical Therapist Assistant handbook that has been developed for use by students.)

MINORS

Gender and Power Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Childhood Studies

Refer to the Interdepartmental Studies catalog section for specific requirements.

Semester Designation

F -- the course is offered in the fall semester

Sp -- the course is offered in the spring semester

Su -- the course is offered in the summer semester

DD -- the course is offered at the discretion of the department

NURSING COURSES

Waiving of any course prerequisites requires prior departmental authorization.

NUR 283 Introduction to Research Methods in Nursing (1-2) DD. Introduction to basic research in nursing. Individual and team projects involving methods for solving nursing-related research problems. Prerequisite: Departmental approval.

NUR 300 Strategies for Success in Nursing (1) F, Sp. An elective course focusing on strategies for success in the Nursing Program including time management, critical thinking, strategic studying and test-taking tips, and selected content areas requiring more focused review and practice. Prerequisite: Admission to Nursing Program.

NUR 312 Foundations of Standards-Based Nursing (6) F, Sp. Concepts and theories for standards-based, holistic nursing practice. Application of basic skills and technologies for health promotion and disease prevention through the lifespan in a variety of settings. Four credit hours lecture, 90 clinical practicum hours. Prerequisite: Admission to Nursing Program. Registration in this course will be held until all clinical compliance requirements are submitted and verified.

NUR 314 Quantitative Analysis for Health Care Research (3) F, Sp. Fundamentals of statistics with a practical application to evidence based practice in health care. Emphasizes understanding and practical application of descriptive and inferential statistical procedures with a major concentration on the correct use of statistics, statistical assumptions, and interpretation of statistical results. Statistical software is used to assist in the analysis. Prerequisites: Admission to Nursing Program and a grade of C or better in MAT110, MAT112, or MAT116.

NUR 316 Health Promotion and Holistic Assessment (5) F, Sp. Standards-based holistic assessment across the lifespan including risk identification, health promotion and illness prevention. Application of nursing process in a variety of health care environments. Three credit hours lecture, 90 clinical practicum hours. Prerequisite: Admission to Nursing Program. Registration in this course will be held until all clinical compliance requirements are submitted and verified.

NUR 334 Pharmacology I (2) F, Sp. An introduction to basic pharmacological principles and skills for safe and effective standards based nursing practice. Prerequisite: Admission to Nursing Program.

NUR 336 Pharmacology II (2) F, Sp. Builds on the foundation of Pharmacology I and emphasizes a comprehensive examination of pharmacotherapeutics and related nursing implications. Prerequisites: A grade of C or better in NUR312, NUR314, NUR316, and NUR334.

NUR 352 Acute and Chronic Health Alterations (10) F, Sp. Examination of Health Alterations with application of nursing process to provide standards-based holistic care for individuals in acute and chronic health care environments. Six credit hours lecture, 180 clinical practicum hours. Prerequisites: A grade of C or better in NUR312, NUR314, NUR316, and NUR334.

NUR 384 Bridge to Baccalaureate Nursing (3) F. This course examines professional nursing within the health care delivery system, incorporating the conceptual framework of the Nursing Department at Missouri Western State University (MWSU). The course includes examination of the historical development and theoretical basis of the practice of professional nursing. The course also explores standards-based practice and the role of the baccalaureate nurse. Prerequisites: Admission to the MWSU Department of Nursing RN to BSN program.

NUR 385 Health Promotion and Assessment for the RN-BSN Student (3) F. In-depth study of the nursing process with emphasis on the assessment phase for persons in varied health care settings and of all age groups. A systems approach to health examination is presented. Students will learn and demonstrate holistic assessment skills. Two hours of class, two hours of lab practice each week. Prerequisite: Credit or concurrent enrollment in NUR384.

NUR 395 Nursing Research in Practice (2) F, Sp. An introduction to evidence-based practice for the professional nurse. This course focuses on the utilization of research in standards-based nursing practice. Prerequisites: A grade of C or better in NUR312, NUR314, NUR316, and NUR334, or NUR384 and NUR385.

NUR 433 Health Alterations: Maternal/Child (7) F, Sp. Standards-based holistic care of pregnant women; newborns, infants, children and adolescents with acute or chronic alterations in health. Five credit hour lecture, 90 clinical practicum hours. Prerequisites: A grade of C or better in NUR336, NUR352, and NUR395.

NUR 435 Health Alterations: Psychiatric Disorders (3) F, Sp. Standards-based holistic care of individuals with acute or chronic psychiatric disorders. Two credit hour lecture, 45 clinical practicum hours. Prerequisites: A grade of C or better in NUR336, NUR352, and NUR395.

NUR 437 Complex Health Alterations (5) F, Sp. Standards-based holistic care for individuals and families experiencing complex health alterations. Uses and effects of advanced health care technology and special environments for care are emphasized. Three credit hours lecture, 90 clinical practicum hours. Prerequisites: A grade of C or better in NUR336, NUR352, and NUR395.

NUR 450 Independent Research/Project (1-3) F, Sp. Investigation of a research problem, project, or topic on an individual conference basis. Prerequisite: Completion of the major-minor declaration in nursing, a minimum of a 2.5 GPA in the major field, and department approval.

NUR 453 Health Alterations in the Community (3) F, Sp. Exploration and application of standards-based practice within community settings across the lifespan with a focus on the nurse as designer, manager, and coordinator of care. Prerequisites: A grade of C or better in NUR433, NUR435, NUR437 or NUR384 and NUR385.

NUR 457 Professional Development in Nursing (1) F, Sp. An investigation of licensure requirements, career opportunities and issues in professional nursing. Prerequisites: NUR433, NUR435, NUR437, and NUR459.

NUR 459 Research Application (1) F, Sp. Requires the application of systematic inquiry through the investigation of a problem or topic in nursing practice. Prerequisites: Credit or concurrent enrollment in NUR395.

NUR 474 Nursing Leadership and Management (3) F, Sp. Exploration and application of standards-based practice with a focus on the nurse as designer, manager, and coordinator of care. Role transition from student to professional nurse is emphasized. Prerequisites: A grade of C or better in NUR433, NUR435, NUR437, NUR459 or NUR384 and NUR385.

NUR 475 Senior Capstone Clinical (7) F, Sp. Precepted clinical practicum in a variety of practice environments. Focus is on the nurse's role including designer, manager, and coordinator of care in acute-care and community-based settings. Includes application of standards-based practice and role transition with 280 clinical practicum hours. Prerequisites: A grade of C or better in NUR433, NUR435, NUR437, NUR459 or NUR384 and NUR385.

NUR 479 RN-BSN Capstone Clinical (3-7) F, Sp. Precepted clinical practicum in a variety of practice environments. Focus is on the nurse's role including designer, manager, and coordinator of care in leadership/management and community-based settings. Includes application of Standards-Based Practice with 280 practicum hours. May be repeated for credit up to 7 hours. Prerequisite: NUR 384 and NUR 385.

NUR 488 Nursing Senior Seminar (2) F, Sp. Investigation of RN licensure requirements, preparation, and strategies for success on the NCLEX-RN examination. Prerequisite: Senior status.

NUR 492 Selected Topics in Nursing (1-3) F, Sp, Su. A selected group of electives that pertain to the student's special interests. Credit and time arranged. May be repeated for credit up to 8 hours. Prerequisite: Junior status.

NUR 493 Intraoperative Nursing (3) DD. An elective course focusing on role of the nurse in the operating room and the required practice competencies to support patient care in the intraoperative setting. A minimum of seventy-two hours of precepted clinical practice in the operating room is required. Prerequisites: NUR352 or RN license.

NUR 494 Critical Care Nursing (5) DD. An elective course consisting of 60 hours of classroom instruction followed by 120 hours of precepted clinical learning experience in a Critical Care Unit. Based on the American Association of Critical Care Nurses core curriculum, the course focuses on standards-based care and the role of the nurse in critical care. Prerequisites: NUR336, NUR352, and NUR395, or RN license.

ALLIED HEALTH COURSES

ALH 106 Medical Terminology (2) F, Sp, Su. Medical terms with reference to human anatomy and disease processes for the paramedical professions.

ALH 352 Applied Nutrition (2) F, Sp. Principles of normal nutrition through the life cycle and the role of nutrition in health are considered. Nutrition therapy and its role in the prevention and management of disease are also examined. Prerequisite: BIO250.

ALH 365 Special Needs of the Elderly (3) F (odd-numbered years). An overview of the special needs of the elderly population. Includes present concerns as well as identifying methods of improving life for the elderly in the future.

HEALTH INFORMATION TECHNOLOGY COURSES

HIT 132 Pharmacology (2) Sp. An introductory course with emphasis on classes of drugs and their primary use. Course work will include indications for the medications, dose and route of delivery of the most frequently prescribed medications in various health care settings. Prerequisites: ALH106 and BIO250.

HIT 200 Health Care Delivery System (3) F. Study of the components of the health care delivery system; roles and functions of the hospital's organizational components: the governing board, the administration and the medical staff in various hospital departments. Investigation of the procedures used by the organizations which regulate and accredit hospitals, e.g., The Joint Commission.

HIT 275 Coding and Classification Systems I (3) F. Introduction to medical nomenclature and classification systems, official coding guidelines, data quality, case mix, analysis and ICD-10-CM and ICD-10-PCS using manual as well as automated encoders. To be taken concurrently with HIT276. Prerequisites: ALH106, BIO250, and HIT132 and credit or concurrent enrollment in BIO375.

HIT 276 Coding and Classification Systems I Lab (1) F. Laboratory for application of coding practices learned in HIT275. To be taken concurrently with HIT275.

HIT 277 Coding and Classification Systems II (3) Sp. Study and application of CPT and HCPCS coding principles using manual and automated encoders. Diagnosis related groups, ambulatory payment classifications, case mix, and data quality will be integrated throughout the course work. To be taken concurrently with HIT278. Prerequisites: HIT275 and HIT276.

HIT 278 Coding and Classification Systems II Lab (1) Sp. Provides a laboratory setting for the application of coding practices learned in HIT277. To be taken concurrently with HIT277. Prerequisites: HIT275 and HIT276.

HIT 279 Reimbursement Systems (2) Sp. Provide instruction in and the application of knowledge to commercial, managed care, and federal insurance plans; payment methodologies and systems; billing processes and procedures; chargemaster maintenance; regulatory guidelines; reimbursement monitoring and reporting; and compliance strategies and reporting.

HEALTH INFORMATICS COURSES

HIF 300 Health Data Management(3) F. Focuses on the study of the origin, content, and format of healthcare records across the continuum of healthcare in both traditional and nontraditional settings, including paper, hybrid, and electronic health records and the standards that govern the development of records. Other topics include accreditation and regulatory requirements, methods to assess and retrieve health data and patient records, registries, structure and content standards pertaining to healthcare data sets and data sources, record analysis, and storage and retention. Prerequisites: HIT200.

HIF 310 Clinical Classification Systems and Basic Statistics (3) F. Introduction to classification systems, taxonomies, terminologies and the coding of data by manual or the use of encoders. The students will be exposed to ICD-9-CM and CPT /HCPCS, but ICD-10-CM and ICD-10-PCS will be emphasized. Principles of data collection, preparation, analysis and interpretation of healthcare statistics, including calculations related to managing Health Information Departments will be taught along with statistics used in quality management activities and organizational assessment, vital statistics, and computerized statistical packages. Prerequisites: HIT132, HIT200, and BIO375.

HIF 320 Information Technology and Systems (3) Sp. Focuses on a study of computer concepts and applications in the management of health information systems. The class emphasizes the role of the health information manager in data storage and retrieval; database querying and data mining techniques; and design and generation of administrative reports using appropriate software. Data security, design of audit trails, participation in risk assessment, contingency planning, data recovery procedures, local and wide area network data definitions, data administration, database structure, data dictionaries, data modeling, and database administration are covered. Also studied are work simplification, system analysis and functional standards. Prerequisites: HIF300 and ACT301.

HIF 330 Legal and Ethical Aspects of Healthcare Management (2) F. Content includes the study of the legal and ethical issues involved in the management and delivery of healthcare services and inter-relationships between institution, physicians, and patients. Topics include release of information, quality documentation, retention of records, HIPAA privacy and confidentiality, ethical standards of practice, fraud and abuse, risk management, contracts, consents, and other current medico/legal issues. Prerequisites: HIT200 and HIF300.

HIF 350 Quality Management (3) Sp. Focuses on the study of history, organization and coordination of facility-wide management and performance improvement processes that involve team and process thinking; outcomes measurement; review of utilization of healthcare and other cost-containment programs; risk management and the application of evaluation techniques. Prerequisites: HIF310 and HIF330.

HIF 371 Professional Management Experience I (2) Sp. Focuses on assignments to promote competency levels required of entry-level health information management professionals and to integrate basic knowledge and to begin the transition required to function as a manager. Many assignments will be completed in a lab setting utilizing records, encoders, and software necessary for practical applications of management skills. Prerequisites: HIF310, and HIF330, can be taken concurrently with HIF320 and HIF350.

HIF 410 Human Resources and Operations Management (3) F. Focuses on human resources management practices and strategic leadership management. Topics include staffing, employee development, training, benefits, employer relations, recruitment, work measurement, change management, project management, and human factors. Prerequisites: MGT305.

HIF 420 Clinical Data Management (3) F. Focuses on the management of classification systems used in collecting, maintaining and retrieving specified clinical data in a variety of healthcare settings; implementing and managing applications and processes for clinical classification, nomenclatures, chargemaster and claims management; validating coding and managing the processes for compliance and reporting; and managing the use of clinical data required in reimbursement systems. Prerequisite: HIT279, HIF300 and HIF310.

HIF 430 Applied Health Informatics (3) F. Focuses on various clinical, administrative, and specialty systems applications, such as administrative, clinical decision support systems, electronic health record and computer-based health record systems, nursing, ancillary service systems, patient numbering systems at master and enterprise levels. Apply systems development and systems life cycle concepts to the selection of healthcare information systems. Prerequisite: HIF320.

HIF 440 Financial and Resource Management (3) Sp. Builds on the study of healthcare organizations and their management. Topics include problem solving and decision making, establishing performance and production monitors, knowledge of financial management concepts and accounting principles essential for managing health information management departments, operations, and cost-benefit analysis for resource needs. Course also includes the reimbursement cycle from patient registration to claims billing with an emphasis on federal regulations and the role of HIM regarding payment systems. Prerequisites: ACC201, HIF410 and HIF420.

HIF 460 Applied Research (3) Sp. Focuses on applied research in health care services, health informatics, or health information management. Topics include research design, research methods, evaluation and outcomes research, research process, data analysis, and ethical issues in research. Students will analyze published research projects, prepare a research study proposal, and conduct an applied research study. Prerequisites: HIF310 and NUR314.

HIF 465 Professional Management Experience II (3) Sp. During this supervised professional management experience, students will perform management-level activities at an approved health related facility. The management activities are designed to prepare the student for entry-level management roles in health information management settings. Virtual laboratory and other activities simulating work performed in health-related facilities will also be used in this professional management experience class. Prerequisite: Senior standing.

HIF 470 Health Informatics Senior Seminar (2) Sp. Course is a student-centered experience where students present and discuss their professional management experience; develop an analysis of their employment readiness; explore employment opportunities and career preparation, and complete a comprehensive exam. Prerequisite: Senior standing.

PHYSICAL THERAPIST ASSISTANT COURSES

Waiving of any course prerequisites requires prior departmental authorization.

PTA 100 Introduction to Physical Therapy (1) F, Su. Introduction to physical therapy and to the role of the physical therapist assistant, including function of the PTA and of the health care team, history of medical care and physical therapy, legal and ethical standards, cultural sensitive care and communication.

PTA 110 Patient Care Skills (3) F. Introduction to basic clinical skills, progressing from bedside management to community mobility. Includes vital signs, aseptic technique, patient transfers and gait training. Health and safety issues, including universal (standard) precautions, electrical and hospital safety, and emergency and first aid procedures. Introduction to documentation. To be taken concurrently with PTA120 and PTA130. Prerequisite: Admission into the PTA program.

PTA 120 Modalities (3) F. Clinical modality interventions, including thermal modalities, electrical modalities, hydrotherapy and compressive modalities. Soft tissue interventions for patients with edema, wounds, burns, and vascular pathologies. To be taken concurrently with PTA110 and PTA130. Prerequisite: Admission into the PTA program.

PTA 130 Functional Anatomy (2) F. Introduction to the principles of physics as they relate to movement, including levers and force vectors. Surface anatomy, introduction to musculoskeletal structure and function. Introduction to medical terminology. To be taken concurrently with PTA110 and PTA120. Prerequisite: Admission into the PTA program.

PTA 140 Measurements and Procedures (3) Sp. Methods of data collection including joint range of motion (goniometry), manual muscle testing, anthropometric measurement, and gait analysis. Review and continuation of physical therapy documentation. To be taken concurrently with PTA160 and PTA165. Prerequisite: a grade of C or better in PTA100, PTA110, PTA120 and PTA130.

PTA 160 Clinical Kinesiology (2) Sp. The study of the muscular forces acting on anatomical structures to create movement, including normal and pathological biomechanics. To be taken concurrently with PTA140 and PTA165. Prerequisite: a grade of C or better in PTA100, PTA110, PTA120 and PTA130.

PTA 165 Therapeutic Exercise (2) Sp. Study of the physiological effect of basic and advanced exercises commonly used in physical therapy, including ROM and stretching, strengthening, aerobic exercise, balance and coordination exercises, proprioceptive exercise, endurance training and aquatic exercise. Common therapeutic exercise protocols used in physical therapy will be presented. Concepts include exercise progression and documentation of exercise as a therapeutic intervention. To be taken concurrently with PTA140 and PTA160. Prerequisite: a grade of C or better in PTA100, PTA110, PTA120, and PTA130.

PTA 185 Clinical Education I (3) Su. First of three practicums in a physical therapy setting. Areas of emphasis include PTA relationships with patients and staff, clinic organization, beginning awareness of patient disorders, initial application of physical therapy techniques, and introduction to documentation. Three weeks of full-time supervised clinical practice. Prerequisite: a grade of C or better in PTA140, PTA160, and PTA165.

PTA 255 Clinical Orthopedics (3) F. Description, causes, symptoms, tests and physical therapy intervention in orthopedic pathology. The musculoskeletal system and normal biomechanics are reviewed. To be taken concurrently with PTA260. Prerequisite: a grade of C or better in PTA185.

PTA 260 Clinical Neurology (4) F. Neuroanatomy and how damage to this body system is managed by physical therapy intervention. To be taken concurrently with PTA255. Prerequisite: a grade of C or better in PTA185.

PTA 265 Diseases and Dysfunctions (3) Sp. Diseases and dysfunction encountered in physical therapy across the lifespan, including disorders of the musculoskeletal, cardiovascular, pulmonary, genitourinary, and endocrine systems. Includes pregnancy, arthritis and cancerous conditions. To be taken concurrently with PTA270 and PTA280. Prerequisite: a grade of C or better in PTA255 and PTA260.

PTA 270 Psychosocial Aspects of Physical Therapy (1) Sp. Psychosocial issues in health care as related to physical therapy. To be taken concurrently with PTA265 and PTA280. Prerequisite: a grade of C or better in PTA255 and PTA260.

PTA 280 Clinical Rehabilitation (3) Sp. Physical therapy rehabilitation principles for patients following amputation, total joint surgery, fractures, and spinal cord injury. Proprioceptive neuromuscular facilitation in rehabilitation. Physical therapy interventions with chronic illness, the elderly, and dying patients. To be taken concurrently with PTA265 and PTA270. Prerequisite: a grade of C or better in PTA255 and PTA260.

PTA 285 Clinical Education II (5) Sp. Second of three clinical practicums. Application of physical therapy procedures, appropriate professional behavior and communication. Participation in physical therapy clinic activities in addition to patient care. Six weeks of full-time supervised clinical practice. Taken following the successful completion, with a grade of C or better, of PTA265, PTA270 and PTA280.

PTA 290 Clinical Education III (5) Su. Third of three clinical practicums. Physical therapy principles and practice with emphasis on achievement of integration, application, communication, and participation at levels consistent with an entry-level PTA practitioner. Six weeks of full-time supervised clinical practice. Prerequisite: a grade of C or better in PTA265, PTA270 and PTA280.

PTA 295 Clinical Seminar (1) Su. Review and evaluation of clinical affiliation experiences, board exam preparation, resume writing and interview skills. Prerequisite: a grade of C or better in PTA265, PTA270, and PTA280.

Interdisciplinary Studies

BACHELOR DEGREES

BACHELOR OF GENERAL STUDIES (BGS)

www.missouriwestern.edu/completion/bgs.asp

The Bachelor of General Studies (BGS) degree is an undergraduate degree specifically for adult learners who have delayed or interrupted their studies, or for whom their original major is no longer appropriate. Thus, a student is required to have at least 75 earned credit hours with a cumulative GPA of 2.0 or higher and completed general studies math and English composition before a BGS major can be declared.

The BGS degree is designed to be multidisciplinary and have maximum flexibility to suit the needs of the widest variety of students. It builds a custom concentration out of two minors, rather than a single content focus, while meeting all bachelor's degree requirements.

Degree Requirements:

Students receiving the BGS degree are subject to the following degree requirements:

- Completion of a minimum of 124 credits, including 45 from a senior college (100 level and above)
- Completion of a minimum of 30 credits in upper level coursework with at least 15 credits earned at Missouri Western
- Earn 30 of the last 45 credit hours at Missouri Western
- Participation in departmental and campus wide assessment efforts
- Earn an overall GPA of at least a 2.0 and a GPA of at least 2.0 in each concentration

Concentration Areas:

The BGS degree consists of two concentrations:

- The first concentration must be an existing MWSU minor.
- The second concentration must be either an existing MWSU minor or a custom concentration modeled after a major or minor degree program at a regionally accredited institution.
- The second concentration must contain a minimum of 18 hours of courses that do not duplicate courses in the first concentration.
- One of the concentrations must have a credit bearing applied learning component.
- A minimum 2.0 GPA is required in each concentration and no more than 2 D's are allowed in both concentrations combined.

Custom concentrations:

- Must contain a minimum of 9 hours 300 level or above.
- Students should work closely with a faculty advisor in ensuring that a custom concentration represents a coherent curriculum.
- Custom concentrations require the approval of the area dean, and the curriculum must be detailed on the BGS Custom Concentration Form and submitted with the Major Declaration Form.

BACHELOR OF SCIENCE IN TECHNOLOGY (BST)

The Bachelor of Science in Technology "Two Plus Two" degree is designed for the student who has completed a career-oriented associate degree program (AAS or AS) and desires the bachelor's degree with an additional concentration in an approved area of study.

1. The student must earn an AAS or AS degree;
2. The student must complete the general studies requirements for bachelor of science program;
3. The student must earn a minimum of 30 upper division credit hours;
4. The student must earn a minimum of 30 credit hours (of which at least 18 must be upper division) in an approved area of concentration outside of the field of the associate degree. The courses in the area of concentration must be approved by the primary department of the area and by the dean of the college in which the area of concentration is earned;
5. The student must earn a minimum GPA of 2.3 in the area of concentration.

Visit the Western Institute in Spratt 105 or call 271-4109 for program details.

BACHELOR OF INTERDISCIPLINARY STUDIES (BIS)

The Bachelor of Interdisciplinary Studies (BIS) degree focuses on the development of broad intellectual abilities and skills rather than a large concentration within a traditional academic discipline. This degree option may be of special interest to: (1) students seeking a degree tailored to specific interests not accommodated in an established MWSU major; (2) students who plan, upon graduation, to enter graduate or professional school; and (3) students transferring into MWSU with an AS or AAS degree.

Specific degree requirements include: (1) a minimum of 45 credit hours of upper division (300- and 400-level) courses; (2) a minimum of 24 credit hours (12 upper division) in a single discipline, including at least one course which gives an in-depth study of the methods of investigation for that discipline*; (3) a minimum of 12 credit hours (9 upper division) from a second discipline, or 12 credit hours in one foreign language; and, (4) at least one course from each of the seven areas listed below. No more than two courses designated to satisfy the seven area course requirements may be used in the 24- or 12-credit concentrations. A minimum of 124 credit hours is required for receipt of a baccalaureate degree from Missouri Western State University.

Students who choose this degree option will work with three faculty members to determine the courses that will constitute their BIS-degree programs. This three-person faculty committee will be selected by the chairperson of the department with the 24-credit concentration in consultation with the student. The committee must include: (1) one representative from the department with the 24-credit concentration; (2) one representative from the department with the 12-credit concentration; and (3) one other faculty member. The faculty member from the department of the 24-credit concentration will serve as the chairperson of the committee, will be responsible for scheduling necessary meetings, and will submit the BIS-degree proposal to the college dean. BIS-degree program proposals must be submitted to the college dean responsible for the department offering the 24-credit concentration. Submission deadlines are: the first Friday in October, the last class day of the Fall Semester, the Friday before Spring break, and the last class day of the Spring Semester. Prior to receiving final approval by the college dean, a committee composed of the Dean of the Liberal Arts and Sciences, the Dean of Professional Studies, and a total of four faculty, with at least two representatives from each college, will review and approve all proposed degree programs. Notice of program acceptance will be returned within three weeks of the submission deadline, prior to the next scheduled pre-registration or regular registration session.

Area One - Writing

- COM 345 Nonverbal Communication (3)
- ENG 301 Advanced Composition (3)
- ENG 385 Creative Writing: Prose (3)
- ENG 386 Creative Writing: Poetry (3)
- ETC 324 Electronic and Online Communication (3)
- Or a course officially designated as Writing Intensive

Area Two - Analytical and Critical Thinking

- COM 334 Argumentation and Debate (3)
- ENG 232 Language Awareness (3)
- PHL 219 Logic (3)
- PHL 303 Ancient Philosophy (3)
- PHL 304 Modern Philosophy (3)
- BIO/CHE/PHL 308 History and Philosophy of the Natural Sciences (3)

Area Three - Computer Literacy and Technological Innovation

- EPR 326 Desktop Publishing (3)
- BIO/ENG/HUM/PSC/PSY 314 Technology and Society (3)
- MUS 210 Introduction to Computer Music Applications (1) and
- MUS 410 Topics in Computer Music Applications (2)
- Or a course officially designated as Computer Intensive

Area Four - Appreciation and Tolerance for Diversity

- ENG 320 Literature of Gender and Ethnicity (3)
- ENG 355 Literature in English: 1860-1914 (3)
- ENG 356 Literature in English: 1914-1945 (3)
- ENG 357 Literature in English: 1945-Present (3)
- HIS 370 History of Latin America (3)
- PSC 200 International Politics (3)
- PSY 260 Cross-Cultural Psychology (3)
- SOC 400 Racial and Ethnic Relations (3)

Area Five - Ethical and Moral Issues

- BIO 305 Human Ecology (3)
- COM 304 Media and Society (3)
- COM 314 Persuasion (3)
- ENG 321 Literature and Religion (3)
- ENG 410 Selected Studies in Literary Genre (3)
- ENG 430 Selected Studies in Literary Theme (3)
- ENG 460 Selected Studies in Literary Period or Movement (3)
- ENG 480 Selected Studies in Literary Authority (3)
- JOU 303 Media Law and Ethics (3)
- PSC 310 Political Theory (3)
- PHL 330 Topics in Ethical Theory (3)

Area Six - Aesthetic Appreciation

- ENG/THR 341 Shakespeare (3)
- PHL 335 Aesthetics and the Arts (3)
- THR 367 History of the Theatre (3)
- 3 credits of Applied Music or Music Ensemble
(all three credits must be with one instrument or the same ensemble)

Area Seven - Personal Growth and Welfare

- ALH 352 Applied Nutrition (2)
- COM 305 Interpersonal Communication (3)
- COM 324 Small Group Communication (3)
- FIN 310 Investments (3)

- PSY 210 Mental Hygiene (3)
- SOC 360 Sociology of Health and Illness (3)

*Students may substitute an AS, or AAS degree, for the 24 credit concentration. Students using this option must consult with the appropriate academic Dean for developing the BIS-degree program.

MAJORS

INTERNATIONAL STUDIES

B.A. Degree in International Studies – Admission to the Major

Students desiring this major should declare their interest to the chairperson of one of the following departments: Department of History and Geography; Department of English & Modern Languages; or Department of Philosophy and Religion. At that point each individual student will be assigned a faculty advisor in one of those departments. Applicants should have a minimum GPA of 2.0 to declare this major.

Degree Requirements

All International Studies students are required to take a total of 36 credits that must include the following: 9 credits from a common core of courses in geography, history or humanities, and political science; 9 credits of upper-level course work in a single foreign language; 12 credits in one focus area in either arts and letters, social sciences, or business; and 6 credits of electives selected from any IS-designated courses listed below. The B.A. requires at least 12 credits in a single foreign language.

Core Courses	<i>Credits</i>
GEO 100 World Geography	3
HIS 120 Modern World History	OR
HIS 230 Modern Europe: 1789 to the Present	OR
HUM 205 Humanities: American Revolution to the Present	3
PSC 200 International Politics	OR
PSC 210 Comparative Political Systems	3
9 credits of upper-level courses in a single Foreign Language	9
SUBTOTAL	18

Students cannot double count core courses in focus areas or as electives in the major.

Focus area	<i>Credits</i>
<i>Arts and Letters option*</i>	
12 credit hours of upper-level course work selected from any IS-designated ART, ENG, HIS, HUM, MUS, PHL, or REL courses	
<i>Social Sciences option*</i>	
12 credit hours of upper-level course work selected from any IS-designated COM, ECO, GEO, PSC, PSY, or SOC courses	
<i>Business option*</i>	
12 credit hours of upper-level course work selected from any IS-designated ECO, FIN, GBA, MGT, or MKT courses	
SUBTOTAL	12

* To satisfy the Focus area requirement in these two options, students must complete 9 hours of course work in a single prefix-designated area of study and 3 hours of course work in any other area of study included within the Focus area.

Electives	<i>Credits</i>
6 additional credit hours selected from any IS-designated courses	6
SUBTOTAL	6
TOTAL	36

INTERNATIONAL STUDIES (IS) DESIGNATED COURSES

ART	ART450 (3)	ART456 (3)	ART457 (3)				
BUSINESS	FIN431 (3)	GBA370 (3)	MGT425 (3)	MKT451 (3)			
CINEMA	CIN170 (3)						
COMMUNICATIONS	COM338 (3)	COM342 (3)	COM450 (1-5)*				
ECONOMICS	ECO260 (3)	ECO261 (3)	ECO376 (3)	ECO450 (1-6)*	ECO461 (3)	ECO462 (3)	ECO463 (3)
ENGLISH	ENG354 (3)	ENG355 (3)	ENG356 (3)	ENG357 (3)	ENG450 (1-5)*		
FRENCH	FRE206 (1-4)	FRE207 (3)	FRE211 (3)	FRE302 (3)	FRE306 (1-4)	FRE307 (3)	FRE310 (3)
	FRE312 (3)	FRE316 (2-6)	FRE322 (3)	FRE340 (12-15)	FRE403 (3)	FRE422 (3)	FRE432 (3)
	FRE442 (3)	FRE450 (1-5)*	FRE452 (3)				
GEOGRAPHY	GEO100 (3)	GEO250 (4)	GEO320 (3)	GEO330 (3)	GEO340 (3)	GEO450 (1-4)*	
GERMAN	GER211 (3)	GER300 (3)	GER302 (3)	GER316 (2-6)	GER322 (3)	GER340 (12-15)	GER450 (1-5)*
HISTORY	HIS120 (3)	HIS230 (3)	HIS320 (3)	HIS336 (3)	HIS339 (3)	HIS340 (3)	HIS350 (3)
	HIS370 (3)	HIS380 (3)	HIS420 (3)	HIS450 (1-5)*			
HUMANITIES	HUM203 (3)	HUM204 (3)	HUM205 (3)	HUM360 (3)	HUM450 (1-3)*		
MUSIC	MUS310 (2)	MUS311 (2)	MUS450 (1-5)*				
PHILOSOPHY	PHL310 (3)	PHL312 (3)	PHL325 (3)	PHL450 (1-3)*			

POLITICAL SCIENCE	PSC200 (3)	PSC210 (3)	PSC310 (3)	PSC312 (3)	PSC340 (3)	PSC380 (3)	PSC390 (3)
	PSC400 (3)	PSC450 (1-5)*					
PSYCHOLOGY	PSY260 (3)	PSY450 (1-5)*	PSY460 (1-6)				
RELIGION	REL250 (3)	REL251 (3)	REL252 (3)	REL360 (3)	REL450 (1-3)*		
SOCIOLOGY	SOC315 (3)	SOC400 (3)	SOC450 (1-3)*				
SPANISH	SPA211 (3)	SPA248 (2)	SPA250 (3)	SPA302 (3)	SPA310 (3)	SPA312 (3)	SPA316 (2-6)
	SPA322 (3)	SPA332 (3)	SPA340 (12-15)	SPA348 (2)	SPA350 (3)	SPA422 (3)	SPA432 (3)
	SPA442 (3)	SPA450 (1-5)*	SPA452 (3)				

* 450 Independent Research/Project courses in each of the above disciplines may be acceptable either as focus courses or electives as long as they emphasize international issues.

MINORS

Childhood Studies

Missouri Western State University offers an interdisciplinary minor in childhood studies. This minor is intended for those students who have child-related emphases in their major disciplines, such as juvenile delinquency, child psychology, or pediatrics or for those who simply wish to learn more about the subject of childhood. The minor will also provide a foundation of study for those students who intend to go on to professional or graduate school in order to study in child-related areas. This minor does not provide students with certification to teach in the state of Missouri.

Students must successfully complete at least eighteen hours from the following list of classes. To insure that the minor is a truly interdisciplinary experience, at least three disciplines must be represented with no more than nine credit hours coming from any one discipline:

	<i>Credits</i>
EDU 315 Psychology and Education of the Exceptional Child (Declared childhood studies minors are exempt from EDU303 and EDU304 as prerequisites for this course.)	2
EDU 421 Family, Community and Schools-Partnering for Young Children (Declared childhood studies minors are exempt from EDU358 as a prerequisite for this course.)	3
EDU 420 Counseling Techniques/Parents	2
ENG 400 Literature for Adolescents	3
ENG 403 Literature for Children	3
LAT 370 Domestic Relations	3
LAW 110 Juvenile Delinquency	3
LAW 440 Juvenile Law and Procedures	3
NUR 433 Health Alterations: Maternal/Child	3
PED 392 Child Growth and Motor Development	3
PSY 240 Life-span Developmental Psychology	OR

PSY	319	Child / Adolescent Psychology (Prerequisite: PSY101. Declared childhood studies minors are exempt from PSY200 as a prerequisite for this course.)	3
PSY	470	Child Psychopathology and Exceptionalities (Prerequisite: PSY101 and either PSY240 or PSY319. Declared childhood studies minors are exempt from PSY200 as a prerequisite for this course.)	3
SOC	330	The Family	3
SWK	325	Family and Child Welfare	3
* Internship: Relevant field experience/practicum/internship through any academic department. May be repeated for credit.			1-3
* Relevant Special Topics Course offered through any academic department. May be repeated for credit.			1-3
* Relevant Independent Study arranged with any full-time faculty member. May be repeated for credit.			1-3

* Only three credit hours of any one internship (including student teaching), special topics course, or independent study may be applied to the minor.

Each student interested in this minor should discuss with his or her major academic advisor which courses best fit that student's discipline and concentration area as well as which general studies courses need to be chosen to satisfy prerequisites. Minor declaration forms shall be kept on file by the Director of Childhood Studies.

International Studies

The minor in International Studies is designed to give students exposure to international issues from different perspectives. With the growing globalization of business, governments, and recreation, it is almost certain that today's students will participate in international activities. This minor can help prepare them to maximize the benefit from those interactions. Students who take this minor must take 24 credits from the list below with at least 18 credits outside of their major department and no more than 18 credits from any one group.

Foreign Language Group			<i>Credits</i>
FRE or GER or SPA	100	Elementary French or German or Spanish I (3)	
FRE or GER or SPA	101	Elementary French or German or Spanish II (3)	
FRE or GER or SPA	200	Intermediate French or German or Spanish (3)	
FRE or GER or SPA	211	French or German or Spanish for the Professional (3)	
			0-12
Social Science Group			
GEO	320	Geography of Europe (3)	
GEO	330	Economic Geography (3)	
PSC	210	Comparative Political Systems (3)	
PSC	400	American Foreign Policy (3)	
HIS	320	English History since 1688 (3)	
HIS	340	Recent European History (3)	
HIS	370	History of Latin America (3)	
			0-18
Business Group			
ECO	461	International Trade (3)	
ECO	463	Comparative Economic Systems (3)	
FIN	431	International Financial Management (3)	
GBA	370	Global Viewpoint (3)	
GBA	371	Business Study/Travel Experience (1)	
MGT	425	International Management (3)	
MKT	451	International Marketing and Trade (3)	
			AND
			0-15
TOTAL			<u>24</u>

Peace & Conflict Studies

Students must complete at least 18 hours to be selected from the following categories. At least three disciplines must be represented with at least two courses outside of the student's major degree program. Course substitutions must be approved by the Director of Peace & Conflict Studies.

Core PACS Courses (at least 2 of the following):		6-9
LAT	335 Introduction to Mediation	
PSC	374 Exploring War and Peace in the Modern World	
REL	361 War, Peace, & Religion	
Other PACS Courses (at least 1 of the following):		3-12
LAT/PHL/PSC/REL 365 Selected Topics in Peace & Conflict Studies (may be repeated)		
LAT	430 Conflict Management	
PSC	426 Peace and Justice in Post-Conflict Societies	
Restricted Electives (no more than 2 of the following):		0-6
COM	305 Interpersonal Communication	
COM	342 Intercultural Communication	
HIS	340 Recent European History	
LAT	370 Domestic Relations	
LAT	420 Civil Rights Law	
LAW	200 Penology and Corrections	
LAW	270 Probation and Parole	
LAW	315 Criminal Justice Concepts and Issues	
PHL	230 Ethics	
PHL	310 Political Theory	
PHL	312 Contemporary Political Theory	
PHL	330 Topics in Ethical Theory	
PSC	200 International Politics	
PSC	310 Political Theory	
PSC	312 Contemporary Political Theory	
PSC	340 Latin America Political Systems	
PSC	370 American Public Policy	
PSC	375 Seminar on Terrorism and Homeland Security	
PSC	390 United Nations	
PSC	400 American Foreign Policy	
PSY	230 Psychology of Communication	
PSY	260 Cross-Cultural Psychology	
SOC	230 Social Problems	
SOC	315 Social Inequality and Stratification: Class, Power, and Wealth	
SOC	400 Racial and Ethnic Relations	
SOC	430 Criminology	
TOTAL		18

Gender and Power Studies

Missouri Western State University offers an interdisciplinary minor in Gender and Power Studies. This minor is intended for those students who have interest in social justice issues and want to learn about the complexities inherent in systems of power (race, class, gender, sexuality, and ability among others). This minor is intended for students who have concentrations in their major disciplines, such as communication, psychology, sociology, or for those who wish to learn more about the complex issues regarding gender and power. The minor will also provide a foundation of study for those students who intend to go on to professional or graduate school in order to study in these areas.

Gender and Power Studies minor requires 18 credits in at least three disciplines with no more than nine hours coming from any one discipline.

			<i>Credits</i>
COM	342	Intercultural Communication	3
COM	305	Interpersonal Communication	3
EDU	308	Multicultural Education	3
ENG	320	Literature of Gender and Ethnicity	3
LAT	370	Domestic Relations	3
LAT	420	Civil Rights Law	3
NUR	433	Health Alterations: Maternal Child	6
PED	222	Human Sexuality	3
PHL 312/PSC	312	Contemporary Political Philosophy	3
PSY	222	Psychology of Gender	3
PSY	260	Cross-Culture Psychology	3
SOC	330	The Family	3
SOC	315	Social Inequalities	3
SOC	400	Race and Ethnic Relations	3
SWK	325	Family and Child Welfare	3

Internship (1-3):

A 1-3 credit field experience/practicum/internship relevant to Gender and Power Studies arranged through any academic department. May be repeated for credit.*

Special Topics (1-3):

A 1-3 credit Special Topics course relevant to Gender and Power Studies and offered by any academic department. May be repeated for credit.*

Independent Study (1-3):

A 1-3 credit Independent Study relevant to Gender and Power Studies and arranged with any full-time faculty member. May be repeated for credit.*

* Only 3 credit hours of an internship, special topics course, or independent study that is being taken for more than 3 credit hours may be applied to the minor.

For more courses designated as GAP, please contact the faculty member who coordinates the Gender and Power Studies program.

Each student interested in the minor should discuss with his or her major academic advisor which courses best fit that student's discipline and concentration area as well as which general studies courses need to be chosen to satisfy prerequisites. Students enrolled in the Gender and Power Studies minor will also be assigned an advisor from the Gender and Power Studies Committee. Minor declaration forms will be kept on file by the Director of Gender and Power Studies.

Western Institute

Dr. Gordon Mapley, *Dean & Executive Director*

271-4100

www.wi.missouriwestern.edu

The Western Institute provides varied educational opportunities in a variety of settings. The institute serves college students attending satellite sites or taking online courses, business and industry seeking to improve employees' skills and knowledge, adults seeking workplace skills or specific job training, adults seeking to complete a college degree they began earlier in life, high school students seeking college credit, children desiring to expand their skills in art and music, adults seeking personal enrichment, traditional college students taking elective courses, incarcerated individuals, and adults needing improvement in English language skills. The Western Institute is also the home for Conferences, the Western Playhouse, Scheduling, Study Abroad & Exchange Programs, the Bio Bus and the Testing Center. The mission of the Institute is to serve the community through educational outreach.

CREDIT COURSES

The Western Institute offers a number of elective courses for college students. A maximum of six (6) credits in continuing education courses, numbered 100 or higher, and bearing the CED prefix, may be applied toward the total requirements required for a Missouri Western degree, but may not be applied toward the academic major.

The Western Institute provides initial advisement to adults seeking to complete college degrees begun earlier in life.

The Western Institute sponsors several education programs for off-campus and non-traditional students. These include: online courses, Dual Credit classes (college credit offered in high schools), upper-division and graduate credit classes in Kansas City; and English as a Second Language classes.

The Western Institute is home for the MWSU Regional Law Enforcement Academy/ Police Officer Standardized Training (P.O.S.T.) program. This program takes approximately 23 weeks and consists of 18 hours of Criminal Justice coursework (12 hours in Fall or Spring Semester, and 6 offered in two mini-semesters). A year-long part-time program is also available. These programs certify participants to become police officers in the state of Missouri. The 18 hours are fully applicable to both Western's associate and baccalaureate degrees in Criminal Justice. In addition, the curriculum includes physical training and health coursework that sufficiently overlaps PED101 such that cadets are required to enroll in an additional 3 credits for this course. Cadets who already have credit for PED101 will enroll in a substitute PED course.

Missouri Western State University offers degree programs and coursework at two additional sites.

The North Kansas City site is located at the Village at Burlington Creek - 6364 North Cosby Ave, Kansas City, Missouri 64151 (816-746-1001). This site provides coursework for a Bachelor of Science in Education - Elementary Education. Additional elective courses are occasionally offered at this site.

In partnership with Metropolitan Community College, Missouri Western offers coursework at the MCC Penn Valley campus located at 3201 Southwest Trafficway, Kansas City, Missouri 64111. At this site Missouri Western offers coursework for the Bachelor of Science in Nursing for an RN to BSN program that is a blend of online and face-to-face courses. For information on this program call 816-271-5845.

CONFERENCES AND COMMUNITY

The Western Institute is responsible for non-resident and resident **conferences, seminars, and special events**. Using University facilities, these conferences, seminars and special events serve local, regional and international groups and organizations.

The Western Institute offers training programs for business and industry and other **workforce development** programs, including re-certification courses. Programs may be customized to meet corporate needs.

The Western Institute is responsible for **Artscape, the Griffon Junior Singers, and the Symphonic Youth Orchestra**. These programs are designed to engage children in arts activities and to build their appreciation for and skills in the performing and creative arts.

Personal enrichment courses (e.g., photography, sign language, nutrition & weight control) are offered to the community.

SCHEDULING SERVICES

Scheduling Services is responsible for oversight of all campus facility usage and reservation and coordination of event support services. Campus facilities may be reserved and used by campus departments and student organizations free of charge (charges may apply for event support services, extensive set-up/tear-down or use of the Fulkerson Center, Griffon Indoor Sports Complex or Spring Sports Complex). Event support services include facility set-up and tear-down, campus dining, audio/visual equipment and support, sound and light production (in facilities where available), recreational and athletic equipment, and Police Department. Information about Scheduling Services may be obtained on-line at www.missouriwestern.edu/scheduling.

Priority for facility usage and governing policies are outlined in the Missouri Western Policy Guide that can be found on-line at www.missouriwestern.edu/hr.

STUDY ABROAD & EXCHANGE PROGRAMS

www.missouriwestern.edu/studyabroad

271-4116

The Office of Study Abroad and Exchange Programs exists to offer Missouri Western students the opportunity to enrich their educational experience by studying away from the St. Joseph campus. This is achieved through institutional affiliation with several international universities and domestic organizations that provide study abroad and exchange opportunities around the world. In addition, the Office of Study Abroad and Exchange Programs sponsors several study abroad opportunities each year that are taught by Missouri Western faculty. Study abroad and exchange programs vary in length, but can last as little as a few days or extend to an entire academic year.

Students wishing to participate in a study abroad or an exchange program are encouraged to contact the Office of Study Abroad and Exchange Programs in Spratt 105. The email address is studyaway@missouriwestern.edu.

INT 100 International Study-Lower Division (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 100 credit if hours taken off campus are equivalent to a Western lower level course. By enrolling in INT 100, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 100 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

INT 200 International Study-Cultural Experience (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 200 credit if hours have no equivalent in Missouri Western's curriculum.

INT 200 allows credit for a cultural experience for which there is no MWSU equivalent.

By enrolling in INT 200, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 200 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

INT 300 International Study-Upper Division (1-12) DD. Students studying in a semester abroad or exchange program recognized by Missouri Western State University may receive INT 300 credit if hours taken off campus are equivalent to upper division Missouri Western courses. By enrolling in INT 300, the student maintains MWSU enrollment and upon return to the campus facilitates the translation of courses taken abroad into Western credit. All credits received in INT 300 are subject to the pre-approval of the Director of Study Abroad and Exchange Programs.

TESTING CENTER

The Testing Center is responsible for standardized tests offered to University students, prospective students and to community residents; and monitors testing for students and community residents whose exams need to be proctored. Visit www.missouriwestern.edu/testing for more information.

INTENSIVE ENGLISH PROGRAM

The Intensive English Program at Missouri Western State University has been developed to offer international students a strong foundation in the English language. This foundation will enable international students to succeed in their chosen academic fields and become more comfortable living in the community. Courses may be started at any time during each semester. Each course consists of 5 hours per week of seat time, generally split between 2 hours of lecture and 3 hours of lab. Students taking the four course beginning or intermediate level sequence will have 25 hours of seat time per week – four courses at 5 hours each, plus an additional 5 hours of lab. Contact the ELL Coordinator at 816-271-4193 for information.

Credit and non-credit ELL courses are offered in the Beginning, Intermediate & Advanced level in each of the following areas:

- Listening and Speaking
- Grammar and Composition
- Reading
- Academic Writing

Listening and Speaking (CED086, CED096, CED166, depending on level):

This class is designed for international students seeking to increase their listening and speaking abilities in English. Study and practice will concentrate on speaking skills, presentation skills, pronunciation skills, listening skills, and American idioms.

Grammar and Composition (CED087, CED097, CED167, depending on level):

This class is designed for international students seeking to increase their understanding of English grammar and beginning composition. The emphasis of this course will be to study the rules of grammar through simple composition of papers and presentations. Both oral and written grammar will be included in this course.

Reading (CED088, CED098, CED168, depending on level):

This class is designed for international students seeking to increase their reading skills in English. Study and practice will concentrate on vocabulary expansion, reading comprehension in a variety of genres, word usage, character analysis, and journaling.

Academic Writing (CED089, CED099, CED169, depending on level):

This class is designed for the international student seeking to improve their writing skills for the college classroom. Students taking this class will be asked to produce various forms of written work, critique their own and other's work, make the necessary corrections, and complete a final draft of the paper.

Registration Procedures: Most Western Institute courses are open to anyone who may benefit from them. Other courses and programs have specific enrollment requirements. Students may register for most courses through walk-in registration in the office of the Western Institute. Online registration options are also available. Call the Institute (816-271-4100) or visit us online www.missouriwestern.edu/wi for more information.

Fees: Fees for continuing education classes are divided into two categories: credit and noncredit courses. Most credit courses carry the same tuition and fees as regular Missouri Western courses. Non-credit course fees are based on the expense to offer each course.

Refund Policy: The refund policy for credit classes is the same as other credit courses at MWSU. Noncredit students may receive a full refund on noncredit Institute classes, if notification is received one week prior to the first class period or if the class is cancelled. After the first class meeting, but prior to the second class session, students may receive a 50% refund (minus a \$5 administrative charge) if it is requested in writing. No refunds will be made after the second scheduled class meeting.

WESTERN PLAYHOUSE

The Western Playhouse is a non-profit professional theatre whose purpose is to enhance the local and regional arts scene, engage the community through professional theatrical performances, and empower young theatre artists by providing them with professional applied-learning opportunities. www.westernplayhouse.com

BIO BUS

The Bio Bus is a mobile laboratory that visits regional high schools and middle schools, engaging students in hands-on science activities. It also engages the public at regional, state, and national fairs and other events, with the goal of enhancing interest in the study of science and the pursuit of scientific careers.

APPENDICES

Appendix A:

The Board of Governors

Leo Blakley (term expires October 29, 2016)
Appointed by Governor Jay Nixon, April 2010

Dirck Clark (term expires October 29, 2015)
Re-Appointed by Governor Jay Nixon, April 2010

Lesley Graves (term expires October 29, 2011)
Appointed by Governor Matt Blunt, February 2007

David Liechti (term expires October 29, 2019)
Appointed by Governor Jay Nixon, March 2014

Brigadier General Gregory Mason (term expires October 29, 2018)
Appointed by Governor Jay Nixon, February 2013

Alfred Purcell (term expires October 29, 2018)
Appointed by Governor Jay Nixon, February 2013

Debbie Smith (term expires October 29, 2014)
Appointed by Governor Jay Nixon, April 2010

Lionel Attawia (Student Governor) (term expires December 31, 2015)
Appointed by Governor Jay Nixon, March 2014

Appendix B:

Administrators & Exempt Staff

- Adwell, Tara**, Associate Executive Director / CFO-Foundation (B.S., M.B.A., Northwest Missouri State University)
- Andriano, Gregory**, System Analyst Programmer (B.S., Missouri Western State University)
- Armstrong, Mike**, Associate Vice President for University Advancement, (B.A., Northwest Missouri State University)
- Bagley-Trotter, Jennifer**, Head Coach-Softball (B.S., Moorhead State University; M.Ed., North Dakota State University)
- Baker, Marilyn**, Director of Financial Aid (B.S., Missouri Western State University)
- Ball, Belinda**, Academic Teacher / Education Diagnostician, WRDCC (B.S., M.S., M.S.E., Emporia State University)
- Beard, Joel**, Assistant Football Coach (B.A., University of Wisconsin; M.A., American InterContinental University)
- Bell, Aaron**, Assistant Football Coach (A.A., Fort Scott Community College; B.A., Pittsburg State University)
- Bell, Wes**, Assistant Football Coach (B.A., Emporia State University; M.A., Minnesota State University Moorhead)
- Berneking, Amanda**, Assistant Softball Coach (B.S., Missouri Western State University)
- Berneking, Trevor**, Director of Athletic Media Relations (B.S., University of Minnesota; M.S., Northern State University)
- Berry, Wonda J.**, Recreation Services / Facilities Director (B.S., Missouri Western State University; M.S., Pittsburg State University)
- Boettcher, Rebecca**, Admissions / Advisement Coordinator (B.A., M.A., University of South Florida)
- Bowen, Stacy**, Math Coordinator (B.A., University of Michigan, M.A., LaGrange College)
- Bracciano, Susan V.**, Registrar (B.S.B.A., M.B.A., University of Kansas, Lawrence)
- Brown, H. David**, Assistant Dean, Health and Wellness, Director of Counseling (B.S., Missouri Western State University; M.A., University of Missouri-Kansas City)
- Brown, Ricky**, Applications Programmer (B.S., Missouri Western State University)
- Bryant, Elaine**, Student Success & Advising Director (B.S.B.A., Missouri Western State University; M.S., Kansas State University)
- Buhman, Laura**, Development Officer (B.S., Missouri Western State University)
- Burns, Jackie**, Distance Education Librarian (B.A., Kansas State University; M.L.S., Emporia State University)
- Byer, Christa**, Marketing Coordinator (B.F.A., Northwest Missouri State University)
- Callow, Jennifer**, Assistant Cataloging Librarian (B.S. Missouri Western State University; M.A., University of Missouri-Columbia)
- Campbell, Sarah**, Admissions Counselor (B.S., Missouri Western State University)
- Carbin, Marian**, Head Volleyball Coach (B.S., Missouri Western State University)
- Carmichael, Blair**, Instructional Media Designer (A.S., Full Sail Center for the Recording Arts; B.S., Walden University)
- Cazel Brenda**, Purchasing Manager (B.S., Missouri Western State University)
- Collier, Isaiah**, Assistant Dean of Student Development (B.A., M.Ed., University of Akron)
- Coombs, Aaron**, Assistant Men's Basketball Coach (B.S., University of North Carolina-Wilmington)
- Criger, Cori J.**, Instructional Technology Director (B.S., Missouri Western State University)
- Cunningham, Jeff**, Financial Aid Information System Analyst (B.S., University of Central Missouri)
- Daffron, Jeanne M.**, Provost and Vice President for Academic Affairs (A.S., B.S., Missouri Western State University; M.P.A., University of Missouri-Kansas City; Ph.D., Texas Woman's University)

Darrough, Craig K., Environmental Safety Coordinator (A.A., St. Louis Community College at Florissant Valley; B.S., Northwest Missouri State University)

Dawson, Corla S., Assistant Dean/Student Academic Support Services, Director/Writing Coordinator, Center for Academic Support (B.A., Missouri Western State University; M.A., University of Nebraska-Omaha)

Diaz, Michelle, Acquisitions/Collections Management Librarian (B.A., Missouri Western State University; M.A., University of Missouri-Kansas City; M.L.S., Emporia State University)

Dillon, Greg, Head Men's and Women's Golf Coach (B.A., Colorado State University at Pueblo)

Eckhoff, Daniel O., Bursar (B.S., Missouri Western State University; E.M.B.A., Benedictine College)

Edmisson, Robert, Head Women's Basketball Coach (B.A., Bethany College)

Edwards, Chad, Head Women's Soccer Coach (B.S.B.A., Missouri Southern State University; M.B.A., Baker University)

Edwards, Nick, Instructional Designer (B.S., William Woods University)

Elifrits, Chad, Director of Educational Diagnostic Services, WRDCC (B.S., M.S., Ed.S., Northwest Missouri State University)

Ellis, Mark G., Database Administrator/Analyst (A.S., B.S.B.A., B.S., Missouri Western State University)

Ellis, Peggy E., Director, Non-Credit Programs/Business & Industry Training (A.S., Fresno City College; B.S.B.A., Missouri Western State University; M.A., Webster University)

Esely, Brett, Associate Director of Athletics for External Relations (B.S., Missouri Western State University; M.S.S., United States Sports Academy)

Evans, Derek, Academic Advisor (B.S., Northwest Missouri State University; M.A., University of Missouri-Columbia)

Exline, Jamie, Residence Hall Director (B.S., B.S.W., Missouri Western State University)

Fessler, Cale, Vice President for Financial Planning and Administration, (B.S., William Woods University, M.B.A., Lincoln University)

Fisher, Stacy, Data & Communications Coordinator (B.A., Northwest Missouri State University)

Fitzpatrick, Latoya, Multicultural Education Coordinator (B.A., M.A., University of Missouri-Kansas City)

Flaska, Thomas, Event Technology Coordinator

Foley, Amy C., Fitness Center Coordinator, Recreation Services Department (A.A., Highland Community College; B.S., Northwest Missouri State University; M.S., University of Kansas)

Ford, Timothy, Team Leader, WRDCC (B.S., Missouri Western State University)

Gann, Cathy S., Student Success Advising Coordinator (B.S., Missouri Western State University; M.S., Northwest Missouri State University)

Garrison, Susan, Content Tutor Coordinator (B.S., University of Missouri-Columbia; M.S., Northwest Missouri State University)

George, Gregory, Mechanical Supervisor

Graham, Michelle, Adaptive Technology Specialist (A.A., Missouri Western State University)

Graham, Shane, Network Technician (A.A.S., Flint Hills Technical College)

Grimes, Judith W., Associate Vice President for Student Affairs & Dean of Students (B.A., University of Texas-Austin; M.A., Ph.D., University of Missouri-Columbia)

Halloran, Mike, Director of Athletic Facilities (B.S., Northwest Missouri State University)

Harp, Dillon, Admissions Counselor (B.S., Missouri Western State University)

Harrah, Brian, Buildings Supervisor

Hartley, Sherri, Fixed Asset/Grant Accountant (B.S.B.A., Missouri Western State University)

Heider, Cindy, Associate Provost & Associate Vice President for Academic Affairs (B.S., Ed.D., University of Missouri; M.A., Northwest Missouri State University; Ed.S., Missouri State University)

Heier, Kent, Assistant Director of Public Relations and Marketing (B.S., University of Nebraska-Lincoln)

Hill, René, Payroll Coordinator (B.S.B.A., Missouri Western State University)

Hills, Jessica, Senior Financial Aid Coordinator (B.A., Missouri Western State University)

Holtman, Michelle, Academic Advisor (B.A., M.A., University of Missouri-Kansas City)

Holtz, Diane, Coordinator, Public Relations & Marketing and Alumni Services (B.L.S., University of Iowa)

Huffman, Denece, Assistant Bursar (A.S., B.A., Missouri Western State University)

Hughes, Jane, Speech Pathologist, WRDCC (B.S., Northwest Missouri State University)

Gammon, Kathy A., Accountant (B.S.B.A., Missouri Western State University)

Johnson, Lonnie R., Director of Facilities (B.S., Arkansas Tech University)

Jones, Kendy S., Director, Campus Printing and Design Services (B.S., Missouri Western State University)

Kelley, Jonathan, Chief of Police (A.S., Northwestern Connecticut Community College; B.S., Missouri Western State College; M.S., Central Missouri State University)

Kelly, Jake, Instructional Design, Web and Applications Programming Manager (B.A., Missouri Western State University)

Kelly, Robin, Assistant to the Chair, Education (B.S., M.S., Northwest Missouri State University)

Kissock, Timothy J., Risk Manager (B.S., St. John University; J.D., University of Missouri-Kansas City School of Law)

Kotwani, Amy, International Student Services Director (B.A., University of Missouri-Columbia; B. J., University of Missouri -Columbia School of Journalism; M.B.A., J.D., Drake University School of Law)

Kowich, Colleen A., Director of Alumni Services (B.A., Adrian College; M.A., Virginia Tech)

Kramer, Eric, Assistant Director of Athletics for NCAA Compliance and Academics (B.S., University of Missouri-Columbia; M.Ed., Wichita State University)

Kramer, Melissa, Applications Programmer (B.S., Devry Institute of Technology)

Kriley, Blaise, Head Athletic Trainer (B.S., M.S., Emporia State University)

Kuechler, Patty, Director of Conferences and Special Programs

Lance, Bob, Accountant (B.S., Northwest Missouri State University)

Lane, Michael, Dean of the Craig School of Business and Professor of Accounting (B.S.B.A., Lowell Technological Institute; M.S., Northeastern University; Ph.D., Texas A&M)

Loeffler, Tony, Assistant Baseball Coach, (A.A., Skyline Community College, B.A., Missouri Western State University)

Mabe, Mark E., Director of Information Technology Services (AS., B.S., Missouri Western State University)

Manning, Jeanie, Director of Developmental Reading (B.S., M.S., University of Nebraska)

Mapley, Gordon, Dean and Executive Director, Western Institute (B.A., Oakland University; M.A., Ph.D., Wayne State University)

Marash, Vincenza Rose, Diversity and Women's Issues Counselor (B.A., M.A., Stony Brook University; M.A., Ph.D., Cornell University; M.S.W., Syracuse University)

McCauley, Howard, Dean of Enrollment Management (B.S.E., M.S.E., Northeast Missouri State University)

McCumber, Sarah, Information Services Librarian-Special Collections & Archives (B.S., University of Central Missouri-Columbia)

McGarrell, Andrew R., Cataloging Librarian (B.A., Yale University; M.A., M.L.S. Indiana University)

McGuffin, Kurt, Director of Athletics (B.S., Kansas State University; M.S., Wichita State University)

McLarren, Amy, Residence Hall Director (A.A., Longview Community College; B.S., Missouri State University; M. Ed., Southern Arkansas University)

McMillian, Carey J., Associate Vice President for Financial Planning & Administration (B.S.B.A., Missouri Western State University; M.B.A., Northwest Missouri State University)

McQuirter, Kevin J., Video Communications Specialist (B.A., University of Southern Mississippi)

McWilliams, David R., Developmental Math Specialist (B.S., M.A., Missouri State University)

Menley, Ryan, Director of Athletic Communications, Athletics
Meyer, Shana, Vice President for Student Affairs (B.S., M.S., Emporia State University)
Müller, Misty, Benefits Coordinator (A.A.S., Highland Community College; B.A., M.A., Ottawa University)
Monach, Gregory, Custodial Supervisor
Mueller, Signe, Assistant Volleyball Coach (B.A., University of Iowa)
Mulder, James L., Information Services Librarian (B.A., Northwestern College; M.A., University of Iowa)
Murray, Mallory, Director of Public Relations & Marketing (B.A., M.A., Pittsburg State University)
Nabors, Murray W., Dean of the College of Liberal Arts and Sciences (B.S., Yale College; Ph.D., Michigan State University)
Neeley, Kristen, Assistant Director of New Student Programs (B.S., Missouri Western State University)
Neely, Levi, Applications Programmer
Nesslage, Frederick C., Network Administrator (B.S., Rochester Institute of Technology)
Nicholson, Mike, Assistant Men's Basketball Coach (B.S.B.A., University of Missouri-Columbia; M.A., University of Missouri-Kansas City)
Nold, Letha A., Chief Accountant/Director of Purchasing (A.S., B.S.B.A., Missouri Western State University)
Noyd, Jacob O., Operations Engineer (B.S., Missouri Western State University)
O'Connor, Kathleen, Dean, College of Professional Studies (B.S.N., Creighton University; M.N., University of Kansas; Ph.D., University of Missouri-Kansas City)
Parnell, Les, Accountant, Student Receivable (B.S.B.A., Missouri Western State University)
Partridge, Jerry, Head Football Coach (B.S., Missouri Western State University; M.S., University of Missouri)
Payne, Peggy M., Assistant Director of Admissions/Recruiting (B.A., McPherson College)
Pearce, Ann, Special Assistant to the President (B.S., University of Central Missouri)
Perry, Sarah, Residence Hall Director (B.S.Ed., M.S., Missouri State University)
Pickman, Jerry, Vice President for University Advancement and Executive Director, MWSU Foundation (B.S., Missouri Western State University; E.M.B.A., Benedictine College)
Potter, Steven M., Counselor/International Student Advisor (A.A., Southeastern Community College; B.A., University of Northern Iowa; M.A., Northeast Missouri State University)
Rice, Jesse, Instructional Technologist
Riley, Jennifer, Accountant, Foundation (B.S., Truman State University)
Ritter, Michael R., Disability Services Coordinator (B.S., Missouri Western State University)
Ritter, Michelle L., Web Developer (B.A., Missouri Western State University)
Roach, William J., Developmental Math Specialist (A.E., Missouri Western Junior College; B.S., M.S., Northwest Missouri State University)
Roberts, Nathan, Director, Residential Life (B.F.A., Emporia State University; M.S. Ferris State University)
Robinson, Whitney, Admissions Counselor (A.S., B.S.B.A., Missouri Western State University)
Rops, Benjamin, Admissions Counselor (B.S., University of Sioux Falls)
Saffell, Steven L., Institutional Research Analyst (A.A., Metropolitan Community Colleges of Kansas City; B.S., Missouri Western State University; M.S.Ed., Northwest Missouri State University)
Sample, Victoria R., Science Stores/Laboratory Coordinator, Departments of Chemistry, Biology (B.S., Missouri Western State University)
Samuel, Cassandra, Advising Coordinator (B.S., M.S., Northwest Missouri State University)
Sanders, Sally, Director of Human Resources (B.A., University of Missouri-Columbia)
Schank, Tyson, Associate Director of Enrollment Management/Director of Admissions (B.S.B.A., Missouri Western State University; M.S., Chadron State College)
Schneider, Julia L., Library Director (A.A., Missouri Western State University; B.A., Northwest Missouri State University; M.A., University of Missouri-Columbia)

Scroggs, Michael, Technical Operations Coordinator (B.F.A., Valdosta State University)
Sharp, Tracy, Assistant Registrar (B.A., Missouri Western State University)
Spotts-Conrad, Cindy S., Associate Director, Financial Aid (B.S., Northeast Missouri State University)
Spurgeon, Maria, Academic Computing Coordinator (B.S., Missouri Western State University)
Stewart, Corey, Auxiliary Maintenance Supervisor
Stoll, Tara, Video Communications Producer (B.S., Missouri Western State University)
Sweiger, Jamie, Assistant Director of Admissions/Operations (A.S., B.S.B.A., Missouri Western State University)
Taylor, Kay-lynn, Career Development Director (B.F.A., M.A., Iowa State University)
Throckmorton, Todd, Assistant Football Coach (B.S., Missouri Western State University; M.A., University of South Dakota)
Trotter, Regi, Assistant Football Coach/Defensive Coordinator (B.A., B.S., Missouri Western State University)
Turner, Stacy, Special Credit Programs Coordinator
Tyler, Deatra D., HRIS Analyst (B.S.B.A., Missouri Western State University)
Van Dyke, Steven, Graphic Arts Coordinator (B.F.A., University of Central Missouri)
Vartabedian, Robert, President (B.A., California State University; M.A., Wichita State University; Ph.D., University of Oklahoma)
Verduzco, Charles "Buzz", Head Baseball Coach (B.S., Washington State University; M.S., University of Nevada)
Warnke, Tyra L., Developmental Math Specialist (A.A., McCook Community College; B.A., Wayne State College; M.S., University of Nebraska)
Washburn, Christina, Admissions Coordinator (B.A., Graceland University)
Weaver, Terry B., Assistant Director for Access Services (B.S., University of Kansas; M.L.S., University of Missouri-Columbia)
Weddle, Kim, Executive Associate to the President, (B.S. Missouri Western State University)
Weiberg, Brett, Head Men's Basketball Coach (A.A., Northern Oklahoma College; B.S., Sam Houston University; M.Ed., Northwestern Oklahoma State University)
Whitsell, J. Bruce, Grounds/Events Supervisor
Wiebelt-Smith, Roger, Assistant Women's Basketball Coach (B.A., University of Central Oklahoma)
Willenbrink, Robert, Founding Dean, School of Fine Arts (B.A., M.A., Morehead State University; Ph.D., Bowling Green State University)
Williams, Jena, Graphic Arts Coordinator (A.A., Highland Community College; B.F.A., Missouri Western State University)
Williamson, Tom, Assistant to the Dean, Steven L. Craig School of Business (B.S., South Dakota State University; M.P.A., University of South Dakota)
Willis, Jamie M., Western Institute Office Coordinator (A.A.S., Highland Community College)
Wood, Gaylen, Lead Driver

Appendix C:

Faculty

ART

Foley, Rebecca, Assistant Professor (B.A., Rice University; M.F.A., Indiana University)
Fuson, Eric, Instructor (B.A., Missouri Western State University)
Harris, David, Assistant Professor (B.A., Missouri Western State College; M.F.A., Fort Hays State University)
Harris, Teresa, Associate Professor (B.A., Missouri Western State College; M.F.A., Fort Hays State University)
Hriso, Peter, Associate Professor and Chairperson (B.S., University of Southern Indiana; M.F.A., The Ohio State University)
Lawley, J. Neil, Assistant Professor (A.S., Trinity Valley Community College; B.G.S., B.F.A., University of Texas at Tyler; M.F.A., Southern Methodist University)
Sauls, Allison H., Associate Professor (B.A., Huntington College; M.A., University of Georgia; Ph.D., Emory University)
Sipp, Geo, Professor (B.F.A. University of Florida; M.F.A., Clemson University)

BIOLOGY

Ashley, David C., Professor (B.S., M.S., Bowling Green State University; Ph.D., University of Nebraska)
Baker, Jason C., Professor (B.S., Ph.D., Kansas State University)
Barta, Csengele, Assistant Professor (B.S., Babes-Bolyai University; M.S., Biological Research Center of the Hungarian Academy of Sciences; Ph.D., University of Szeged)
Chevalier, Cary, Professor (B.S., M.S., Arizona State University; Ph.D., University of California)
Daggett, Melissa, Associate Professor (B.S., Kansas State University; Ph.D., University of Lawrence)
Eckdahl, Todd, Professor and Chairperson (B.S., University of Minnesota; Ph.D., Purdue University)
Hatch, Steven, Assistant Professor (B.S., Brigham Young University; Ph.D., Boston University School of Medicine)
Koy, Karen, Assistant Professor (B.S., Bowling Green State University; M.S., Indiana University; Ph.D., University of Illinois at Chicago)
Mills, Mark, Assistant Professor (B.S., M.A., University of Nebraska at Omaha; Ph.D., University of Georgia)
Nabors, Murray, Professor (B.S., Yale College; Ph.D., Michigan State University)
Quedensley, Taylor, Assistant Professor (B.S., University of Nebraska at Lincoln; M.S., University of Nebraska at Omaha; Ph.D., University of Texas at Austin)
Rachow, Thomas E., Associate Professor (B.S., University of Iowa; M.S., Ph.D., Southern Illinois University)
Walton, Kristen Lee Williams, Associate Professor (B.S., Missouri State University; Ph.D., University of North Carolina)

STEVEN L. CRAIG SCHOOL OF BUSINESS

Chiao, Cheng-Huei (Michael), Assistant Professor (B.S., M.S., National Chung-Hsing University; Ph.D., University of Wisconsin-Milwaukee)
Dahanayake, Sunil, Assistant Professor (BSc. Bus. Ad., University of Sri Jayewardenepura; M.B.A., University of Colombo; M.A., Kansas State University; Ph.D., Australian National University)
Ertekin, Selcuk (Scott), Assistant Professor (B.S., Middle East Technical University; M.B.A., Marmara University; Ph.D., University of North Texas)

Fowler, Martha Lou, Associate Professor (B.S., M.S., Northeast Missouri State University)
Gunderson, Konrad, Associate Professor (B.A., Luther College; M.S., University of Wisconsin-Madison; Ph.D., University of Nebraska-Lincoln)
Krueger, Dale, Associate Professor (B.A., DePauw University; M.A., Northern Illinois University; Ph.D., University of Missouri)
Lane, Michael, Professor (B.S., Lowell Technological Institute; M.S., Northeastern University; Ph.D., Texas A&M University)
Lane, Peggy, Professor (B.S., M.B.A., Ph.D., University of Arkansas)
Lewis, Mark W., Professor (B.S., University of Kansas; M.S., Ph.D., Southern Methodist University)
Luthans, Brett C., Professor (B.S., M.A., Ph.D., University of Nebraska-Lincoln)
Madupu, Vivek, Assistant Professor (B.S., Kakatiya University; M.S., University of Hyderabad; M.B.A., Bharatidasan Institute of Management; Ph.D., University of Memphis)
Montee, Susan, Assistant Professor (CPA; B.A., Drury University; J.D., University of Missouri-Kansas City)
Nitse, Phillip, Professor (B.S. Arizona State University; M.A., Ph.D., University of Memphis)
Reed, Deborah, Instructor (B.A.B.A., Columbia College; M.B.A., Central Michigan University)
smith, faye i., Professor (B.B.A., M.B.A., University of Missouri-Kansas City; Ph.D., University of Iowa)
Tarun, Prashant, Assistant Professor (B.E., Sardar Patel University; M.S., Ph.D., University of Texas at Arlington)
West, Michael, Instructor (B.S.E., M.B.A., University of Missouri-Columbia)
Wang, Bin, Assistant Professor (B.S., Zhongnan University of Economics and Law; Ph.D., University of South Florida)
West, Michael, Instructor (B.S.E., M.B.A., University of Missouri-Columbia)

CHEMISTRY

Archer, Leonard J., Professor (B.S., Northwest Missouri State University; M.S., Ph.D., University of Nebraska)
Caldwell, Benjamin D., Professor (B.Sc., Randolph-Macon College; Ph.D., University of Virginia)
Ducey, Michael, Associate Professor and Chairperson (B.S., University of Kansas; Ph.D., University of Michigan)
Hiley, Shauna, Associate Professor (B.S., Central Missouri State University; Ph.D., University of Wyoming)
Lorimor, Steven P., Associate Professor (B.S., Northwest Missouri State University; Ph.D., Iowa State University)
Rhoad, Jonathan, Associate Professor (A.B., William Jewell College; M.S., Ph.D., The Ohio State University)
Svojanovsky, Stanislav, Assistant Professor (Ing., University of Pardubice; M.S., Western Michigan University; Ph.D., University of Kansas)
Torres y Torres, Janelle, Assistant Professor (B.A., Luther College; Ph.D., University of Iowa)
Woodford, Jeffrey, Assistant Professor (B.S., Carnegie Mellon University; Ph.D., University of Nebraska-Lincoln)

COMMUNICATION AND JOURNALISM

Bergland, Robert, Professor (B.A., Millikin University; M.A., Ph.D., Purdue University); *Journalism*
Bond, Christopher, Assistant Professor (B.S., University of Southern Mississippi; M.S., Mississippi College; Ph.D., University of Memphis); *Communication Studies*
Carviou, James, Instructor (B.A., M.A., University of Wisconsin-Milwaukee; Ph.D., University of Iowa, expected 2014); *Journalism*
Harris, Shawna, Assistant Professor (B.S., Southern Utah University; M.A., University of Nevada; Ph.D., University of Georgia); *Communication Studies*

Hunt, Marilyn D., Associate Professor and Chairperson (B.A., M.A., California State University; Ph.D., University of Kentucky); *Communication Studies*
McMahan, David, Associate Professor (A.S., Vincennes University; B.S., M.A., Indiana State University; Ph.D., University of Iowa); *Communication Studies*
Nulph, Robert, Assistant Professor (B.S.E., M.S., Clarion University of Pennsylvania; Ph.D., University of Kansas); *Journalism*
Tapia, John E., Professor (B.A., California State University; M.A., University of Massachusetts; Ph.D., University of Arizona); *Communication Studies*
Vartabedian, Robert A., Professor (B.A., California State University; M.A., Wichita State University; Ph.D., University of Oklahoma); *Communication Studies*
Zhang, Mei, Associate Professor (B.A., Hangzhou University; B.A., Fudan University; M.A., Ph.D., University of Pittsburgh); *Communication Studies*

COMPUTER SCIENCE, MATHEMATICS AND PHYSICS

Anderson, Kevin, Associate Professor (B.A., Bethany College; M.S., Kansas State University); *Mathematics*
Becker, Deborah, Assistant Professor (B.S., M.A., Southwest Missouri State University); *Computer Science*
Bucklein, Brian, Assistant Professor (B.S., B.A., East Carolina University; Ph.D., Brigham Young University); *Physics*
Godfrey, Christopher, Professor (B.S., University of Central Arkansas; Ph.D., Iowa State University); *Physics*
Hecker, Connie, Assistant Professor (B.S., Missouri Western State College; M.S., Regis University); *Computer Science*
Hegeman, Jennifer S., Associate Professor (B.A., Augustana College; M.A., Indiana University; Ph.D., University of Missouri-Kansas City); *Mathematics*
Klassen, Steven D., Associate Professor (B.S., Friends University; M.S., University of Houston-Clear Lake; Ph.D., Texas A & M University); *Mathematics*
McCune, Lori, Assistant Professor (B.S., University of Akron; M.S., Ph.D., University of Nebraska-Lincoln); *Mathematics*
Miller, Timothy L., Assistant Professor (B.S., M.S., Ph.D., Kansas State University); *Mathematics*
Noynaert, J. Evan, Assistant Professor (B.A., University of Illinois; M.S. University of Iowa; M.S., Midwestern State University); *Computer Science*
Otfinger, Michael B., Professor and Chairperson (B.S., M.S., Brigham Young University; Ph.D., University of Texas); *Physics*
Pickett, H. Kent, Assistant Professor (B.S., M.S., University of Missouri-Rolla); *Computer Science*
Poet, Jeffrey, Professor (B.A., Ottawa University; M.S., Kansas State University; Ph.D., University of Wyoming); *Mathematics*
Rice, Glenn R., Associate Professor (B.A., Tabor College; M.A., Ph.D., University of Kansas); *Mathematics*
Waters, Gavin, Associate Professor (B.A., University of Wales; M.S., Ph.D., University of Iowa); *Mathematics*
Yan, Baoqiang, Assistant Professor (B.S., China Youth University for Political Sciences; M.S., Ph.D., University of Mississippi); *Computer Science*

CRIMINAL JUSTICE, LEGAL STUDIES, AND SOCIAL WORK

Clary, Pam, Instructor (A.A., Highland Community College; B.S., Kansas State University; M.S.W., University of Kansas); *Social Work*
Frye, Jana, Assistant Professor (B.S., Truman State University; M.S.W., University of Kansas); *Social Work*
Godboldt, Suzanne, Assistant Professor (B.S., Florida Southern College; M.A., Sam Houston State University; Ph.D., University of Nebraska at Omaha); *Criminal Justice*
Katz, Joanne, Professor (B.A., J.D., University of Missouri-Kansas City); *Legal Studies*
Kissock, Suzanne, Associate Professor (B.A., St. Louis University; J.D., St. Louis University School of Law); *Legal Studies*

Lindsteadt, Gregory A., Associate Professor (B.S., University of Nebraska; M.S., Central Missouri State University; Ph.D., Indiana University); *Criminal Justice*

Marble, David, Assistant Professor (B.A., Brigham Young University; M.P.A., University of Utah; M.S., Ph.D., University of Texas at Dallas); *Criminal Justice*

Nix, Frederica, Instructor (A.A., St. Joseph Junior College; B.A., B.S., Missouri Western State College; M.S., Central Missouri State University); *Criminal Justice*

Smith, Montella, Assistant Professor (A.A., A.A.S., Community College of Baltimore County; B.A., University of Baltimore; J.D., University of Baltimore School of Law); *Criminal Justice*

Tushaus, David W., Professor and Chairperson (B.A., University of Missouri-Columbia; M.A., J.D., University of Iowa); *Legal Studies*

Wilson, Kip B., Associate Professor (A.S., B.S., Missouri Western State College; M.A., Ed.S., Central Missouri State University); *Criminal Justice*

ECONOMICS, POLITICAL SCIENCE, AND SOCIOLOGY

Courington, John, Professor (B.S., Arizona State University; M.S., Ph.D., Oklahoma State University); *Economics*

Euchner, Jonathan, Assistant Professor (B.A., University of Northern Iowa; M.A., University of South Carolina; Ph.D., University of Kentucky); *Political Science*

Hamzaee, Reza, Professor (B.S., National University of Iran; M.A., University of California-Santa Barbara; Ph.D., Arizona State University); *Economics*

Kamali, Ali, Professor (B.A., National University of Iran; M.A., University of Detroit; Ph.D., Michigan State University); *Sociology*

Kibirige, Joachim S., Associate Professor (B.A., Makerere University; M.S., Ph.D., University of Missouri-Columbia); *Sociology*

Kovács, Melinda, Assistant Professor (M.A., ELTE, Hungary; M.A., Central European University; M.A., Ph.D., Rutgers University); *Political Science*

Lawson, Catherine L., Professor (B.A., University of Colorado-Denver; M.A., Ph.D., University of Colorado-Boulder); *Economics*

McMurry, Patrick H., Professor (B.S., Southwest Missouri State University; M.A., Central Missouri State University; Ph.D., University of Arkansas); *Economics*

Taylor, Edwin A. III, Assistant Professor (B.A., M.P.A., Montana State University; M.S., Ph.D., University of Oregon); *Political Science*

EDUCATION

Bashinski, Susan, Assistant Professor (B.S., M.Ed., University of Missouri-Columbia; Ed.D., University of Kansas)

Blake, Kit, Assistant Professor (B.S.E., Missouri Western State College; M.S., Northwest Missouri State University; Ed.D., Walden University)

Claffin, M. Susan, Associate Professor (B.A., Ottawa University; M.A., University of Denver; Ph.D., University of Kansas)

Eicher, Doug, Associate Professor (B.S., University of Nebraska-Omaha; M.A., Ed.S., University of Nebraska-Kearney; Ph.D., University of Nebraska-Lincoln)

Ellis, John A., Associate Professor (B.S., Indiana State University; M.A., Ed.D., Ball State University)

Foster, Charlotte, Assistant Professor (B.S., Arkansas State University; M.S., Regent University; Ed. Spec., Arkansas State University)

Heider, Cindy, Associate Professor (B.S., University of Missouri-Columbia; M.A., Northwest Missouri State University; Specialist in Educational Administration, Southwest Missouri State University; E.D.D., University of Missouri-Columbia)

Irvine, Deborah S., Professor (B.S.E., M.A., Ed.S., Pittsburg State University; Ph.D., University of Kansas)

Johnson, Adrienne, Instructor (B.A., University of Denver; M.A., National Louis University; Ph.D., University of Kansas, doctoral candidate)

Shepherd, Daniel, Assistant Professor and Chairperson (B.A., Cedarville University; M.Ed., Indiana Wesleyan University; Ed.S., Ed.D., Ball State University)

Smilie, Kipton, Assistant Professor (B.S.E., Pittsburg State University; M.A., Ph.D., University of Kansas)

Smith, Michael S., Professor (B.A., Ashland College; M.S., University of Dayton; Ph.D., Indiana University)

ENGINEERING TECHNOLOGY

Abdel-Raheem, Mohamed, Assistant Professor (B.S., The American University in Cairo; M.S., Cairo University; M.S., Ph.D., University of Central Florida)

Qiao, Long, Assistant Professor (B.S., Xian University of Architecture & Technology; M.S., Texas Tech University; Ph.D., Kansas State University)

Stutterheim, Aaron, Instructor (B.S., Missouri Western State University; M.A., Kansas State University)

Tang, Shensheng, Assistant Professor (B.S., Tianjin University; M.S., China Academy of Telecommunications Technology; Ph.D., University of Toledo)

Yang, X. George, Professor and Chairperson (B.S., Zhejiang University; M.S., Zhejiang University; Ph.D., Kansas State University)

Zhang, Zhao, Professor (B.S., Tsinghua University; M.S. Peking Union Medical College; Ph.D., University of Missouri-Rolla)

Zhu, Jinwen, Associate Professor (B.S., Southwest Jiaotong University; M.S., Sichuan University; M.S., Ph.D., University of North Carolina)

ENGLISH AND MODERN LANGUAGES

Adkins, Kaye E., Professor (B.S., Pittsburg State University; M.A., University of Kansas; Ph.D., University of Kansas); *English*

Andrews, Dana, Instructor (B.A., University of Iowa; M.F.A., Texas State University); *English*

Bartels, Cynthia, Instructor (B.A., Southwest Missouri State University; M.A., University of Arkansas); *English*

Bausset Page, Ana M., Assistant Professor (B.A., M.A., Brigham Young University; Ph.D., University of Utah); *Modern Languages*

Bensyl, Stacia L., Professor (B.S.Ed., Northwest Missouri State University; M.A., University College Dublin; Ph.D., University of Nebraska-Lincoln); *English*

Bollinger, Kara, Instructor (B.A., Truman State University; M.A., University of Kansas); *English*

Cadden, Michael J., Professor (B.A., B.A., M.A., Virginia Polytechnic Institute and State University; D.A., Illinois State University); *English*

Castilla-Ortiz, Francisco Eduardo, Assistant Professor (B.A., M.A., Ph.D., University of Utah); *Modern Languages*

Charlton, Michael, Assistant Professor (B.A., M.A., Ph.D., University of Oklahoma); *English*

Church, William, Assistant Professor (B.A., Missouri Western State College; M.A., University of Missouri-Kansas City; Ph.D., University of Kansas); *English*

Crain, Jeanie, Professor (B.A., Berry College; M.A., Ph.D., Purdue University); *English*

Donaher, Patricia, Associate Professor (A.B., Indiana University; M.A., Pittsburg State University; Ph.D., University of Nebraska-Lincoln); *English*

Dockery, Mary, Instructor (B.A., Missouri Western State University; M.F.A., University of Kansas); *English*

Evans, Claudine, Instructor (Bachelor's degree, Universite de Strasbourg; Professional Master's degree, Universite de Strasbourg; Professional Master's degree, Universite de Rouen); *Modern Languages*

Hennessy, Susan, Professor and Chairperson (B.A., Colorado College; M.A., Ph.D., University of Colorado); *Modern Languages*

Jeney, Cynthia, Associate Professor (B.S., Northern Arizona University; M.A., Ph.D., Arizona State University); *English*

Katchen, Meredith Stephen, Instructor (B.A., M.A., California State University-Fresno); *English*

Kunkel, Marianne, Assistant Professor (B.A., Auburn University; M.F.A., University of Florida; Ph.D., University of Nebraska-Lincoln); *English*

Latosi-Sawin, Elizabeth, Professor (B.A., State University of New York at Buffalo; M.A., Ph.D., University of Iowa); *English*

Martens, Susan, Instructor (B.A.E., Wayne State College; M.A., University of South Dakota; Ph.D., University of Nebraska-Lincoln, expected August 2013); *English*
Rivera-Taupier, Miguel, Assistant Professor (B.A., Pontificia Universidad Católica del Perú; M.A., Tulane University; Ph.D., University of Virginia); *Modern Languages*
Roberts, Ian, Professor (B.A., M.A., Ph.D., University of Nebraska-Lincoln); *English*
Siebler, Kay, Associate Professor (B.A., M.A., University of Nebraska-Lincoln; Ph.D., Miami University); *English*
Terriack, Dawn, Instructor (B.A., Allegheny College; M.A., Clarion University of Pennsylvania); *English*
Trout, Brooksie, Instructor (B.A., M.A., Missouri State University); *English*
Weiberg, Kristy, Instructor (B.A., Sam Houston State University; M.Ed., Northwestern Oklahoma State University); *English*

HEALTH, PHYSICAL EDUCATION AND RECREATION

Blessing, Brenda, Professor and Chairperson (B.S., Indiana State University; M.S., Indiana State University; Ph.D., Ohio State University); *Recreation*
Choi, Paul, Assistant Professor (B.A., Yon Sei University; M.S., United States Sports Academy; Ph.D., Oklahoma State University); *Recreation*
Dodd, Regan, Assistant Professor (B.S., M.S.E., Northwest Missouri State University; M.B.A., Baker University; Ph.D., University of Kansas); *Physical Education*
Hardy, Rick, Assistant Professor (B.S., M.S., North Carolina State University; M.S., University of Illinois, Urbana-Champaign; Ph.D., North Carolina State University); *Recreation*
Johnson, Britton, Assistant Professor (B.S., Albion College; M.A., Western Michigan University; Ph.D., Walden University); *Physical Education*
Kraft, Justin, Assistant Professor (B.S., Jamestown College; M.A., University of Northern Colorado; Ph.D., University of Alabama); *Physical Education*
Kriewitz, K. Gregory, Instructor (B.S., M.S., Central Missouri State University); *Physical Education*
Russell, William, Associate Professor (B.A., Cleveland State University; M.S., Ball State University; Ph.D., University of Missouri-Columbia); *Health*

HISTORY AND GEOGRAPHY

Drake, Dawn, Assistant Professor (B.S., Indiana University of Pennsylvania; M.S., University of Delaware; Ph.D., University of Tennessee); *Geography*
Greiert, Steven G., Professor and Chairperson (B.A., St. Olaf College; M.A., Ph.D., Duke University); *History*
Lemanski, S. Jay, Assistant Professor (B.A., Concordia College; M.A., University of Michigan; M.Div., Concordia Seminary; M.A., Ph.D., University of Akron); *History*
Teal, Orion, Assistant Professor (B.A., Reed College; M.A., Ph.D., Duke University); *History*
Trifan, Daniel, Professor (B.A., Fairleigh Dickinson University; M.A., Ph.D., Duke University); *History*

MILITARY SCIENCE

Abel, Juston Wade, MAJ, Instructor (B.S.E., Columbus State College)
Bailey, Michael, CPT, Instructor (B.S., Central Missouri State University)
Cohen, Anthony, SFC, Instructor (B.S., Colorado State University)
McCullagh, Kevin, MAJ, Chairperson (B.S., Norbert College; M.S., Central Michigan University)

MUSIC

Carter, Susan, Assistant Professor (B.M., University of Texas; M.M. Texas Christian University; D.M.A., Texas Tech University)
Edwards, T. Matthew, Professor (B.M., M.M., Bob Jones University; D.M.A., Peabody Conservatory of Music)
Gay, Nathan, Assistant Professor (B.A., Missouri State University, M.M., D.M.A., University of Missouri-Kansas City Conservatory of Music and Dance)

Gilmour, F. Matthew, Professor (B.M., Missouri Valley College; M.M., D.M.A., University of Missouri-Kansas City)
Harrelson, R. Lee, Assistant Professor and Interim Chairperson (B.M., University of Southern Mississippi; D.M.A., M.M., University of Missouri-Kansas City)
Hinton, Jeffrey, Assistant Professor (B.M.E., M.A., Northeast Missouri State University)
Long, Bob, Assistant Professor (B.M.E., M.A., Truman State University; D.M.A., University of Missouri-Kansas City)
May, Nathanael, Assistant Professor (B.M., University of Wisconsin-Whitewater; M.M. University of Rochester; D.M.A., University of Kansas)
McIntire, David, Assistant Professor (B.S., Nazareth College of Rochester; M.M., Ithaca College, M.M., D.M.A., University of Missouri-Kansas City)
McNeela, Rico, Associate Professor (B.M., M.M., University of Michigan)
Rogers, Dennis G., Professor (B.M., M.M., Ph.D., University of Missouri-Kansas City)

NURSING

Baldwin, Julie, Associate Professor (A.S.N., Riverside Community College; B.S.N., California State University-Fullerton; M.S.N., University of Missouri-Kansas City); *Nursing*
Brooks, Evelyn, Professor (B.S.N., Fort Hays State University; M.S.N., Wichita State University; Ph.D., University of Kansas); *Nursing*
Brose, Carolyn H., Associate Professor (B.S., Oklahoma Baptist University; M.S., Ohio State University; Ed.D., University of Kansas); *Nursing*
Campbell, Cristi, Associate Professor (B.S., Missouri Western State College; M.S., University of Missouri; M.S.N., Vanderbilt University School of Nursing; DNP, University of Missouri-Kansas City); *Nursing*
Corder, Stephanie, Associate Professor and Chairperson (B.A., Missouri Western State College; D.N., University of Colorado Health Sciences Center); *Nursing*
Daffron, Jeanne, Professor (A.S., B.S., Missouri Western State College; M.A., University of Missouri-Kansas City; Ph.D., Texas Women's University); *Nursing*
Dolan, Marsha, Professor (A.A., Eastern Wyoming College; B.S., Colorado Women's College; M.B.A., University of Colorado); *Health Informatics & Information Management*
Hardwick, Cosette, Associate Professor (B.S., University of Kansas; DPT, Creighton University); *Physical Therapy Assistant Program*
Harris, Crystal, Associate Professor (Nursing Diploma, Saint Luke's Hospital School of Nursing; B.S.N., William Jewell College; M.S.N., University of Kansas); *Nursing*
Kendall, Heather, Assistant Professor (B.S.N., Missouri Western State University; M.S.N., University of Missouri-Kansas City); *Nursing*
Morsbach, Jill, Assistant Professor (B.S.N., Fort Hays State University; M.S.N., University of Missouri-Kansas City); *Nursing*
O'Connor, Kathleen, Associate Professor (B.S., Creighton University; M.N., University of Kansas; Ph.D., University of Missouri-Kansas City); *Nursing*
Quenstedt-Moe, Gretchen, Assistant Professor (B.S.N., M.S.N., Ph.D., University of Kansas); *Nursing*
Raffensperger, Maureen C., Associate Professor (B.S., University of Nebraska Medical Center; M.S., University of Missouri-Columbia; DPT, Des Moines University); *Physical Therapy Assistant Program*
Stewart, Stephanie, Assistant Professor (B.S.N., Missouri Western State University; M.S.N., University of Phoenix); *Nursing*
Uplinger, Deborah, Associate Professor (A.S., Kishwaukee Community College; A.D.N., R.N., Waabonsee Community College; B.S.N., Northern Illinois University; M.S.N., F.N.P., University of Missouri-Kansas City); *Nursing*
Yeh, Pi-Ming, Assistant Professor (B.S., Taiwan College of Nursing; M.S., Institute of Medicine in Chung-Shan; Ph.D., University of Wisconsin-Milwaukee); *Nursing*

PHILOSOPHY AND RELIGION

Greiert, Steven G., Professor and Chairperson (B.A., St. Olaf College; M.A., Ph.D., Duke University)

Kendig, Catherine, Assistant Professor (B.A., Syracuse University; M.A., American University; M.Sc., King's College London; Ph.D., University of Exeter); *Philosophy*
Kratz Mathies, David, Assistant Professor (B.A., Goshen College; MATS, Associate Mennonite Biblical Seminary; Ph.D., Boston University); *Philosophy and Religion*
Mikkelsen, J. Mark, Professor (B.A., University of Nebraska; M.A., Ph.D., University of Kansas); *Philosophy*
Okapal, James, Associate Professor (B.S., The Ohio State University; M.A., Bowling Green State University; Ph.D., University of Tennessee); *Philosophy*

PSYCHOLOGY

Bargar, James, Professor (B.A., William Jewell College; M.A., Southern Methodist University; Ph.D., University of Missouri-Kansas City)
Cronk, Brian, Professor and Chairperson (B.S., University of Wisconsin-Madison; M.A., Bradley University; Ph.D., University of Wisconsin-Milwaukee)
Deka, Teddi S., Professor (B.S., M.A., Ph.D., Ohio State University)
Elliott, Lisa, Assistant Professor (B.A., University of Arizona; M.A., Ph.D., New Mexico State University)
England, Benjamin, Instructor (B.A., Western Connecticut State University; M.A., Texas Tech University)
Gerhart, Aron, Instructor (B.S., Missouri Western State College; M.S., University of Central Missouri; Ph.D., Capella University, expected 2014)
Henry, Kelly Bouas, Professor (B.S., William Jewell College; M.A., University of Illinois at Urbana-Champaign; Ph.D., University of Illinois at Urbana-Champaign)
Ziemer, Christine, Assistant Professor (B.A., Lawrence University; Ph.D., University of Iowa)

THEATRE AND CINEMA

Henry, Dallas, Assistant Professor (B.A., University of Saint Mary College; M.F.A., Wayne State University)
Lillie, Donald E., Assistant Professor (B.A., M.A., Morehead State University)
Quillin, Tee, Assistant Professor (B.A., University of Alabama; M.F.A., Southern Methodist University)
Stover, Jeff, Assistant Professor (B.A., University of Nevada-Las Vegas; M.F.A., University of Texas at Dallas)
Willenbrink, Robert, Professor (B.A., M.A., Morehead State University; Ph.D., Bowling Green State University)

President Emeriti

McCarthy, Janet Gorman
Scanlon, James

Dean Emeritus

Johnson, Martin A.

Professors Emeriti

Anderson, Jerry, Professor Emeritus of Music
Andresen, William, Professor Emeritus of Biology
Aschermann, Jerry, Professor Emeritus of Education
Atkinson, John, Professor Emeritus of Mathematics
Bishop, George, Professor Emeritus of Computer Science
Boutwell, Richard, Professor Emeritus of Biology
Castellani, Joseph, Professor Emeritus of English
Crumley, Richard, Professor Emeritus of Biology
Edwards, Nancy, Professor Emerita of Education
Eickhorst, William, Emeritus of Art
Erickson, Charles, Professor Emeritus of Health, Physical Education & Recreation
Esry, Cordelia, Professor Emerita of Nursing
Estes, James, Professor Emeritus of Art
Evinger, Lee, Professor Emeritus of Biology
Fields, Mary Jane, Professor Emerita of Education
Flanagan, Frances, Professor Emerita of English
Force, Harry, Professor Emeritus of Biology
Frick, M. Jane, Professor Emerita of English
Galloway, Ruth E., Professor Emerita of English
Gilgun, John, Professor Emeritus of English
Gille, Sue, Professor Emeritus of Nursing
Grechus, James, Professor Emeritus of Health, Physical Education & Recreation
Greene, Bonnie, Professor Emerita of Health, Physical Education and Recreation
Greenwald, Barry, Professor Emeritus of Business
Gregory, Bonnie, Professor Emerita of Nursing
Hansen, Thomas C., Professor Emeritus of Education
Harmon-Miller, Jeannie, Professor Emerita of Art
Haynes, Solon Earl, Professor Emeritus of Education
Heckle, Achsah M., Professor Emeritus of Chemistry
Hinrichs, Susan, Professor Emerita of Computer Science
Hoffmann, Rosemary, Professor Emerita of Foreign Languages
Hughes, John T., Professor Emeritus of Art
John, David, Professor Emeritus of Mathematics
Johnston, Ernest, Professor Emeritus of Physics
Kessler, Frank, Professor Emeritus of Political Science
Lacy, Louise, Professor Emerita of Humanities & Communications
Lambing, Larry, Professor Emeritus of Chemistry
Lawson, Larry, Professor Emeritus of Business
Lee, Kenneth, Professor Emeritus of Mathematics
Long, James L., Professor Emeritus of Physical Education
Mack, William G., Director Emeritus of Bands
Magoon, Michael, Professor Emeritus of Foreign Languages
Mahaffy, Don, Professor Emeritus of Mathematics
Mathews, Michael, Professor Emeritus of Music
McCay, Christa, Professor Emerita of English

Miller, Jill, Professor Emerita of Criminal Justice
Mitchell, Marian, Professor Emerita of Business
Mullican, Julia, Professor Emerita of Psychology
Mullins, C. Phil, Professor Emeritus of Philosophy
Nelson, G. Barry, Professor Emeritus of Engineering Technology
Owen-Roddy, Gloria, Professor Emerita of English
Pilgram, Henry, Professor Emeritus of Social Work
Porr, Richard, Professor Emeritus of Education
Price, Thomas, Professor Emeritus of Music
Radmacher, Sally, Professor Emerita of Psychology
Riemer, Roberta, Professor Emerita of Music
Robbins, Donald, Professor Emeritus of Biology
Roever, Carol, Professor Emerita of Business
Rogers, Marcia, Professor Emerita of Office Information Systems
Rosenauer, Kenneth, Professor Emeritus of English
Rushin, John, Professor Emeritus of Biology
Schmitz, Leo, Professor Emeritus of Mathematics
Schwarz, Richard, Professor Emeritus of Chemistry
Shrout, Ethel H., Professor Emerita of Business
Smith, Russell, Professor Emeritus of Chemistry
Steiniche, David, Professor Emeritus of Political Science
Stutterheim, Keith, Professor Emeritus of Engineering Technology
Thorne, Ann, Professor Emerita of English
Wann, Phil, Professor Emeritus of Psychology
Wilkerson, Jerry, Professor Emeritus of Mathematics
Winston, Diana, Professor Emerita of Education
Wolford, Nannette, Professor Emerita of Health, Physical Education & Recreation
Zweerink, Gerald, Professor Emeritus of Chemistry

Adjunct Faculty

Bertrand, Kay C., Assistant Professor of Medical Technology (B.S., M.A., University of Missouri)
Callaway, Lawrence A., Assistant Professor of Medical Technology (A.B., M.D., University of Missouri-Columbia)
Claussen, Sandra, Assistant Professor of Medical Technology (B.S., Valparaiso University; M.T., Trinity Lutheran Hospital)
Cooper, Jean E., Assistant Professor of Medical Technology (B.S., Central Missouri State University; M.P.A., University of Missouri-Kansas City)
James, Patrick L., Assistant Professor of Medical Technology (B.A., M.D., St. Louis, University)
Johnson, Lucia, Assistant Professor of Medical Technology (B.S., Kansas State University; M.A., University of Missouri-Kansas City)
O’Kell, Richard T., Assistant Professor of Medical Technology (M.D., University of Tennessee)
Rachel, Jane Marnett, Assistant Professor of Medical Technology (B.S., University of Missouri-Kansas City; M.A., University of Kansas)
Zucker, Marjorie, Assistant Professor of Medical Technology (M.B.B.Ch., University of Witwatersand Medical School)

Appendix D: Accreditations & Approvals



Alteration and/or unauthorized use prohibited.

Missouri Western State University is accredited by the Higher Learning Commission (HLC), a member of the North Central Association. For information about HLC Accreditation, contact:

The Higher Learning Commission
30 North La Salle Street, Suite 2400
Chicago, IL 60602-2504
telephone 800-621-7440
www.hlcommission.org

In addition, Missouri Western has earned the following specialized accreditations:

- Association to Advance of Collegiate Schools of Business (AACSB International)- Institutional Accreditation Steven L. Craig School of Business, BS in Business
- American Bar Association (ABA) – Certificate, Legal Assistant; AS, Legal Assistant, BS in Criminal Justice, concentration in Legal Studies; minor in Legal Studies
- Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) - AS, Health Information Technology
- Commission on Accreditation in Physical Therapy Education (CAPTE) - AAS, Physical Therapist Assistant
- Commission on Collegiate Nursing Education (CCNE) - BSN, Nursing; MSN, Nursing
- Council on Social Work Education (CSWE) – BSW, Social Work
- Engineering Technology Accreditation Commission of ABET (ETAC of ABET) - BS, Construction Engineering Technology; BS, Electronics Engineering Technology
- National Accrediting Agency for Clinical Laboratory Science (NAACLS) – Clinical Program in Medical Technology
- National Association of Schools of Music (NASM) – BA, Music; BM, Music; BME, Music
- National Council for Accreditation of Teacher Education (NCATE) – BSE, Elementary Education, BSE, Early Childhood Education; BSE, Art; BSE, English; BME, Music; BSE, French, BSE, Spanish, BSE, Speech and Theatre; Teacher Certification attached to the BS in Biology, Chemistry, Mathematics, Physical Education and Social Science

Curriculum Approval

- American Chemical Society (ACS) – BS , Chemistry

Program Approval

- Missouri State Board of Education with the Department of Elementary and Secondary Education (SBOE/DESE) – Educator Preparation Programs in BSE, Elementary Education, BSE, Early Childhood Education; BSE, Art; BSE, English; BME, Music; BSE, French, BSE, Spanish, BSE, Speech and Theatre; Teacher Certification attached to the BS in Biology, Chemistry, Mathematics, Physical Education and Social Science
- Missouri State Board of Nursing (MSBN) - BSN, Nursing

Campus Locations

Higher Learning Commission approved locations include:

- Missouri Western State University main campus located at 4525 Downs Drive, St. Joseph, MO 64507 (816-271-4200)
- MWSU Northlands campus located at 6364 N Cosby Avenue, Kansas City, MO 64151 (816-746-1001)
- Metropolitan Community College Penn Valley campus located at 3201 South-west Trafficway, Kansas City, MO 64111 (816-271-4100)

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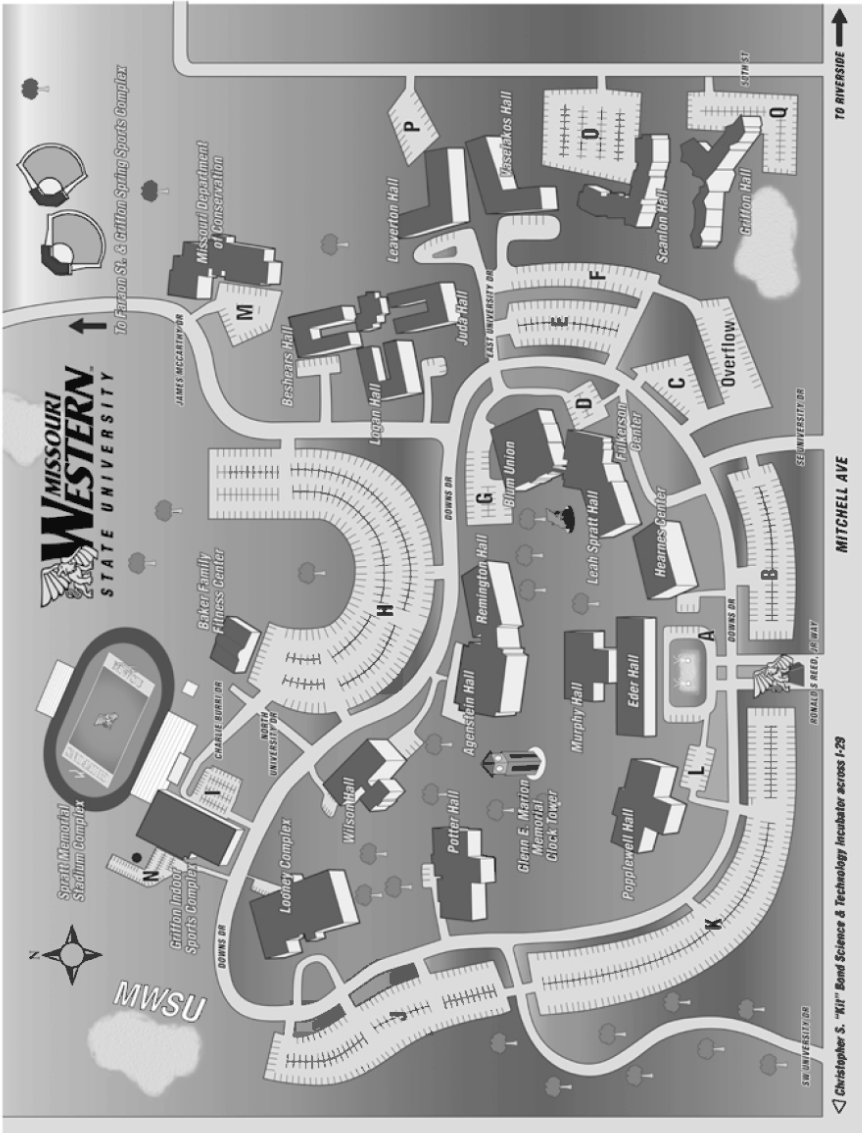
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◁ Christopher S. "Kit" Bond Science & Technology Incubator across I-29

