

# Academic Calendar for 2015-2016

<b>Fall Semester 2015</b>	
Aug. 17-18 Mon.-Tues.	New student orientation
Aug. 17-19 Mon.-Wed.	Faculty workshop
Aug. 19 Wed.	Transfer orientation
Aug. 20 Thurs.	Classes begin
Aug. 26 Wed.	Last day for course enrollment
Aug. 28 Fri.	President's Opening Convocation, 12:00-12:50 p.m.
Sept. 7 Mon.	No classes—Labor Day
Sept. 17 Thurs.	20th day
Sept. 25 Fri.	End of first five weeks
Sept. 29 Tues.	1/2 Assessment Day/1/2 Professional Development Day Down grades due at noon
Oct. 9 Fri.	Honors Convocation, 12:00-12:50 p.m.
Oct. 10 Sat.	Homecoming
Oct. 14 Wed.	Midterm
Oct. 15-18 Thurs.-Sun.	No classes—Fall Break
Oct. 20 Tues.	Midterm grades due at noon
Oct. 27 Tues.	Last day to withdraw from courses without a grade
Nov. 20 Fri.	Convo—Entrepreneurship, 12:00-12:50 p.m.
Nov. 25-29 Wed.-Sun.	Thanksgiving Break
Nov. 30 Mon.	Classes convene at 8 a.m.
Dec. 7-10 Mon.-Thurs.	Final exams for fall semester
Dec. 15 Tues.	Final grades due at noon
<b>Interterm 2016</b>	
Jan. 4 Mon.	Classes begin
Jan. 8 Fri.	Last day to withdraw from courses without a grade
Jan. 18 Mon.	No classes—Martin Luther King, Jr. Day
Jan. 22 Fri.	Final exams for Interterm
Jan. 25 Mon.	Workday for faculty and staff
Jan. 26 Tues.	Final grades for Interterm due at noon
<b>Spring 2016</b>	
Jan. 26 Tues.	Classes begin
Feb. 1 Mon.	Last day for course enrollment
Feb. 26 Fri.	End of first five weeks
Mar. 1 Tues.	Professional Development Afternoon (no 12:30 or 2 p.m. classes) Down grades due at noon
Mar. 11 Fri.	Midterm
Mar. 15 Tues.	Midterm grades due at noon
Mar. 19-27 Sat.-Sun.	No classes—Spring Break (Good Friday is Mar. 25; Easter is Mar. 27)
Mar. 28 Mon.	Classes convene at 8 a.m.
Mar. 29 Tues.	Last day to withdraw from courses without a grade

Mar. 30-Apr. 1 Wed.-Fri.	Enrollment for Juniors and continuing Seniors
Apr. 4-6 Mon.-Wed.	Enrollment for Sophomores
Apr. 7-8, 11 Thurs.-Fri., Mon.	Enrollment for Freshmen
Apr. 29 Fri.	Awards Convocation, 12:00-12:50 p.m. Preliminary senior grades due at noon
May 9-12 Mon.-Thurs.	Final exams for spring semester
May 13 Fri.	All Schools Day Final senior grades due at noon
May 14 Sat.	Commencement rehearsal and group photo
May 15 Sun.	Commencement
May 17 Tues.	Final grades due at noon

## Profile and Character of the College

Founded in 1887, McPherson College is a private, residential, four-year, career-oriented liberal arts college. The college's mission is to develop whole persons through scholarship, participation, and service. This mission leads the college to stress on-campus residency for traditional-age students as a means for encouraging participation and community involvement. The college offers the Bachelor of Arts and Bachelor of Science degrees in 19 academic majors and a Master of Education degree in transformative education. McPherson is a member of the Kansas Collegiate Athletic Conference, competing in seven intercollegiate sports for men and seven intercollegiate sports for women.

Although full-time enrollment has historically averaged little more than 400 students, in recent years, it has hovered at or above 600. The teaching faculty includes 43 full-time professors, more than three-quarters of whom hold terminal degrees. A 14:1 student-faculty ratio offers a personalized education tailored to students' needs. Year in and year out, McPherson College is at or near the top among private Kansas colleges in the diversity of its student body. With 30 percent students of color, 40 percent females, and more than 50 percent of students from out-of-state, McPherson is a vibrant community of learners comprised of rural and urban students and a wide variety of ethnic and faith backgrounds.

McPherson has a reputation for integrating excellent academic programs with career-preparation. The accrediting team that came to campus in December 2014 and extended the college's accreditation through 2024, had special praise for the college's senior capstone curriculum. They wrote: "The Team was very impressed with the Capstone program at McPherson and even more impressed with the diversity of programs and the number of students participating.... The Capstone experience utilized by all programs is excellent." Ninety percent of McPherson College graduates who apply are accepted into graduate and professional schools. The accreditation team was similarly impressed with McPherson's experiential learning curriculum: "Though not as promoted as the Capstone experience," the team wrote, "the internship program of McPherson is impressive." In 2013-14, 84 percent of graduating seniors had completed at least one internship, and 59 percent of the same graduating class had secured jobs before commencement (compared to a national average of 18 percent).

McPherson College is affiliated with the Church of the Brethren but is independent of the denomination and welcomes faculty and students of all faiths. The college values its roots in the church and nurtures them, striving as an institution to model the Brethren values of ethical behavior, non-violence and peace, simple living, and the expression of faith through service. In 2013-14, 98 percent of McPherson College students participated in community service, averaging more than 35 hours of service per student.

## Statement of Mission and Identity

McPherson College is a vibrant community of persons from diverse faiths and cultural backgrounds committed to its mission: *to develop whole persons through scholarship, participation and service.*

Chartered in 1887 by leaders of the Church of the Brethren, McPherson College has a 126-year history of providing excellent career-oriented liberal arts education shaped by the essential values of its founding denomination. The Church of the Brethren is a Christian denomination founded in Germany in 1708. It accepts the New Testament as the rule of faith and emphasizes the inherent value of all persons, the communal discernment of truth, the necessity of putting faith into action, and the biblical calls to simplicity, non-violence, non-conformity and transformation through education. Brethren strive to "continue the work of Jesus – peacefully...simply...together."

McPherson College's programs integrate career guidance and practical experiences into a traditional liberal arts curriculum that upholds the highest

standards of academic excellence. Our goal is to help students discern a vocational call consistent with their gifts and interests and to prepare them for a life of meaningful work.

Community is central to McPherson College. We affirm diversity within the community, emphasizing unity and acceptance rather than judgment and rejection. Because we believe that the pursuit of truth is a collective endeavor, and that the point of scholarly learning is to advance the common good, McPherson College aspires to be a healthy community of learning where whole persons nurture and balance their physical, intellectual, and spiritual components; develop and live in respectful, reciprocal relationships with others; and are committed to responsible service to the world.

**To accomplish our mission, McPherson embraces the ideals of scholarship, participation and service.**

*Scholarship.* All absolute Truth is God's Truth and humankind must labor diligently in the pursuit of truth we can know; thus, McPherson College upholds the highest standards of academic excellence. Faculty strive to teach students to think critically and independently, to communicate clearly and effectively, to integrate knowledge across the disciplines, and to assess the value conflicts in issues. This is done without coercion, letting the evidence lead the search, and with respect for the consciences and value differences of others.

*Participation.* Students apply knowledge, practice skills, and deepen and broaden their understanding of themselves and others through active participation in diverse learning experiences. A smaller community requires greater participation from its members. For these reasons, McPherson College is committed to being a small college and encouraging student participation in a variety of activities.

*Service.* God's love is personified in the life of Jesus who came to serve the world. Through works of peacemaking and compassion, humanity responds to God's love and becomes an instrument of God's servanthood in the world. Therefore, McPherson College emphasizes service to others, encouraging all members of its community to give selflessly of themselves to others.

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## The Campus

The college's 23-acre campus is located in the community of McPherson, in predominantly rural central Kansas. According to the most recent census figures, McPherson County is home to 29,356 people; 23.3 percent of this population is under 18 years of age while 18.7 percent is 65 or older. Ethnic minorities constitute 4.2 percent of the county's population.

The present campus, with its 16 major buildings and 23-acre setting, has matured into an institution of which its founders would be proud. To celebrate its 100th anniversary in 1987-88, McPherson College architecturally redesigned its entire campus, a factor that has improved the quality of living and learning at McPherson College. In the spring of 2000 state-of-the-art theatre and fine arts facilities were added to the instructional facilities, and Melhorn Science Hall opened its doors for fall 2001 classes.

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## Services

### Academic Advising

Academic advising at McPherson College is an intentional relationship between advisor and student as they plan and reach the student's educational, career, and personal goals. Incoming freshmen are assigned a freshman advisor. As part of the freshman seminar program, students interview and select a faculty advisor from an area of academic interest. This advisor will help the student plan a program of study consistent with the student's interests and abilities and oversee the student's progress toward completing the plan of study. The faculty advisor also engages students in exploring their long-range occupational and professional goals and directs the student to resources that will help them confirm and achieve these goals.

### Disability Services

Students with temporary or permanent disabilities are welcome at McPherson College under the regular admissions requirements. These students are urged to inform the college of their disability and special needs prior to their arrival to allow the college ample time to determine necessary resources and accommodations. All buildings are ADA compliant with the exception of Beeghly Hall. Persons needing assistance may notify the Admissions Office or the Director of the Royer Center for Academic Development located on the main floor of Miller Library.

### Career Services

The college recognizes that general life skills such as communication, computation, logical thinking, positive interpersonal relationships, and decision making constitute the major portion of the skills people need to succeed in their careers and in life in general. In collaboration with college faculty and staff, the Career Services Office offers special programs, seminars, and courses that assist students in refining life objectives, career goals, and internships

and in making sound educational choices for achieving those goals and objectives. Seminars and workshops are also offered to help students with preparing their résumés and developing the skills needed to secure employment. For additional information, consult the Career Services Office web page.

## **Royer Center for Academic Development**

The Royer Center for Academic Development, located in Miller Library, serves students who want to learn to study more efficiently. Through individualized study, small group instruction, supplemental instruction or tutoring, students are offered personalized attention while working to improve reading, writing, math, or study skills. All tutoring services, both individual and group, are provided without additional charge.

## **Miller Library**

Miller Library provides library and media services to the students and staff of McPherson College in support of their classroom activities. For more information, consult the Miller Library web page.

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# **Associated Colleges of Central Kansas**

Through McPherson College's affiliation with the Associated Colleges of Central Kansas (ACCK), students can benefit from expanded departmental offerings and special programs at any of the consortium's member colleges.

A library exchange through interlibrary loan makes books and periodicals from any of the colleges available to students (information on the library holdings of the other ACCK colleges is available through the computerized Kansas Library Catalog in the McPherson College library).

Five of the ACCK colleges participate in the January Interterm program, so that students may take a course at another consortium college or may take advantage of field experiences and educational tours in such places as the Middle East, Central America, New York, France, or England.

A limited budget for travel reimbursement is available for individual students who are required by their major department to travel to another ACCK campus for a required course in the major. (Reimbursement does not apply when the course is regularly offered on the McPherson College campus or when the student has not been continuously enrolled as a full-time student.) The institution does not provide a vehicle to the student for ACCK travel. Inquiries about reimbursement for student travel to ACCK courses should be directed to Academic Affairs office.

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# **Accreditation**

McPherson College is accredited by The Higher Learning Commission of the North Central Association of Colleges and Schools (230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411, telephone: 800.621.7440, web address: [www.ncahlc.org](http://www.ncahlc.org)); by the Kansas State Department of Education (120 East 10th Street, Topeka, Kansas 66612); and by the National Council for the Accreditation of Teacher Education. McPherson College is in good standing with all accrediting bodies. In addition, the college is a member of the following:

- American Association of Colleges for Teacher Education
- American Association of Collegiate Registrars and Admissions Officers
- American Library Association
- Associated Colleges of Central Kansas
- Association of Governing Boards
- Association of Teacher Education-Kansas Brethren College Association
- Council for Aid to Education
- Council of Independent Colleges
- Kansas Association of College Teachers of Education
- Kansas Association of Collegiate Registrars and Admissions Officers
- Kansas Association of Private Colleges in Teacher Education
- Kansas Association of Student Financial Aid Administrators
- Kansas Collegiate Athletic Conference
- Kansas Independent College Association
- Kansas Independent College Fund
- Kansas State Department of Education
- McPherson Chamber of Commerce
- McPherson Main Street

- McPherson Ministerial Alliance
  - National Association of College and University Business Officers
  - National Association of College Stores
  - National Association of Colleges and Employers
  - National Association of Independent Colleges and Universities
  - National Association of Intercollegiate Athletics
  - National Association of Student Financial Aid Administrators
  - National Association of Student Personnel Administrators
  - National Council for Accreditation of Teacher Education
  - The Higher Learning Commission - North Central Association
  - Rocky Mountain Association of Student Financial Aid Administrators
  - South Central Kansas Regional Library System
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## Institutional Policies

### Policy of Non-discrimination

McPherson College prohibits discrimination in employment and in educational programs and activities on the basis of actual or perceived race, creed, color, religion, national origin, ancestry, citizenship status, age, disability or handicap, sex, marital status, veteran status, GINA (the Genetic Nondiscrimination Identification Act), sexual orientation, or any other characteristic protected by applicable federal, state, or local laws.

In working to achieve and maintain a welcoming and discrimination-free environment, the college encourages students, faculty, staff, or guests to make complaints and concerns about perceived discriminatory behaviors known to college supervisors and officials.

Without limitation, McPherson College complies with Title IX of the Educational Amendments of 1972, as amended, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, and other applicable laws and related administrative regulations and executive orders.

For inquiries concerning the application of Title IX, Sections 503 and 504, ADA and other nondiscrimination laws please refer to the following:

Students - Dean of Students/Title IX Coordinator at 620-242-0501

Employees - Director of Human Resources 620-242-0454

Guest - Dean of Students/Title IX Coordinator at 620-242-0501 or Director of Human Resources 620-242-0454.

### Disability Accommodations

Students with disabilities are welcome at McPherson College under the regular admissions requirements. For details about accommodations, see Disability Services on the Services page of this catalog.

### Student Right to Know Information

The Student Right-to-Know Act was enacted in 1990 by federal law. The law requires institutions that receive Title IV HEA student financial aid to collect, report and/or disclose a variety of institutional information. For the most up-to-date and complete information, see the Student Right to Know Information web page on the college website.

### Consumer and Disclosure Information

For the most up-to-date and complete consumer and disclosure information, see the Consumer and Disclosure Information web page on the McPherson College website.

### Student Records Policies

Student records are confidential but are open for inspection by the student. Records may also be inspected by parents of financially dependent students. Transcripts must be requested from the registrar's office in writing; other records must be requested in writing from the appropriate dean.

#### Privacy of Student Records

Certain information is considered to be public or directory information while other information is private in nature. Directory information includes a student's name, address, telephone number, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance at McPherson College, degrees and awards received and the most recent previous educational agency or institution attended by the student. A federal law known as the Family Education Rights and Privacy Act of 1974, or

FERPA, gives students and former students the right to inspect, review and copy education records related to them. The only exceptions to this rule are private notes of teachers and administrators, medical records, parents' financial records, confidential recommendations prior to January 1, 1975, and records to which the student has waived the right of access in writing. Students have 10 days following the release of directory information to notify the college that any or all of the information designated should not be released without his/her prior consent. This notice must be given in writing to the office of the dean of students.

Education records and personally identifiable information from those records will not be released without the written consent of the student involved, except to other college personnel, officials of other schools in which the student intends to enroll, authorized state and federal government representatives, or unless it is released in connection with the student's application for financial aid, in response to a judicial order or subpoena, or in the case of a bona fide emergency.

The college maintains with education records of each student a record identifying all persons other than college officials who have requested or obtained access to the records and indicating the legitimate interest of those persons. This record of access is available upon request to the student in question. Finally, all personal information about a student released to a third party will be transferred on the condition that no one else shall have access to it except with the student's consent. A complete list, with location and custodian of all records kept on college students, is obtainable from the dean of students.

Upon request, a record covered by FERPA will be made available within a reasonable time, and in no event later than 45 days after the request. The student should direct the request to the custodian of the records in question. Copies of the record will be made available to the student at the student's expense (usually limited to cost of materials).

A student may also request explanations and interpretations of the records from the official in charge. If the student believes that a particular file contains inaccurate or misleading information or is otherwise inappropriate, the college will afford an opportunity for a hearing to challenge the content of the record. Prior to any formal hearing, the official in charge of the record is authorized to attempt to settle the dispute through informal meetings and discussions with the student.

If the student is not satisfied, he/she may request a hearing. Procedures for such a hearing will be those outlined in the student handbook for all cases coming before the Campus Hearing Board. The student will have the opportunity at the hearing to present any relevant evidence.

### **Academic Record**

A transcript is a student's official record of courses taken and grades earned. The records are kept and maintained by the registrar's office and located in the Student Enrollment Services office. Student records are confidential, but are open for inspection by the student. Inspection of records must be made in writing, with the request being made to the registrar's office for transcripts and to the appropriate dean for other records.

### **Student Development File**

The student development file is maintained in the office of the dean of students. It contains directory information for the student, emergency contact persons, copies of correspondence between the student and the dean's office, a record of any disciplinary action which involved the student, and summary records of student involvements on campus such as work or internship experience and achievements through student organizations. Students who wish to review the contents of their Student Development File should make a written request to the dean of students, who is responsible for maintaining the files. The dean will notify the student when the file is available for inspection within 45 days of the date of request.

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## **Admissions Process**

McPherson College is an ideal place for students to develop as whole persons, to learn, to explore and to grow. Offering a challenging liberal arts foundation, relevant career-oriented majors and broad opportunities for internships in real-life settings, McPherson College provides a nurturing environment in which tomorrow's leaders can discover their life's work and their place in the world. Students who invest in the McPherson College experience will discover success measured in terms of classroom achievement, personal relationships, career opportunities and the enrichment of their entire lives.

Individuals wishing to be considered for admission must submit the following:

- A completed Application for Admission
- An application fee of \$25 (or apply online for free)
- Official copies of all academic transcripts (high school AND college, if applicable)
- Official copy of standardized test scores - Acceptable standardized testing programs are the American College Testing Program (ACT), the Scholastic Aptitude Test (SAT) or the Test of English as a Foreign Language (TOEFL)

McPherson College welcomes all students, regardless of sex, color, creed, disability, sexual orientation or national origin, with equal opportunity for admission. Specific admissions procedures and criteria follows.

## First-time Freshman Applicants

After the completion of the junior year (6th semester) of high school, an official application form should be completed and sent to the Office of Admissions (apply online for free). Applicants must ask their high school guidance counselor to forward a copy of their secondary school record directly to McPherson College. Students' credentials are reviewed as soon as a completed application is received.

Criteria for admission include a state-certified high school transcript or the completion of the GED, corresponding standardized test scores, and appropriate personal qualifications. Recommendations from high school guidance personnel, teachers and pastors may be examined concerning character traits and personal qualifications. We welcome applications from home school applicants. Students with the following admission criteria are more likely to succeed at McPherson College:

- A minimum cumulative high school GPA of 2.0 (3.0 preferred) and
- A minimum ACT composite score of 18 (20 ACT preferred) or
- A minimum SAT score of 860 (combining critical reading and math)

## Transfer Applicants

Criteria for admission include

- An official copy of transcript(s) from all colleges or universities attended demonstrating satisfactory completion of 12 hours of college-level coursework.
- A minimum cumulative college GPA of 2.0

Only academic work from accredited institutions will be accepted at McPherson College. Credit accepted for transfer to McPherson College shall count as hours earned. Hours attempted and grade points achieved will not be transferred. Only courses in which a grade of C or better has been earned will be transferred as credit toward graduation. Consequently, a student's grade point average will be dependent upon courses attempted at McPherson College.

Courses taken at another institution to replace a letter grade in a McPherson College course will not be accepted. McPherson College courses taken as a replacement course will be listed on the student's transcript along with the initial and replacement course grades. Both course grades count toward a student's cumulative GPA.

Applicants with fewer than 12 hours of credit may be required to take the ACT or SAT examination for diagnostic purposes.

Students who transfer to McPherson College during the 2015-16 academic year will be expected to complete the general education requirements as outlined in this catalog. Transfer students holding an associate of arts or associate of science degree may be admitted with all earned credits transferring, and with general education foundation and distribution requirements met provided the student is not working toward teacher licensure. Please refer to the General Education Requirements section.

Transfer students who have earned 64 credit hours may not transfer further two-year college credit. The last 60 hours of the bachelor's degree must be taken at a four-year institution. Credit may be given for the service-training program conducted by the various branches of the Armed Services as recommended by the American Council on Education in "A Guide to the Evaluation of Educational Experiences in the Armed Forces."

## Returning Applicants

Students who have previously attended McPherson College and who have interrupted their McPherson College program for longer than the period of one summer recess must make application for readmission by submitting:

- A completed Reapplication for Admissions
- Copies of academic transcripts from McPherson College and any colleges/universities the student has attended (students must possess a minimum cumulative GPA of 2.0)

## International Applicants

All non-United States citizens who are not permanent residents and who wish to study at McPherson College must complete the International Student Application.

Required Materials for Admission to McPherson College:

- Submission of an Admissions Application
- Official copies of your academic records from all institutions attended. Submit official copies of your records beginning with the first year of elementary school (if possible). For academic work at the secondary level or above, records must include certified copies of supporting documents with English translations and records of activities other than academics since finishing school. All records must include date of entry, termination and the name of certificate/diploma received.

If your academic records can't be translated to English please submit them to one of the credential evaluation services.

**Credential Evaluation Consultants For Review of International Transcripts**

### **American Association of Collegiate Registrars and Admission Officers International Education Services**

One Dupont Circle NW, Suite 520  
Washington DC 20036-113  
Telephone: 202.296.3359  
Fax: 202.822.3910  
Email: ies@aacrao.org  
www.aacrao.org

### **Educational Credential Evaluators, INC**

PO Box 514070  
Milwaukee, WI 53203-3470  
Telephone: 414.289.3400  
Fax: 414.289.3411  
Email: eval@ece.org  
www.ece.org

### **Educational Perspectives**

PO Box 618056  
Chicago, IL 60661-8056  
Telephone: 312.421.9300  
Fax: 312.421.9353  
Email: info@edperspective.org  
www.edperspective.org

### **Josef Silny & Associates, INC**

7101 SW 102<sup>nd</sup> Ave  
Miami, FL 33173  
Telephone: 3005.273.1616  
Fax: 305.273.1338  
Email: info@jsilny.com  
www.jsilny.com

This is done at applicant's expense.

- **Official TOEFL or SAT I score** – A TOEFL or SAT I scores is required of all students whose native language is not English.
  - English proficiency report is to be verified by the results from the Test of English as a Foreign Language (TOEFL). Required TOEFL score for McPherson College is **213 (computer) or 550 (paper-based)**.
  - The SAT can be substituted for the TOEFL with a required score of **860** composite (Reading and Math only). McPherson College SAT code is **#6404**.
  - **Two (2) Letters of Recommendation** (in English)
  - **Affidavit of Sponsor**

### **Once a student is ACCEPTED**

- A letter of Acceptance will be mailed to you
- Please submit your \$150 Enrollment/Housing Deposit

### **I-20 - will be sent ONLY after your \$150 Enrollment/Housing Deposit is received**

The I-20 is mailed to you at your home address. You will use this to obtain an F-1 Visa which will allow you to enter the US to attend McPherson College.

Please work with the Admissions Office to arrange pick-up from the Wichita, KS (ICT) Airport.

## **Automotive Restoration Applicants**

Individuals interested in studying automotive restoration technology must be admitted separately to the program after being admitted to the college. Enrollment in the automotive restoration technology program is limited. To be admitted into the program, an applicant must:

- **Apply to McPherson College.**
- **Prepare and Upload the Following Materials to Slideroom:**

- 1) A brief statement of interest (between 100 – 500 words) describing the applicant's motivation for seeking a bachelor's degree in automotive restoration technology at McPherson College;
- 2) A résumé outlining applicant's education, activities, honors, employment, service and leadership experience where applicable;
- 3) Submit six to 25 images that represent applicant's aptitude for restoring antique automobiles or motorcycles, where applicable. Personal



experience in automotive restoration is beneficial, but examples of an applicant's skills and/or craftsmanship in other areas are acceptable. Images that show a progression of work or that illustrate work in process are particularly meaningful to reviewers. All images should be accompanied by captions. The captions may be included in the images themselves, added to the end of applicant's statement of interest, or uploaded as a separate file.

Submit the aforementioned materials to Slideroom using the following link: <https://mcphersoncollegeautore restoration.slideroom.com>. There is a \$10 fee that must be paid to Slideroom for the use of this service. Once accepted to the college, applicant's materials will be reviewed in their entirety. A decision will be made within three to five business days. Applicants will be notified by email and a letter regarding the outcome of this review.

- Upon acceptance into the automotive restoration program, students must submit a \$250 deposit to reserve their place. The non-refundable deposit will be applied to her/his tuition.
- Early applications are encouraged because the number of students admitted to the program is limited.

## **Bachelor's Degree Completion Applicants**

The requirements to enter this non-traditional program include an associate of arts or associate of science degree or sixty-four (64) college-level credit hours. It is preferred that students have an associate's degree to ensure that the lower-level courses have been completed. As classes are discussion-oriented, preference may be given to students with three to five years of work experience or significant volunteer service experience. Individuals seeking to apply must submit:

- A completed Degree Completion Application for Admission AND
- A \$25 application fee
- Official copies of academic transcripts from all colleges/universities the student has attended (students must possess a minimum cumulative GPA of 2.0)

Only academic work from accredited institutions will be accepted at McPherson College. Credit accepted for transfer to McPherson College shall count as hours earned. Hours attempted and grade points achieved will not be transferred. Only courses in which a grade of C or better has been earned will be transferred as credit toward graduation. Consequently, a student's grade point average will be dependent upon courses attempted at McPherson College.

Students who transfer to McPherson College during the 2015-2016 academic year will be expected to complete the general education requirements as outlined in this catalog. Transfer students holding an associate of arts or associate of science degree may be admitted with all earned credits transferring, and with general education distribution requirements met. Please refer to the General Education section in this catalog.

Transfer students who have achieved 80 semester hours of credit from a community or junior college may not transfer further two-year college credit.

Credit may be given for the service-training program conducted by the various branches of the Armed Services as recommended by the American Council on Education in "A Guide to the Evaluation of Educational Experiences in the Armed Forces."

For more information about the degree completion program and its courses, visit: <http://www.mcpherson.edu/complete/>

## **Mid-year Undergraduate Entrance**

Most baccalaureate degree programs are available to students who wish to start their academic careers second semester. Consequently, each year a number of students enter the college at the beginning of the spring semester. The Admissions Office welcomes inquiries concerning mid-year entrance.

## **Master of Education Applicants**

Individuals wishing to be considered for admission to the graduate program at McPherson College should visit [www.mcpherson.edu/mastersed](http://www.mcpherson.edu/mastersed)

Specifically, applicants should complete the Graduate Courses Applicant Packet, which includes a:

- Official undergraduate transcripts
- Application and signature page
- Contact information for three professional references
- Letter of support from supervisor
- Writing sample

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# **Admissions Policies**

## Notification of Admission

Notification of acceptance is given in writing, usually within one week of completion of the application process.

Students who are admitted through the Admissions Appeal process may receive conditions of enrollment with the acceptance letter. Restrictions for conditionally admitted students continue through the first semester of enrollment. At the completion of the first full semester, the student's academic progress will be evaluated.

Students may be admitted based on partial high school (6th or 7th semester) or college transcripts and exam score reports. However, students must provide FINAL OFFICIAL copies of all academic documentation prior to enrollment:

- High School Transcript - Must include official seal or signature and be sent to McPherson College directly from your school. Transcript should include graduation date, class rank and cumulative GPA.
- College/University Transcript - Must include official seal or signature, include grades for final semester of attendance and be sent directly from the college/ university to McPherson College.
- ACT/SAT Score Reports - Must be sent directly from ACT or the College Board to McPherson College OR have the official ACT/SAT score reported on the official high school transcript.

Students will receive regular reminders from the Office of Admissions identifying information needed to complete the admissions and financial aid record.

## Conditional Admittance

Individuals who do not meet the admissions criteria may be considered for conditional acceptance to McPherson College. The Vice President for Enrollment and the Vice President for Academic Affairs will together evaluate the student's academic history to determine if the student is accepted "conditionally" or denied acceptance. The "conditional" acceptance may include but not limited to the following conditions:

1. Meet with the Vice President for Academic Affairs prior to the start of the semester.
2. Enroll in no more than 12-13 total semester hours during the first semester.
3. Enroll in College Reading/Study Skills - ID109 - 2 hours.
4. Enroll in College Rhetoric - EN110 - 3 hours.
5. Enroll in College Learning Skills - ID100 - 1 hour
6. Meet regularly with your academic advisor as directed by him/her.
7. Make satisfactory academic progress.
8. Complete every course for which you are enrolled earning a grade of "C" or better.
9. Regular class attendance is required.
10. Any unexcused absences may result in academic suspension.
11. Meet with the Director of the Center for Academic Development for an assessment of your academic plans and goals and arranging for any services that may be necessary to assist you in being successful..

Admissions representatives are available to answer questions related to this process. All appeals must be submitted to the Office of Admissions where they will be forwarded to the Enrollment Committee for consideration. Students will be notified in writing of the committee's decision.

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## Student Expenses for 2015-2016

### Regular Charges and Fees for 2015-2016

Tuition	\$ 24,559
Fees	\$ 677
Room	Standard Double Room \$3,528 Harter Hall \$4,830 Baer Apts \$4,830
Board	Standard (305 block) \$4,883 (160 block) \$2,468
Total Charges	Standard \$33,647

**Tuition - Full Time**

\$ 24,559

*Includes twelve (12) to sixteen (16) hours for fall and spring term and four (4) hours in interterm.*

Excess hours over sixteen (16) hours: \$ 250 per hour

**Tuition - Part Time**

1-7 hours: \$ 430 *per hour*

8 to 11 hours: \$ 750 *per hour*

**Tuition - Summer School**

Undergraduate: \$ 430 *per hour*

ACCK Courses: \$ 300 *per hour*

**Room**

Double Room: *(see above)*

*McPherson College is a residential college. All unmarried students age 23 and under not living with their parents live in residence halls.*

*Single rooms may be available at an additional \$800/semester to the double room charge.*

**Board**

305 block: \$ 4,883

160 block: \$ 2,468 *(required for all off-campus athletes and Baer students)*

**General Fee**

\$ 645

*The general fee is assessed to all full-time students to assist in covering the costs associated with student activities, computer support, student life, athletics, and Student Government Association.*

**Student Insurance**

To be determined. Proof of Insurance is needed for student athletes and international students.

**Part-Time Fee**

3-7 hours: \$ 30 *per term*

8-11 hours: \$ 50 *per term*

**Graduate Tuition**

McPherson students: \$ 350 *per hour*

Milwaukee students: \$ 450 *per hour*

## Special Charges and Fees

**Admission**

Enrollment Deposit: \$ 150/\$250 for Automotive Restoration.

*Deposit is refundable before May 1.*

**Records**

Late Payment Arrangement: \$ 100

Each change of schedule: \$ 50 *(drop and add after the first two (2) weeks of term)*

Official Transcript: \$ 8

Returned Check Charge: \$ 30

**Special Classes**

Auditing Courses, per hour: \$ 50

Senior Citizen Audit Fee: \$ 25

*The Vice President for Academic Affairs determines which courses may be audited. Restoration technology, studio art classes, and private music lessons may not be audited. Permission to audit is granted on a space available basis.*

Private Music Lessons: \$ 150 *per semester hour in addition to regular tuition*

Piano rental for Class Piano: \$ 50

Instrument Rental: \$ 50 *per instrument*

Student Teaching: \$ 125 *per semester*

Auto Restoration Fee: \$ 65 *per class*

Maximum for Auto Restoration: \$ 195

Individual & Dual Sport I & II Fee: \$ 25 per class

### **Studio Art Course**

*Art Methods:* \$ 25 per course

*Art History:* \$ 75

*Photo/Jewelry:* \$ 125

*Art Software:* \$ 170

*Graphic Design:* \$ 195

*Graphic Design Sr. Show:* \$ 150

### **Graduation**

Graduation Fee-undergraduate: \$ 75

Graduation Fee-graduate: \$ 100

### **Athletic Insurance**

\$630

## **Payment of Accounts**

After the first two weeks of the semester, full-time students who choose to drop classes and therefore become part-time will not receive a refund or reduction in charges or financial aid. It is possible that a student who withdraws during the refund period will still have an outstanding balance due the college.

## **Refunds**

Students who receive Title IV funds and who withdraw before completing 60 percent of the semester will be required to return unearned Title IV funds in accordance with federal regulations. The same refund policy applies to institutional, state, and outside aid. The percentage of the semester that the student completes is determined by dividing the number of days the student attended by the number of days in the semester. Calendar days are used, but breaks of at least five calendar days are excluded. Tuition, fees, room and board charges will be pro-rated at the same rate. There will be no refunds given after the ninth week of the semester. Bookstore charges, fines, and other personal costs are not pro-rated and are non-refundable.

After the first two weeks of the semester, full-time students who choose to drop classes and therefore become part-time will not receive a refund or reduction in charges or financial aid. It is possible that a student who withdraws during the refund period will still have an outstanding balance due the college.

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## **Financial Aid**

Over 95 percent of McPherson College students receive financial assistance each year from McPherson College scholarships and awards, federal and state programs, work-study programs, and educational loans.

McPherson College has a financial aid awarding policy that considers a variety of factors including academic achievement, participation in co-curricular activities, and financial need. The college's goal is to award enough financial assistance to provide incentive, recognition, and access.

## **Financial Aid Application Process**

To be considered for and receive financial aid, students should take the following steps:

- Submit their Application for Admission and academic transcripts to McPherson College. Students must be admitted to McPherson College in order to be considered for aid.
- Submit the Free Application for Federal Student Aid (FAFSA). McPherson College's priority deadline for FAFSA submissions is March 1 each year. McPherson College's federal school code is 001933.
- Review their Student Aid Report (SAR) and verification documentation to the Financial Aid Office. Students whose Free Application for Federal Student Aid (FAFSA) is selected by the Department of Education for verification must complete the Verification Worksheet (Dependent, Independent) and submit signed copies of the principal pages of their 2009 Federal Income Tax Returns. Dependent students must also submit parents' returns. If supporting schedules are required, the college will ask for them separately.
- Await receipt of their Financial Aid Award Notice, which the college prepares and mails, usually within 3-5 working days after their financial aid record.
- Follow the instructions enclosed with the Financial Aid Award Notice by the date indicated to acknowledge acceptance of awards.
- Complete the required application/promissory note if taking advantage of student loan opportunities.
- Complete entrance interview if borrowing Direct or Perkins loans.

## Financial Aid Calendar

**January 1** – Application process begins. Free Application for Federal Student Aid (FAFSA)

**February 15** – Financial Aid Award Notification begins for current and admitted students only

**March 1** – Priority Deadline for Financial Aid. Offers of aid after this date will be extended only as funds remain available.

**April 1** – FAFSA receipt deadline for Kansas Comprehensive Grant

## Scholarships and Awards

Every student meeting McPherson College's admission standards is eligible for a Merit Award. In addition to the Merit Award, qualifying students may receive additional scholarship assistance based on academic achievement, co-curricular participation, demographic characteristics, leadership qualities, and major areas of interest. A financial aid calculator and detailed information about institutional awards and scholarships are available at [www.mcpherson.edu/admissions/financial-aid](http://www.mcpherson.edu/admissions/financial-aid).

## Endowed Scholarship Funds

The endowed scholarships and loan funds listed below have been established through personal generosity and a desire on the part of the donors to assist future generations of students in attending McPherson College. The college is grateful for these endowed gifts, which provide a permanent expression of love and support for the college and for the students who will benefit from this kindness. No additional scholarship applications are required. These gifts fund the existing McPherson College Scholarship and Grant Program.

### Unrestricted Endowed Scholarship Fund

The McPherson College Endowed Scholarship Fund with no specific restrictions for awarding has been established in memory or honor of the following individuals:

- Walter E. Beery
- Virgil Meyers Berkebile
- Earl Bowman
- R.S. Christensen
- Earl E. Curtis
- Samuel L. Elrod
- Esther Eslinger
- Leland and Pauline Flory
- Oscar and Flora Gish Frantz
- Roy Frantz
- Harry and Marguerite Gilbert
- Raenell Hall
- Ira M. Hoover
- Helen Jacobs
- Ralph and Irene Ramey Johnson
- Edith Keller
- John Giolin Pearson
- Ralph Rindt
- Scott Robinson
- Ray Simmons
- Stucky Family Scholarship
- Dr. Galen M. and Ruth Tice
- Robert George Wolfe
- Worthington Church
- Una Yoder

### Restricted Endowed Scholarships

Scholarship funds with specific restrictions have been established in memory or honor of the following individuals and organizations. These gifts fund the McPherson College Scholarships and Grants that have been awarded to students who meet the criteria as a part of our ongoing scholarship program.

- *Alumni Legacy Scholarship*—For children and grandchildren of alumni
- *John and Elrae Andes Performing Arts Scholarship*—For performing arts major and/or music majors
- *Appel Family Endowment Fund*—For students with financial need
- *Charles and John A. Austin Memorial Scholarship Fund*—For Western Colorado residents
- *Glen Donald Austin Scholarship Fund*—For western Colorado residents with a preference to ethnic minorities
- *Royce and Phyllis Bowman Beam Vocal Music Scholarship*—For performing arts major with preference for vocal music majors
- *Olive Ann Beech Endowed Scholarship*—For Kansas residents with preference to Wichita students

- *Milford and Dorothy Graham Beeghly Endowed Memorial Scholarship*—For Iowa or Northern Plains District residents
- *Pauline L. Bell Memorial Scholarship Fund*—For upperclassmen majoring in music or music education
- *Desmond and Irene Bittinger Scholarship Fund*—Institution acceptable academic standing minimum GPA
- *J.L. and Elva Bowman Scholarship Grant Fund*—For science majors
- *Ira N.H. and Freda E. Brammell Scholarship Fund*—For students demonstrating excellent leadership potential
- *Earl and Margaret Breon Scholarship Fund*—For students with financial need
- *Phil and Clara Breon Scholarship*—For students with financial need
- *Larry Brown Memorial Scholarship*—For athletes majoring in physical education
- *Earl Brubaker Memorial Scholarship Fund*—For students with financial need
- *Edward R. and Judith E. Butler Student Leaders Scholarship*—For students with leadership ability in Student Services positions
- *David V. Campbell Memorial Endowment Scholarship Fund*—For orphaned, handicapped, and underprivileged students
- *John and George Casebeer Scholarship*—For students with financial need
- *Winston Cassler Scholarship Fund*—For students studying music
- *Will Edwin and Olive M. Chisholm Scholarship Fund*—For students with financial need
- *Class of 1953 Endowed Scholarship*—For freshmen with financial need
- *Elizabeth/Ed Brown & Classic Thunderbird Club of South Florida Endowed Scholarship*—For auto restorations students
- *Redell and Barbara Cobb Meritorious Scholarship*—For former students of Canton/Galva High School w/min 3.0 GPA
- *X.L. and Martha Coppock Memorial Scholarship \*\**—For students with financial need
- *Crago Family Endowed Scholarship Fund*—For exchange students who maintain a minimum 2.0 GPA
- *Elmer O. and Velma L. Dalke Endowed Scholarship*—For students with financial need
- *Edith and Harry Darby Foundation Scholarship*—For juniors and seniors
- *Lois E. Dell Scholarship Fund for Women*—For women majoring in business and who have been absent from a college campus
- *Nora Dennison Memorial Scholarship*—For students with financial need
- *Herbert and Lula Detrick Scholarship Fund*—For students with financial need
- *Royer and Edna Dotzour Scholarship Fund*—For Kingman County, Kansas high school graduates with preference to Norwich High School
- *Fred Duesenberg Memorial Scholarship*—For auto restorations students
- *Bernette Marie Denny Eisenbise Educational Scholarship*—For students majoring in education
- *Elliott Family Scholarship*—For students with financial need
- *Franklin and Roberta Brown Evans Memorial Scholarship*—For sophomore and above who demonstrate academic leadership ability
- *F & J Foundation Endowed Scholarship*—For auto restorations students
- *Duane and Ruthia Fike Scholarship \*\**—For students with financial need
- *Glen E. Flory Family Scholarship Fund*—For students with financial need
- *Elizabeth Wagoner Ferror and Jo Wagoner Scholarship*—For Church of the Brethren members
- *Franklin Club/David T. Doman*—For freshmen and sophomore For auto restorations students
- *Earl and Lela Frantz Scholarship Endowment Trust \*\**—For Church of the Brethren members
- *Merlin and Imojean Sheller Frantz Endowed Scholarship Fund*—For students with financial need
- *Ramona R. Fries and Arthur H. Fries Endowed Scholarship \*\**—Consideration to academic merit; students must have and maintain a minimum 3.4 GPA
- *Fred J. and Martha E. Geisert Scholarship*—For Dickinson County, Kansas residents and high school graduates with preference to members and children of members of New Basel United Church of Christ, Abilene
- *Warren and Luella Gish Scholarship Fund*—For students with financial need
- *Adelaide Glaser Scholarship Fund*—For Kansas residents, sophomore and above
- *Raymond "Dutch" and Dorothy L. Goering Scholarship Fund*—For students with financial need
- *Mary Roop Greim Scholarship*—For Missouri residents
- *Forrest and Della Groff Scholarship Fund*—For Church of the Brethren members and Groff family members
- *Edgar and Willa Grossnickle Scholarship Fund*—For Iowa residents with preference to Church of the Brethren members
- *Mable Beyer Grover Scholarship Fund*—For students with financial need
- *William W. Haas Scholarship Fund*—For Dickinson County, Kansas high school graduates
- *Henry & Nellie Krebs Hall Scholarship*—For students with financial need
- *Len and Stella Harden and Joyce Harden Brown Endowed Scholarship Fund*—For junior and senior science, math or premed majors
- *Harrison African-American Academic Scholarship*—For African-American students
- *Dorothy Bryant Hart Endowment Scholarship Fund*—For students with financial need
- *Eugenia D. Hatcher Endowed Memorial Scholarship*—For women
- *Verlin L. and Florence M. Hatfield Scholarship Fund*—For resident students with financial need who demonstrate academic ability
- *Kenneth Haury Memorial Scholarship*—For business or accounting majors
- *Dr. J. Willard Hershey*—For junior and senior science majors
- *Dick and Beverly Hess Fine Arts Endowment Fund*—For fine arts students
- *Dick and Beverly Hess Science Endowment Fund*—For science students
- *Lou Ann Dyck Hess Fine Arts Endowment Fund*—For music students
- *Lou Ann Dyck Hess Science Endowment Fund*—For biology students
- *Sharon and David Hewitt Endowed Scholarship*—For students interested in motorcycle restoration or automotive restoration
- *Della Hoerner Memorial Scholarship Fund*—For students seeking careers in nursing, medicine, or medical technology

- *Phillip J. Hofen Memorial Scholarship*—For Iowa residents
- *Paul and Joanna Hoffman Endowed Scholarship Fund*—For Church of the Brethren students with preference to members from the United States
- *Samuel Hoffman Scholarship Fund \*\**—For students with financial need
- *Holden Family Scholarship*—For students enrolled in automotive restoration technology program
- *Dennis A. Holl Memorial Scholarship*—For Church of the Brethren members interested in industrial arts
- *Royal and Norma Hornbaker Memorial Scholarship Fund*—For students with financial need
- *Alta Gross Ikenberry Memorial Scholarship*—For Idaho or Kansas residents with preference to freshmen
- *Ernest and Olivia Ikenberry Endowed Scholarship Fund \*\**—For students with financial need
- *Insurance Management Association Endowed Scholarship Fund*—For business students
- *Grace Vaniman Ingalls and Roscoe Ingalls Memorial Scholarship*—For students with financial need
- *Barrett-Jackson Auction Co. Brian Jackson Memorial Scholarship*—For auto restorations students
- *Barrett-Jackson Auction Co. Russ Jackson Memorial Scholarship*—For auto restorations students
- *Daniel Palmer Johnson Memorial Scholarship Fund*—For math or science majors
- *Ethel Ward Kindig Memorial Scholarship Fund*—For students interested in Christian ministry or service with preference to Nebraska residents
- *Kinzie Foundation Scholarship*—For juniors and seniors who are Church of the Brethren members
- *Sharon Knechel Memorial Fund for Development of Student Leaders* - established to supplement student services programming
- *John K. and Arlene Flory Kough Memorial Scholarship*—For Church of the Brethren members from Kansas
- *Roy Levi Kreider Scholarship Fund*—For students with financial need
- *Walter and Ruby Kuhn Memorial Scholarship Fund*—For business, computer science, or auto restoration majors
- *William and Mary Lee Endowed Scholarship*—For students with financial need
- *Henry L. and Anna Burkholder Lehman Memorial Scholarship*—For students who demonstrate academic and leadership ability
- *Harry and Minnie Lehman Endowed Scholarship*—For students with financial need
- *Harvey and Ruth Kurtz Lehman Endowed Scholarship*—For students with financial need
- *Leland L. Lengel Memorial Scholarship in History*—For sophomore, junior and senior history majors
- *Henry Lichty Lovett, Dorothy Lichty Vogel, Mr. and Mrs. Glenn A. Lichty, Lucile Lichty West Scholarship Fund*—For students with financial need
- *Allen Long Memorial Scholarship*—For students who plan to study in the physical or natural sciences
- *F.E. and Cora A. Marchand Scholarship Fund*—For Church of the Brethren members
- *Alice B. Martin Scholarship*—For students with financial need
- *Martha C. Martin Scholarship*—For students with financial need
- *Louie Maune Scholarship*—For students with financial need
- *Wallace and Nellie Wagner McDanel Memorial Scholarship Fund \*\**—For Kansas residents and students interested in Christian ministry or service
- *Grace Brunk McGhee Endowed Scholarship Fund*—For students with financial need
- *Josephine Shirar McGonigle Memorial Scholarship Fund*—For students with financial need
- *Ellen McHugh Scholarship*—For students with financial need
- *Delia Chavez McIlwaine Memorial Scholarship Fund*—For music or education majors
- *Dwight McSpadden Memorial Scholarship Fund*—For students involved in the college athletic program
- *Meguiar Family Endowed Scholarship in Automobile Restoration*—For auto restorations students
- *Mark and Katherine J. Ramsey Melhorn Endowed Scholarship*—For McPherson County residents who participate in college athletics with preference to students intending to major in science
- *Samuel B. Merkey Memorial Scholarship Fund \*\**—For students with financial need
- *Burton and Mabel Metzler Scholarship*—For students with financial need
- *David and Doris Metzler Scholarship \*\**—For students enrolled full time preparing for the ministry or Christian service or PK-12 classroom teaching
- *Delma Miller Scholarship*—For Church of the Brethren members
- *Oscar and Vida Miller Scholarship*—For students with financial need
- *Mary Mingenback Scholarship Fund*—For art or music students
- *Edgar and Marie Moats and Roy and Wava Neher Memorial Scholarship/Edna Neher Memorial Scholarship Fund*—For members and friends of Ivester, Iowa, and Osage, Kansas. Churches of the Brethren
- *Alma Anderson Moore Scholarship Fund*—For speech and theatre students
- *Milton and Rebecca Morrison Endowed Scholarship*—For students with financial need
- *David W. and Florence Smith Moyers Memorial Scholarship Fund*—For Church of the Brethren members who demonstrate church leadership potential
- *Carrie Mugler Memorial Scholarship*—For students with financial need
- *Chester and Pearl Crumacker Murrey Scholarship Fund*—For freshmen and first-year transfers with financial need
- *Negley Family Scholarship*—Priority to Church of the Brethren students, then students with financial need
- *Connie Nichols Endowment Scholarship Fund/Ethel McClure Scholarship*—For art majors involved in an extra-curricular or volunteer activity
- *Ray Nonken Memorial Scholarship*—For Kansas residents who participate in athletics
- *Barbara and Bernard Nordling Scholarship Fund/Leland E. Nordling Family Scholarship Fund*—For Kansas residents west of U.S. Highway 81 (excluding Sedgwick County)

- *Pat Noyes Memorial Scholarship*—For upperclassmen involved in men’s basketball
- *Howard and Winifred O’Connor-Keim Scholarship*—For women who will have achieved their 23rd birthday prior to receiving this scholarship
- *Pauline Vaniman Pair Endowed Scholarship Fund for the Fine Arts*—For art, music, theatre majors
- *Paul and Pauline Vaniman Pair Endowed Computer Science Scholarship Fund*—For computer science majors
- *Pebble Beach Concours d’Elegance Scholarship*—For auto restorations students
- *Lila Marie Peckover Memorial Scholarship Fund*—For Church of the Brethren members with preference to Hutchinson, KS church members
- *M.W. and Hallie Goforth Penland Endowment Scholarship Fund*—For students in philosophy/religion, science or education
- *PepsiCola Endowed Scholarship Fund*—For auto restorations students
- *Ernest and Inez Peterson Scholarship*—For juniors and seniors majoring in business or accounting
- *Powell Family Endowed Scholarship in Science and Religion*—For science or religion/philosophy majors with preference to those studying both disciplines
- *A.B. and Vera Prather Scholarship*—For students with financial need
- *Benjamin Quapaw Scholarship \*\**—For Native American students
- *Art Ray Track & Field /Cross Country Scholarship*—Students participating in track and field or cross country
- *Blake Reed Mac2Mac Scholarship Fund*—For McPherson High School football players who plan to attend McPherson College to pursue a degree and participate in the football program or McPherson College football player nominated by coaching staff
- *Kenneth M. Rock Memorial Scholarship*—For student in the upper 25 percent of their high school class
- *Rolls-Royce Foundation Scholarship*—For auto restorations students who demonstrate interest in Rolls-Royce and Bentley cars
- *William D. and Alice Nash Royer Scholarship*—For biology majors
- *Bob Sahl Memorial Scholarship*—For auto restorations students who demonstrate interest in Pre16 automobiles or prewar automobiles
- *Paul and Rowena Vaniman Sargent Business Scholarship*—For business majors
- *Orlin N. Sell Memorial Scholarship Fund*—For students interested in Christian education/ministry
- *Arlene Barley Sheller Memorial Scholarship*—For Iowa Church of the Brethren members with preference to Ivester Church members and friends
- *Dwight Smith Memorial Scholarship*—For students with financial need
- *Delbert and Barbara Smith Cross-Country and Track & Field Endowed Scholarship*—For student who participates in cross-country and/or track and field
- *Paul E. “Gene” Smith Memorial Scholarship*—For junior football player who excelled at athletic performance
- *Paul and Edna Snavelly Scholarship*—For students with financial need
- *Dale Snell Scholarship Fund*—For juniors and seniors studying music
- *The Spear Brothers Endowed Scholarship Fund*—Full-time student enrolled in the auto restoration program
- *Elmer B. and Margaret Rich Staats Scholarship for Public Service*—For students seeking a career in public service
- *Dale and Velma Strickler Scholarship*—For juniors and seniors interested in social work, business or economics
- *Lyle and Florence Forsyth and Merl and Ola Switzer Scholarship Fund*—For students with financial need
- *Trinity Church of the Brethren Scholarship Fund*—For students interested in ministry
- *Bernice McClellan Trostle Scholarship Fund*—For humanities or social science majors with preference to history, then English
- *Raymond H. Trostle Memorial Scholarship Fund*—For science majors with preference to chemistry
- *Victor and Rosalie Ullom Scholarship*—For Colorado residents with financial need
- *Peggy van Asselt/Pam Higgins Scholarship Fund \*\**—Preference to biology/foreign language double majors; biology or foreign language majors
- *Elmer E. Vaniman Memorial Music Scholarship Fund*—For music students with preference to Church of the Brethren members
- *LaVerne M. “Tony” Voshell Athletic Scholarship Fund*—For students involved in football, basketball or track
- *Ernest A. and Eunice Almen Wall and Rollyn E. Wall Endowed Scholarship*—For freshmen
- *John and Bonnie (Martin) Ward Endowed Scholarship* - for McPherson, KS students preparing for a career in teacher education
- *Watkins-Gerhard Scholarship Fund*—For students with financial need
- *Paul and Frances Weaver Endowed Scholarship*—For students pursuing a career in Christian ministry or philosophy/religion students
- *Marvin and Doreen Will Scholarship*—For incoming freshmen majoring in political science, history or both
- *Jacob and Ruth Wise Scholarship*—For students with financial need
- *Irma Cloe Witmore Endowed Scholarship Fund*—For English, communications/journalism, or theatre majors who participate in extra-curricular or volunteer activities
- *Roger and Rita Wittig Scholarship*—For auto restorations students
- *Randy and Sonya Wittig Scholarship*—For auto restorations students
- *Dayton and Hazel Yoder Memorial Endowment*—For students with rural/agricultural backgrounds who support Brethren values with preference to Church of the Brethren members
- *LaVerne and Evelyn Herr York Scholarship*—For students from Dickinson County involved in athletics, or Kansas residents involved in athletics
- *Paul Ziegler Memorial Scholarship Fund*—For students involved with the tennis program
- \*\* Denotes scholarship is not fully funded.

## Work Study and Employment

All students may apply for on-campus jobs, but students qualifying for the Federal College Work Study program are given priority. These jobs include



clerical assistants, maintenance workers, housekeeping, resident assistants, admissions assistants, athletic event staff, etc.

Off-campus employment is usually available to students. The community of McPherson normally enjoys an unemployment rate far below the national average, and there are many requests for part-time student help. The Career Services Offices posts notices of available positions for both on- and off-campus jobs online at [www.mcpherson.edu/careers/opportunities.asp](http://www.mcpherson.edu/careers/opportunities.asp).

## Other Sources Of Financial Assistance

Veteran’s Benefits may be used to attend McPherson College. For information on eligibility and to obtain application materials, students should contact the Veteran’s Administration by phone at 1—888-442-4551 or online at <http://www.gibill.va.gov>.

Local service agencies such as Kiwanis, Rotary, Lions, PEO, AAUW, federated women’s clubs and others have funding available for qualified students. Inquire with these agencies for scholarship forms.

Other forms of financial aid may also be available. Please contact the Financial Aid Office for further information.

# Financial Aid Policies

## Financial Aid Satisfactory Academic Progress Policy

To be eligible for financial aid, a student must make satisfactory academic progress. Academic progress is reviewed at the end of fall and spring semesters. Progress is based on the chart below.

### First-time freshmen

Satisfactory academic progress is based on attempted hours, including all postsecondary coursework attempted. This includes failed coursework, coursework graded as incomplete and withdrawn coursework. Repeated coursework is included in the attempted hours but is included in the graded hours only the last time the course is taken.

### Transfer students

A qualitative assessment is based on coursework accepted by McPherson College, and the accepted coursework is shown in both attempted and completed hours. Failed coursework, coursework graded as incomplete and withdrawn coursework are included in attempted hours. Repeated coursework is included in the attempted hours, but is included in the graded hours only the last time the course is taken. A quantitative assessment is based on residential cumulative grade point average.

The maximum timeframe for completing a degree is 186 credit hours. The timeframe may be extended if necessary for students who have changed majors. An appeal will be required for this extension.

SATISFACTORY ACADEMIC PROGRESS:		
	Quantitative	Qualitative
<i>Hours attempted</i>	<i>cumulative GPA</i>	<i>hours earned / hours attempted</i>
0 -15.0	1.50	50.0
16.0 - 31.0	1.60	60.0
32.0 - 46.0	1.70	62.0
47.0 - 62.0	1.80	67.0
63.0 - 77.0	1.85	67.0
78.0 - 93.0	1.90	69.0
94.0 - 108.0	1.95	71.0
109.0 - 124.0	Greater than or equal to 2.00	74.0
125.0 - 139.0	Greater than or equal to 2.00	77.0
140.0 - 186.0	Greater than or equal to 2.00	83.0

Students are evaluated at the end of each payment period. A student who fails to meet the quantitative or qualitative measures may not be eligible for Federal, State, and institutional financial aid. A student may fall into one of the following categories: **Warning** or **Suspension**.

- a. **Warning** – Students who do not achieve one or more of the academic criteria in any given semester/term are put on warning. The student is sent notification stating the policy and the consequences of a consecutive term below standards.
- b. **Suspension** – Students who do not achieve one or more academic criteria for a second consecutive semester are put on suspension. They are notified that their aid has been suspended and given the choice to appeal, explaining any unusual circumstances that prevented them from making academic progress. If the student chooses not to appeal, financial aid is withheld for the next payment period. If the student appeals, there are several options.
  - i. **Probation** – If it is mathematically possible and probable that the student can meet satisfactory academic progress in one term and the student has an unusual circumstance, the student can be put on probation and given one term to fix the issue. If the student achieves the required GPA and/or pass rate, the student continues in good standing. If the student fails to meet the minimum requirements, the student is immediately put back on suspension. Students may appeal again if there are reasons for the lack academic progress other than those cited in the original appeal).
  - ii. **Plan** – if it is not mathematically possible or is improbable that a student can achieve good standing in one term, McPherson College may choose to put the student on a multiple-term academic plan. The plan will utilize the SAP levels and a set number of credit hours per semester to get the student back into good standing. If the student meets the semester/term achievements but still lacks the cumulative requirements, the student is not put back on suspension but allowed to continue on their plan. If the student meets good standing sooner than planned, the student is put back in good standing. If the student does not meet any part of the semester/term plan, the student is put back on suspension and given the option to appeal only if there are circumstances other than those cited in the original appeal that explain the lack of academic progress.

## Appeals

To appeal the student must complete an appeal form and submit a transcript. If the appeal is approved the student will be on financial aid probation for a semester. At the end of the semester another review will be completed. If the student does not meet the standards again they will not be eligible for financial aid. The student may appeal to have their financial aid reinstated however the explanation cannot be the same as the first appeal. The student has the option of being placed on an academic plan.

## Academic Plans

An academic plan outlines requirements a student must make for a period of time. The academic plan may cover several semesters. The academic plan will be reviewed at the end of the fall and spring semesters. If the student is meeting the requirements of the academic plan the student will remain eligible for financial aid. If the student is not meeting the requirements financial aid will be revoked, but the student will have an option to appeal.

## Code of Conduct Regarding Student Loans

Students or parents may borrow from the lending institution(s) of their choice based on the criteria that they believe is most relevant and important to their situation. McPherson College does not make lender recommendations; however, upon request, the college will make available a list of the 5-10 lenders selected most often by students and parents in past years.

- MC does not have any revenue sharing arrangements with any lenders.
- MC and its employees do not accept any gifts from lenders, other than gifts of de minimis value such as coffee mugs, pens, holiday foods, etc.
- MC employees may not accept travel expense reimbursement, lodging, or compensation from lenders.
- MC does not use employees of lenders to represent the College in connection with financial aid matters and we do not give permission for employees of lenders to represent themselves as employees of MC.

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## Bachelor's Degrees

Bachelor's degrees are awarded in 21 majors. Most majors include a variety of emphases from which to choose as well as licensure programs that qualify students for a career in education. Please see the departmental curricula later in this catalog for complete descriptions of the emphases and licensure tracks available within each major.

## Major Requirements

A major consists of no fewer than 32 and no more than 62 semester hours, including all required courses for the major, regardless of prefix. Hybrid or interdisciplinary majors are exempt from the 62-hour cap. A hybrid major is defined as a major that requires at least 20 hours from each of two different departments. Departmental or program requirements for specific courses, field experiences, or comprehensive tests must be met. Those requirements are specified along with the departmental curricula.

## Minors

A minor typically consists of a minimum of 18 credit hours of study within a particular academic discipline. Minors are available in biology, business administration, chemistry, communication, information technology, English, graphic design, history, international business, mathematics, Spanish, Performing arts, philosophy and religion, psychology, sociology, technology, and transformative entrepreneurship. Requirements for the minors in each of these areas are specified in the departmental sections of this catalog.

## Bachelor of Arts Degrees

One hundred twenty-four (124) academic credit hours are required for the B.A. degree. A Bachelor of Arts degree may be obtained for the following majors:

- Communication
- English
- History
- Performing Arts
- Philosophy and Religion
- Spanish
- Visual Arts

Students completing one of the above majors who want a Bachelor of Science degree must take eight additional hours in a B.S. major beyond the general education requirements in that area.

## Bachelor of Science Degrees

One hundred twenty-four (124) academic credit hours are required for the B.S. degree. A Bachelor of Science degree may be obtained for the following majors:

- Biology
- Biochemistry
- Business Administration
- Business Management
- Chemistry
- Information Technology (Dormant)
- Elementary Education (including Special Education licensure)
- Environmental Stewardship
- History and Political Science
- Mathematics
- Physical Education & Health
- Psychology
- Sociology
- Technology (including Auto Restoration)

Students completing one of the above majors who want a Bachelor of Arts degree must take two semesters of a single second human language.

## Interdisciplinary Bachelor's Degree Programs

Interdisciplinary programs allow students to combine courses from different departments or divisions into one major.

Interdisciplinary programs may be initiated by either faculty members or students. In all cases the following guidelines must be followed:

- An interdisciplinary major shall consist of a minimum of 44 semester hours.
- The instructors supervising the program must come from two or more departments.
- The courses central to the program must come from two or more departments.
- The program must be approved by the Educational Policies Committee no later than the second semester of the junior year.

When faculty initiate the program, two or more instructors from the appropriate departments plan the interdisciplinary concentration and submit the proposal the Educational Policies Committee following the guidelines available from the registrar's office.

An approved, faculty-initiated interdisciplinary program is Environmental Stewardship.

A student may, in consultation with a faculty advisor, propose a previously un-established interdisciplinary program. The chairs of each department represented in the interdisciplinary program must approve the proposal. The proposal is submitted to the Educational Policies Committee according to the guidelines available in the registrar's office. The student and a faculty advisor must present the proposal to EPC in person to explain and defend its academic integrity.

The following are actual examples of student-initiated interdisciplinary majors that have been approved by Educational Policies Committee and completed

by recent graduates of McPherson College. They are listed here to illustrate the possibilities students may explore.

- Family Life and Human Development
- Pre-Nursing and Human Behavior
- Sports Management
- Bioethics/International Studies/Political Science.

## Requirements for a Bachelor's Degree

- A minimum of 124 credit hours.
- Fulfillment of the major program requirements.
- Fulfillment of general education requirements, or completion of an Associate of Arts degree at an accredited institution.
- A minimum, overall residential GPA of 2.0.
- A minimum, residential GPA of 2.0 in the major.
- A minimum of 32 credit hours completed at McPherson College.
- Twenty of the last 30 or 40 of the last 60 credit hours completed at McPherson College.
- A minimum of 8 hours of the major completed at McPherson College.
- The last 60 credit hours completed at a four-year college or university.
- No more than 64 credit hours from two-year institutions counted toward the degree.
- At least six hours outside the home department of the major, in addition to the major and general education requirements. (Students with more than one major automatically meet this requirement. Students with a hybrid major must complete at least six hours outside both home departments of the major.)
- Approval by majority vote of Faculty Meeting.

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## Master of Education Degree

Thirty-five (35) academic credit hours are required for the M.Ed. degree. The M.Ed. is currently offered with an emphasis in Transformative Education.

### Requirements for a Master's Degree

- A minimum of 35 credit hours.
- Completion of the prescribed core curriculum, plus no fewer than five credit hours of electives.
- Approval by majority vote of Faculty Meeting.

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## Transformative Entrepreneurship Minor

As a career-orient liberal arts college, McPherson College integrates the entrepreneurial spirit and mindset throughout its curriculum. Students who want to more intentionally develop their own entrepreneurial skills and through processes can complete the minor in Transformative Entrepreneurship.

The Transformative Entrepreneurship minor helps students better understand the risks and processes involved in beginning an entrepreneurial venture. McPherson College's minor is transformative in the sense that students who engage in future entrepreneurial ventures will make an impact and transform the world in some way.

McPherson College faculty have defined entrepreneurship as follows:

*Entrepreneurship is the creative process of developing sustainable, innovative ventures that solve problems and meet the needs of the greater community. Balancing opportunity and risk, the entrepreneur manages resources and constructs solutions that benefit both self and society.*  
(Approved by faculty 2/3/11)

Transformative Entrepreneurship at McPherson College has a strong liberal arts emphasis. Students take three core courses specific to entrepreneurship and three courses from across at least two divisions that will enhance their knowledge and/or skill in entrepreneurial endeavors.

- Students who complete a minor in transformative entrepreneurship will be able to:
- Articulate the definition of transformative entrepreneurship
- Articulate the roles that entrepreneurs have played in history
- Identify and analyze opportunities and their related risks
- Demonstrate creative processes required to develop entrepreneurial ventures

- Determine their talents and role in effective teamwork
- Demonstrate skill in project management and resource utilization
- Demonstrate the process of resource acquisition through networking
- Illustrate the interplay of economics and social change
- Illustrate responsibility to a greater society

## Transformative Entrepreneurship Curriculum

To complete the minor, students will complete the following three courses:

- ET101 Creativity and Innovation for Transformation – 3 credit hours
- G-ET201 Entrepreneurship on the Horizon – 3 credit hours
- ET301/BA235 The Entrepreneur at Work – 3 credit hours

Additionally, students will select nine hours from the following courses. Students may choose one class from within her/his major coursework area. One class must be selected from outside the division where her/his major is housed.

### Humanities

- AR230 Graphic Design I
- AR340 Web-based Design
- CM130 Interpersonal Communication
- CM135 Journalism
- CM140 Public Speaking
- CM210 Multimedia Storytelling
- CM218 Bus. & Prof. Communication
- G-CM221 Intercultural Communication
- CM310 Public Relations
- CM325 Conflict Communication
- CM330 Persuasion
- EN313 Adv. Expository Writing
- PA215 Sem & Practica in Perf. & Prod.
- G-PR104 Ethics
- PR304 Brethren Hist. & Tht.
- PA215 Sem & Practica in Perf. & Prod.

### Science & Technology

- NS415 Environmental Ethics
- TE301 Materials and Processes
- G-TE333 Technology & Society

### Social Sciences

- BI325 Human Ecology
- PY405 Personality Theories
- SO206 Social Problems
- SO260 Intro. to Human Services

## Transformative Entrepreneurship Course Descriptions

### ET101 Creativity & Innovation for Transformation

*3 hours*

Interactive seminar introduces students to readings and processes from various disciplines that elucidate the interdisciplinary nature of creativity and enable students to create conditions that stimulate it. Projects and assignments are designed to encourage a “critical creativity” that challenges participants through inquiry, multi-faceted exploration and strategic development. Topics examined through writing and design assignments, group projects, and discussions include consciousness, receptivity, risk, ethics, self agency, and social engagement with the express objective of fostering creative potential and its application in all areas of experience.

### G-ET201 Entrepreneurship on the Horizon

*3 hours*

Addresses the challenges of creating and sustaining organizations in today’s global environment. Provides an overview of the role and importance of entrepreneurship in the global economy and in society. Examines how individuals use entrepreneurial skills to craft innovative responses to societal needs.

### **ET301 The Entrepreneur at Work**

*3 hours*

Explores the process of managing and growing the entrepreneurial venture. The course is designed to provide exposure to topics critical to the success of the venture in startup and early growth: business planning; growth management and strategic planning; marketing and financial strategies; exit strategies; and different modes of venturing, such as franchising, venture acquisition, and technology licensing.

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## **Pre-Professional Programs**

### **Law**

All accredited law schools require a four-year bachelor's degree for admission. The general program of the pre-law student should be planned with this fact in mind. The pre-law student, even more than other students, should be broadly versed in languages, literature, philosophy, history, religion and other traditional liberal arts. Although the pre-law student may choose a major in any field, a strong knowledge of history and economics is essential. The B.S. in History & Political Science emphasis is recommended for the pre-law student. The student should counsel with the pre-law advisor or with the heads of the departments of economics and history.

Law schools differ in admissions requirements, but the following course suggestions are representative of what a student interested in law should take in addition to the major.

BA 315 Legal Environment of Business 3 hours  
G-HI 201 U.S. History to 1865 3 hours  
G-HI 202 U.S. History since 1865 3 hours  
PS 356 American Diplomacy 3 hours  
G-PS 102 U.S. Government 3 hours  
\*G-PR 104 Ethics 3 hours  
PY 308 Counseling 3 hours  
SO 206 Social Problems 3 hours  
\*CM 130 Interpersonal Communication 3 hours  
CM 140 Public Speaking 3 hours  
G-PR 201 Introduction to Philosophy 4 hours

### **Medicine, Osteopathy, or Dentistry**

Students who prepare for application to medical, osteopathic or dental school should complete a baccalaureate degree in any field. The recommended degrees are biology or biochemistry, which provides the best collection of courses suggested by most medical or health professional schools. The required courses include a minimum of the following:

G-BI 111	College Biology I	4 hours
BI 112	College Biology II	4 hours
G-CH 111	College Chemistry I	5 hours
CH 112	College Chemistry II	5 hours
CH 251	Organic Chemistry I	5 hours
CH 252	Organic Chemistry II	5 hours
BI 310	Statistical Data Analysis	4 hours
G-PH 215	General Physics I	4 hours
PH 216	General Physics II	4 hours

Other advanced courses recommended include:

BI 225 Human Anatomy  
BI 315 Human Physiology

BI 325 Human Ecology, Epidemiology and Public Health

BI 360 Cell Physiology

BI 364 Cell and Molecular Biology

CH 370 Biochemistry

A faculty member of the natural science department serves as pre-health advisor and should be consulted when planning a program to meet a specific school's admission requirements.

## Physical Therapy, Physician Assistant

A transition is under way in the physical therapy and physician assistant fields from training that culminates in a master's degree to programs that grant the master's or doctoral degree. Therefore, pre-physical therapy and pre-physician assistant students should first complete a baccalaureate degree at McPherson College. The recommended major is biology, which provides the best collection of courses suggested by most health professional schools. The recommended courses include a minimum of the following:

G-BI 111 College Biology I 4 hours

BI 112 College Biology II 4 hours

BI 225 Human Anatomy 4 hours

BI 315 Human Physiology 4 hours

G-CH 111 College Chemistry I 5 hours

CH 112 College Chemistry II 5 hours

G-PH 215 General Physics I 4 hours

PH 216 General Physics II 4 hours

BI 310 Statistical Data Analysis 4 hours

A faculty member of the natural science department serves as pre-health advisor and should be consulted when planning a program to meet a specific school's admission requirements.

## Nursing

McPherson College has prepared many students for entrance into professional nursing programs. Nursing education varies greatly, from nine-month L.P.N. programs to two-year B.S.N. programs to even more rigorous master's or M.S.N. programs. Therefore, it is impossible to outline a generic program to prepare all pre-nursing students for these various programs. Pre-nursing students should identify what type of professional program they aspire to and then meet with McPherson College's pre-health advisor to develop a plan for completing the admission requirements of that program.

## Optometry, Podiatry

Three years of college are the minimum requirement to be considered for admission to optometry or podiatry school; however, the vast majority of students admitted have completed a college degree, majoring in one of the sciences. The recommended degree at McPherson College is biology, which provides the best collection of courses suggested by most health professional schools. The basic admission requirements in the sciences may usually be met with the following courses:

G-BI 111 College Biology I 4 hours

BI 112 College Biology II 4 hours

G-CH 111 College Chemistry I 5 hours

CH 112 College Chemistry II 5 hours

CH 251 Organic Chemistry I 5 hours

CH 252 Organic Chemistry II 5 hours

BI 310 Statistical Data Analysis 4 hours

G-PH 215 General Physics I 4 hours

PH 216 General Physics II 4 hours

Other advanced courses recommended include:

BI 225 Human Anatomy

BI 234 Microbiology

BI 315 Human Physiology

CH 370 Biochemistry

A faculty member of the natural science department serves as pre-health advisor and should be consulted when planning a program to meet a specific school's admission requirements.

## Pharmacy

Students preparing for a career in pharmacy may attend McPherson College for at least two years during which the following courses must be taken: 20 hours chemistry, 16 hours biology, four hours mathematics, four hours physics, and 16 hours English, economics, and other electives in the social sciences and humanities. A faculty member of the natural science department serves as pre-health advisor and should be consulted when planning a program to meet a specific school's admission requirements.

## Social Work

McPherson College has well prepared its students majoring in the Behavioral Sciences for entrance into Master of Social Work (M.S.W.) degree programs. The pre-professional program at McPherson College commits itself to fostering student learning in career-oriented liberal arts so that students are prepared for community service and/or graduate study in social work. Students who have acquired knowledge and skills requisite for entry into the field of social services and graduate social work education demonstrate proficient knowledge, understanding, and application of psychological and sociological theories and concepts.

All accredited graduate programs in social work require a four year bachelor's degree for admission. The pre-social work student should plan the liberal arts program to include courses in arts and humanities, social and behavioral sciences, and biological sciences. Although the pre-social work student may choose a major in any field, a strong knowledge of human services, personality theory, counseling, and social problems is strongly recommended. The B.S. in psychology or sociology, with the health and human services emphasis is recommended.

M.S.W. programs require evidence of relevant paid/volunteer work experience related to human services organizations. The pre-social work student should therefore be prepared to complete at least one one internship or field experience related to community/social services. (The College's Career Connections program is highly recommended.)

The M.S.W. Degree prepares graduates for advances social work practices in one of three areas—*clinical social practice* with individuals, families, and groups; *social work administration/community* practice aimed at social service administration and social policy development; and school social work. With such diverse professional practice concentrations, it is difficult to outline a generic program to prepare all pre-social work students for admission to these practice areas. Students should counsel with the pre-social work advisor to help them identify the type of professional program they are considering, and to assist them in developing a plan for completing the graduate admission requirements of that program. internship or field.

Although M.S.W. programs differ in admissions requirements, the following courses, in addition to the major, are recommended for students interested in entering the social work profession at the graduate level:

PY 405 Personality Theories 3 hours

PY/SO 308 Counseling 3 hours

SO 206 Social Problems 3-4 hours

Courses in the Health & Human Services Emphasis:

SO 260	Introduction to Human Services	3 hours
SO 365	Social Work in American Society	3 hours
PY 430	Health Psychology	3 hours
SO 470	Social Gerontology	3 hours

PY/SO 388 Career Connections 1-12 hours

PY/SO 295/495 Field Experience 1-4 hours



## Veterinary Medicine

At least two years of college are required to be considered for admission into a college of veterinary medicine; however, the vast majority of students admitted have completed a college degree, majoring in one of the sciences. The pre- veterinary medicine student will plan an appropriate course of study with the help of a faculty advisor. Courses are selected to meet requirements of the specific college of veterinary medicine to which the student plans to apply. The following courses are representative of those required by colleges of veterinary medicine for students seeking admission:

G-BI 111	College Biology I	4 hours
BI 112	College Biology II	4 hours
BI 234	Microbiology	4 hours
BI 383	Genetics	4 hours
G-CH 111	College Chemistry I	5 hours
CH 112	College Chemistry II	5 hours
CH 251	Organic Chemistry I	5 hours
CH 252	Organic Chemistry II	5 hours
CH 370	Biochemistry	4 hours
G-EN 110, G-EN 111	College Rhetoric	6 hours
G-PH 215	General Physics I	4 hours
PH 216	General Physics II	4 hours

It is common for pre-veterinary medicine students to complete the bachelor of science degree before applying for admittance to veterinary school. A student electing to do so should pursue one of the programs at McPherson College that lead to a major in biology, chemistry, or biochemistry.

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## The Chicago Center

McPherson College students interested in exploring the vital issues facing American cities have the opportunity to participate in The Chicago Center programs. Combining classroom study with action-based internships, The Chicago Center lives up to its motto: "Chicago is our classroom." For an interterm or a semester, students receive McPherson College credit hours while they live, study and work in one of the United State's most exciting urban environments.

The Chicago Center's emphasis on "hands-on" experience helps students deepen their understanding of America's economic and political structures, race and gender relations, and the role of the arts in community and social discourse. The direct link between the classroom and the internship increases student understanding of the practical work world outside the college campus. In addition to the academic coursework, the Center provides both housing and orientation training. The latter includes practical instruction in a variety of "city smart" skills ranging from basic street safety to using the city transit system.

The Chicago Center is open to students from any field of study and internships are available in a wide range of discipline areas.

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## International Study

Opportunities to live and study outside the United States are available to McPherson College students. One of the programs many students take advantage of is the BCA program. McPherson College cooperates with Bridgewater College (Va.), Elizabethtown College (Penn.), Juniata College (Penn.), Manchester College (Ind.), and the University of LaVerne (Calif.) in the BCA program, which offers a year or semester of study for qualified college students at the following locations:

Athens, Greece  
Barcelona, Spain  
Brussels, Belgium

Cheltenham, England  
Cochin, India  
Dalian, China  
Derry, Northern Ireland  
Dunedin, New Zealand  
Galway, Ireland  
Marburg, Germany  
Nancy, France  
Pinar del Rio, Cuba  
Quito, Ecuador  
Sapporo, Japan  
Strasbourg, France  
Sydney, Australia  
Szombathely, Hungary  
Xalapa, Mexico

One-semester programs (both fall and spring) for sophomores, juniors or seniors are offered at all the above locations, with the exception of Marburg, Germany, which has no sophomore program.

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## 4-1-4 Academic Calendar

McPherson College structures its academic terms on the 4-1-4 academic model; that is, the fall and spring semesters take place during four-month periods (roughly, late August through early December and late January through early May) with a one-month intervening term referred to as January Interterm. During the January Interterm, students take only one course.

Because most students average around 14 hours per semester during the fall and spring terms, and because students must complete no fewer than 124 credit hours to graduate (an average of 31 credit hours per year), most students need to enroll for Interterm classes each year in order to graduate in four years. Students should plan carefully and review their progress toward graduation with their faculty advisor or the registrar before choosing not to enroll for a January Interterm.

### May Session

McPherson College also offers an intensive, two-week May Session immediately following Commencement ceremonies. Students can enroll in only one course during the May Session. The May Session is an opportunity to make up for a missed Interterm or to pick up additional credit hours toward early graduation. May Session offerings are announced before the end of the fall semester. Like all courses at McPherson College, May Session classes must make minimum enrollment requirements. Those classes not making minimum enrollments will be canceled.

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## Definition of Credit Hour

For each hour of academic credit, a student should expect to spend 50 minutes per week in class over the course of a 14-week semester, 50 minutes per day over the course of a 14-day Interterm session, or 70 minutes per day over the course of a 10-day May Session. For each credit hour, students should expect to spend approximately 2-3 hours outside of class for preparation and completion of assignments.

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## Student Course Load

Undergraduate students must be enrolled for a minimum of 12 credit hours to be classified as a full-time student for the fall or spring semesters. During the January Interterm, the normal full-time load is 3-4 credit hours. Graduate students must be enrolled in a minimum of six credit hours to be classified as a full-time student for fall or spring semesters.

Students may enroll in courses above 16 hours under the following conditions:

- 17 hrs. Requires minimum residential GPA of 3.0 and approval of faculty advisor
- 18-19 hrs. Requires minimum residential GPA of 3.5 and approval of faculty advisor
- 20 + hrs. Requires minimum residential GPA of 3.5 and overload approval form

All credits the student takes over 16 credit hours will be charged the overload fee specified in this catalog under Regular Charges and Fees.

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## Freshman and Transfer Enrollment

McPherson College hosts a number of enrollment days during the spring and summer for the upcoming academic year. First-time freshmen and transfer students are encouraged to attend one of these opportunities to meet with a faculty advisor and register for classes. New students who are unable to attend an enrollment day will be advised of times when they may make individual appointments with the registrar to register for classes by telephone.

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## Returning Student Enrollment

Enrollment periods are scheduled each spring when returning students can enroll by classification. Upperclassmen receive priority and enroll first, followed by sophomores and then freshmen. These enrollment period dates are published in the Academic Calendar.

It is important that students—especially juniors and returning seniors—enroll during the dates set aside for their class. Students who neglect to register during the enrollment period risk losing their seats in classes they may be required to take in order to graduate on schedule. Students who fail to enroll during their appointed enrollment period cannot be guaranteed a seat in courses filled by students who met enrollment deadlines.

Students with outstanding balances in excess of \$1,500 will not be allowed to enroll for the following semester. Past due balances may result in dismissal from the college and may be placed for collection.

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## Student Classification

To be eligible to enroll in courses open to members of that class, a returning student must have earned hours toward a degree as listed:

Freshman	1-25 credit hours earned
Sophomore	26-56 credit hours earned
Junior	57-89 credit hours earned
Senior	90+ credit hours earned

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## Waiting Lists

Due to space limitations or pedagogical principle, all courses have a maximum number of students that can be enrolled. Once the maximum enrollment has been reached during the pre-registration period, students can be placed on a waiting list. As students with seats reserved in a course drop or withdraw, students on the waiting list will be moved into those empty seats on a first-come-first-served basis. Students who are still on a waiting list for a class when the term begins should meet immediately with their advisor to reconsider their course schedule.

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# Academic Advising

Academic advising at McPherson College is an intentional relationship between advisor and student as they plan and reach the student's educational, career, and personal goals.

Focal points of the advisement program at McPherson College include:

- advising the student about his or her academic concerns, co-curricular activities and postgraduate plans
- assisting each student to assess educational/academic objectives
- serving as an interpreter of regulations and academic requirements
- acting as a referral service for any personal or academic problems which may arise

With few exceptions, first-time freshmen are initially assigned a freshman advisor from the Center for Academic Development. By the end of their first semester, however, freshmen are encouraged to select a faculty advisor from their academic major or from a discipline of interest to assist them with enrolling for the next academic year and with developing a graduation plan.

Students may ask to change advisors at any time. Change of Advisor request forms are available from the registrar's office.

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## Adding, Dropping and Withdrawing from Classes

Student may change their course schedules only with the permission of their advisor. During the first week of the term, students may drop or add courses. (Upon written request and the presentation of valid reasons, the Vice president for academic affairs may approve adds after the first week of class.) During the second week of classes, students may continue to drop courses without a fee. Beginning the third week of class, students will be charged a \$50 fee to withdraw from a course, and a grade of W will be posted on their transcript. Students may withdraw from courses until one week after midterm grades are due. Students who withdraw from a class before that deadline will receive a notation of "W" on the permanent record in place of a letter grade. Students may not withdraw after that deadline without the grade earned at the end of the term being reported on their transcript. The dates of all deadlines are published in the annual Academic Calendar.

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## Auditing Courses

With permission of the instructor and the registrar, students may register to audit courses with available seats. The auditor is expected to attend class and participate along with students taking the course for credit. An auditing student is not required to take examinations and does not receive a grade or academic credit. Restoration technology, studio art classes, and private music lessons may not be audited. The vice president for academic affairs determines which courses may be audited.

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## Leave of Absence

Students wanting to leave college for a period of time are eligible to apply for leave of absence status, which provides a continuing contact between the college and the student. Students granted leave of absence status will not be charged the readmission fee if they decide to re-enroll.

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## Cancellation of Courses

Due to scheduling conflicts, faculty leaves of absence, sabbatical leaves, and other factors, a course listed in the catalog or course schedule may not be offered in a particular year. The college reserves the right to cancel or reschedule any course for which there is insufficient enrollment.

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## Special Courses

A special course may be developed by the student, or by the student with the faculty advisor, as an independent and personal search for information and understanding in a defined area. These courses may

- extend the range of subject matter that the student can explore;
- enable the student to collaborate with a faculty member on work relating to the latter's research or teaching;
- enable the student to use special learning opportunities on and off campus;
- offer the student a chance to test self-teaching capacity and to develop skills.

### Course by Appointment

A course by appointment is a course formally offered and listed in the catalog. It may only be taken by appointment if circumstances do not permit a student to take the course when it is formally offered. A formal application (signed by the course instructor and the Vice president for academic affairs) is due on the first day of the term.

### Independent Study

Ordinarily initiated by the student with the advice of the academic advisor, independent study presumes a special interest that will form the basis for a project in original research. Applicants must have a 3.0 grade-point average when they apply. Application is due 30 days prior to the final day of enrollment and must be presented to the Vice president for academic affairs accompanied by a prospective course syllabus.

### Career Connections

The Career Connections program of McPherson College is designed to provide the students with an opportunity to gain hands-on work experience in their major fields of study and to receive academic credit for that experience. Students involved in Career Connections should realize valuable educational gains not obtained in the classroom. This knowledge should, in turn, assist the students' transition from the classroom to the job.

*Important Note:* Academic departments at McPherson College are encouraged to help students develop Career Connection options consistent with institutional guidelines; however, all students considering Career Connection experiences should consult with their faculty advisor to determine whether or not their academic department has additional requirements or requirements different from those that follow.

#### The Internship Option

Internships are designed to provide students with the opportunity to gain work experience in their major fields of study and to receive college credit for that experience. Internships are normally reserved for students who have completed at least four semesters of study since they student are expected to bring an appropriate level of skills into a productive employment setting. The Internship Option is course number 388 in all departments.

#### The Field Experience Option

Field experiences involve observation or participation in vocational and operational activities outside the classroom. Students, often participating without pay and for a single term or less, may or may not bring specific skills to the experience. The Field Experience Option is course number 295 or 495 in all departments.

#### Eligible Experiences

In consultation with the Career Connections coordinator, the faculty advisor must approve the student's overall experiential learning plan. Any internship or field placement can make an acceptable Career Connections experience, as long as the student can demonstrate to the advisor and the Career Connections coordinator that it can advance previously determined and agreed upon educational goals. A student's previous work experience, although personally valuable, does not meet the Career Connection criteria of directed, independent, and career-related learning.

#### Student Eligibility

To be eligible to enroll for a Career Connection option, a student must have completed 12 credit hours at McPherson College or, if a transfer student, hold a junior classification or above, and must have a minimum cumulative GPA of 2.0.

A student may be determined to be unplaceable at any time by either the faculty advisor or Career Connections coordinator. This may result in a student not being placed or termination of a placement.

#### Academic Credit Guidelines

One credit hour may be awarded for approximately 40 hours of relevant internship or field placement experience. Career Connections also requires the student to develop goal/strategy plans and reflective logs, in addition to other journals, papers, and projects as required by the Faculty Advisor

and Career Services Director. Applications for internships and field experiences are due in the registrar's office before the first day of the experience. Credit may be applied to the term in which the internship or field experience is taking place. A student may not receive more than four hours of credit per semester or term for any kind of career connection's experience unless otherwise approved by the faculty advisor, Career Services director and vice president for academic affairs. A maximum of 10 hours of credit earned through Career Connections experiences can count toward graduation—six for part time students.

### **Assessment**

Students seeking credit will be required to journal their experience and submit two work log summary reports that include appendices—items the student created or came in contact with. The work log summary reports along with feedback from the employer and the performance appraisal will be the primary means used to grade the experience.

## **Readings and Research**

Reading and research courses provide an opportunity to do in-depth study in any field. Such courses, which may be initiated by the student or the instructor, may be undertaken only in the major department and only after the student has earned 12 credit hours in that department. A maximum of eight hours of research/readings credit can be counted toward graduation requirements. Application is due the first day of class and must carry the approval of the instructor and the vice president for academic affairs.

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# **Alternate Ways to Receive Academic Credit**

## **Credit for Advanced Placement Equivalents**

Students who have taken College Board Advanced Placement courses in high school and have passed one or more Advanced Placement examinations with a score of 3 or higher can receive credit for McPherson College's equivalent course(s), as determined by the college registrar.

## **Credit for International Baccalaureate Equivalents**

Students who have participated in the International Baccalaureate program in high school and who have passed one or more IB examinations with a score of 4 or higher can receive credit for McPherson College's equivalents courses(s), as determined by the college registrar.

## **College-Level Examination Program (CLEP) Tests**

Students may elect to earn credits for McPherson College courses by passing registrar-approved College Board CLEP tests with a score that meets the credit-granting scores recommended by the American Council on Education. Before registering to take a CLEP exam to test out of a particular McPherson College course, students should be sure the registrar approves the exam as an equivalent to the course for which they desire credit. No more than six hours of CLEP credit will be accepted in the area of college composition.

The student is required to pay the registration fee plus a fee per exam. Additionally, there is a \$100 fee to post the credit on the student's transcript.

## **Credit by Departmental Examination**

To receive credit by institutional examination, the student must have permission from the instructor of the course and/or the department chair. Credit is granted to students who earn a grade of C or higher on the exam. The grade earned on the exam will be recorded on the student's permanent transcript, along with the notice that the credit was awarded by examination.

Credit by departmental exam counts toward the achievement of a degree and is included in the calculation of the student's cumulative grade-point average. However, it is not included in the calculation of the GPA for the semester in which the examination is taken.

There is a \$100 fee to post the credit on the student's transcript.

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# **Grades**

All grades are determined by the instructor in charge of the course. Grades are reported as follows:

## Grading Scale

A	high honor (reserved for very distinguished work)
B	very good work of much more than average quality
C	work of good average quality
D	work of the lowest quality that will enable the student to meet the standards of McPherson College
I	work is incomplete. This mark will be given only when the reason for the incomplete has been unavoidable, as determined by the instructor and the vice president for academic affairs
F	work that does not meet the standards of McPherson College
PS	a passing grade on the pass/fail system
FL	a failing grade on the pass/fail system
CR	credit granted
NC	no credit granted
W	withdrawal from a course
IP	in progress
AU	auditing (class attendance with no credit given)
NR	not reported

## Incompletes

When an instructor gives an incomplete grade, the instructor will also submit to the registrar an alternate grade to be recorded if the student fails to complete the assigned work by midterm of the following semester.

## Pass/Fail Option

A student may take only one course per semester on a pass/fail basis. Students must declare this intention by the end of the second week of class. General education courses and courses required for the major may not be audited or taken pass/fail.

## Grade Points

Grade points are earned as follows:

A	4 grade points for each hour of credit
B	3 grade points for each hour of credit
C	2 grade points for each hour of credit
D	1 grade point for each hour of credit
F	0 grade points earned

## Grading Periods

Faculty report grades at three points in the fall and spring semesters:

- Faculty report D's and F's only at the end of the first five weeks. This is a preliminary grade intended to alert students and advisors to poor academic performance while there is time to address issues and get the student the help needed to be successful. Students making all C's or better do not receive a five-week grade report.
- All grades are reported at midterm, or half way through the semester. Midterm grades are preliminary and in no way indicate or guarantee similar grade at the end of the semester.
- Final grades are reported at the end of each term. These grades become a permanent part of a student's transcript unless a course is retaken to replace the previously earned grade. Unless the instructor miscalculates the grade or submits the wrong grade by mistake, final grades cannot be changed except through the grade appeal process explained below.

Because it is condensed into an intensive three-week period, Interterm courses do not report five-week or midterm grades.

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## Final Examinations

Most courses require final examinations. A final examination period during which no regular classes meet (usually four days) is scheduled at the end of the fall and spring semesters. Final examinations or, in some cases, an alternative learning experience or evaluation activity will be given during this period according to a final examination schedule approved by the Educational Policies Committee. Final examinations for Interterm and May Session courses are given during the last scheduled class meeting of the term.

Students who have three or more final exams scheduled on the same day of the final exam period may speak with the Vice president for academic affairs

about arranging with the involved faculty an alternative time for one or more of the finals. Students should not ask faculty to take their exams at a time other than the time approved by EPC for any reason other than extraordinary, unavoidable circumstances. Faculty have no obligation to give exams at a time other than the time approved by EPC, and approval of the Vice president for academic affairs is necessary for them to do so.

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## Course Repeat Policy

With the approval of the vice president for academic affairs, students may repeat a course. The last grade earned will be the grade used to compute the grade-point average. Courses taken at other institutions may not be used to repeat courses taken at McPherson College.

Some courses, such as choir, band, music ensembles, and private lessons, may be repeated multiple times.

After completing one year of intercollegiate athletic competition, students may enroll in intercollegiate competition (PE 211-19 and PE 311-19) for 1 credit hour, but a maximum of 2 credit hours for intercollegiate competition will count toward graduation.

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## Grade Appeal Procedure

A student who receives a final course grade that he or she believes is biased, capricious, erroneous, or unfair must first discuss the evaluation personally with the instructor who assigned the grade. Unless the instructor is permanently absent or the vice president for academic affairs advises otherwise, no formal grade appeal may begin until that conversation has taken place.

If a student, after discussing the matter with the instructor, still believes the recorded grade is unfair, he or she should consult with the vice president for academic affairs, who may attempt to resolve the issue by conferring with the student and instructor separately and informally.

If no resolution is achieved through the intervention of the vice president for academic affairs, the student may, with the written permission of the VPAA, appeal to a review committee established as follows:

- A member of the faculty selected by the student,
- A member of the faculty selected by the instructor involved,
- A member of a faculty selected either by the VPAA or the president of the college. (This member of the committee may be from another institution than McPherson College.)

The committee will determine the legitimacy of the student's grievance. If the student's grievance is found to be valid, the committee will recommend an alternative grade for record. Decisions of the review committee are final and not subject to further appeal.

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## Academic Honors

### Honor Rolls

At the end of fall and spring semesters, grade-point averages for the term will be calculated and an Honor Roll and Honorable Mention Roll compiled and published. Full-time students earning a GPA of 3.55 or higher will be placed on the Honor Roll. Students earning a GPA of 3.25 to 3.54 will be placed on the Honorable Mention Roll.

Students with an Incomplete reported for the term are ineligible for the honor rolls. Grade points earned by examination will not be included in the GPA to determine whether a student is on an honor roll.

### Honor Graduates

Students who have consistently achieved a high level of scholarship during their study at McPherson College will be graduated with the following honors:

- Students earning a minimum cumulative grade-point average of 3.55 to 3.74 will be graduated *cum laude*.
- Students earning a minimum cumulative grade-point average of 3.75 to 3.89 will be graduated *magna cum laude*.
- Students earning a minimum cumulative grade-point average of 3.90 to 4.0 will be graduated *summa cum laude*.



Transfer students will be considered for graduation honors based on either 1) their work only at McPherson College; or 2) their combined previous work and academic record at McPherson College. The level of the honor will be determined by the lower of these grade-point averages. The only exception to this shall be for persons who have participated in a study abroad program. These grades shall not be used in the calculation of honors.

Graduation honors for persons with Incompletes and outstanding classes will not be figured until all work is completed.

## Satisfactory Academic Progress Standards

McPherson College has established a framework for evaluating a student's progress toward a degree within an optimum period of time. This includes a qualitative measure (cumulative grade point average) and a quantitative measure (credit hours earned as a percentage of credit hours attempted).

The table below illustrates how these two measures work in tandem to define the student's academic standing at the college. Students who exceed the measures listed in Warning column for both the qualitative and the quantitative measures are considered in good academic standing.

Hours attempted	QUALITATIVE		QUANTITATIVE <i>Hrs earned as % of hrs attempted</i>	
	Warning cum GPA	Probation cum GPA	Warning	Probation
0 - 15	1.70	1.50	85%	50%
16 - 31	1.75	1.60	85%	60%
32 - 46	1.85	1.70	85%	62%
47 - 62	1.95	1.80	85%	67%
63 - 77	<=2.00	1.85	85%	67%
78 - 93	<=2.00	1.90	85%	69%
94 - 108	<=2.00	1.95	85%	71%
109 - 124	<=2.00	<=2.00	85%	74%
125 - 139	<=2.00	<=2.00	85%	77%
140 - 155	<=2.00	<=2.00	85%	83%
156 - 170	<=2.00	<=2.00	85%	83%
171 - 186	<=2.00	<=2.00	85%	83%

### Academic Warning, Probation, and Suspension Policies

Students are placed on academic warning or academic probation on the basis of the table above. Attempted hours include all postsecondary coursework attempted after completion of the high school degree. For example, this includes failed coursework, repeated coursework, and coursework graded as incomplete. The cumulative grade point average used to determine a student's academic standing includes only courses taken at McPherson College.

Determinations of satisfactory academic progress are made immediately after the conclusion of fall and spring semesters. Students who are placed on academic warning or probation or who are academically suspended will be notified within 30 days after grades are due from the faculty.

#### Warning

Students placed on academic warning receive a letter notifying them of their tenuous academic situation, but academic warning imposes no particular conditions upon a student. Students on academic warning should avail themselves of the support services provided by the Center for Academic Development.

#### Probation

Students placed on academic probation have one semester in which to raise both quantitative and qualitative satisfactory academic progress indicators above the probationary levels identified for their respective hours attempted in the chart above. Students on academic probation will receive letters from the vice president for academic affairs informing them of their standing and stipulating conditions that must be met during the coming semester. These conditions may include mandatory enrollment in College Study Skills or appointments with a staff member of the Center for Academic Development, a limit upon the number of hours that can be attempted in the coming semester, and/or class attendance monitoring.

## **Suspension**

Students who fall below the qualitative and/or quantitative probation indicators for their respective attempted hours will be reviewed by the Satisfactory Academic Progress Committee to determine their eligibility for continued enrollment. Students who are not permitted to continue their enrollment will be placed on academic suspension for one semester or one year.

After serving their term of suspension, suspended students must reapply for admission to McPherson College. To be readmitted, the student must present evidence that he or she is prepared to better academic work. If readmitted, the student will re-enter the college on academic probation, with one semester to demonstrate an ability to make satisfactory academic progress.

## **Appealing Academic Suspension**

Students who wish to appeal a decision of academic suspension may appeal within 30 days after notification of their condition by submitting a written appeal letter to the vice president for academic affairs. The letter of appeal should clearly explain the circumstances or behaviors that have prevented the student from making satisfactory academic progress and persuasively argue that such matters will not hinder future academic achievement. The appeal should include a specific plan the student is committed to implementing in order to work his or her way back into good academic standing.

Although he or she may consult with the Satisfactory Academic Progress Committee, the vice president for academic affairs makes the final determination regarding student appeals of academic suspension. The VPAA's decision is not subject to further appeal.

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# **Graduation and Commencement**

## **Graduation Requirements**

In order to graduate, students must satisfactorily complete no fewer than 124 credit hours with a cumulative, grade-point average of 2.0 or higher, both overall and in the courses required for their major field of study. The grade-point average includes only courses taken at McPherson College and is calculated by dividing the number of grade points earned by the number of graded hours.

For a complete list of graduation requirements, see Requirements for the Bachelor's Degree in the Degree Programs section and the Course Repeat Policy earlier in this section of the catalog.

## **Junior Check and Senior Check**

Students are highly encouraged to schedule two meetings with the registrar to confirm they are on track to graduate. The first should be a junior check performed some time during the spring semester of the sophomore year or first semester of the junior year. The second meeting is a senior graduation check and should be scheduled for the spring semester before the senior year.

## **Candidacy for the Degree**

In the fall, members of the senior class apply for candidacy for the degree to which their courses apply. Application is made through the Registrar's Office. Only those members of the senior class that have been accepted as candidates for a degree may participate in Commencement events. Seniors not filing this application risk being overlooked for a diploma and inclusion in the Commencement program.

## **Senior Audit**

The Registrar's Office conducts a review each fall for each senior who has applied to graduate. Seniors who will not meet the requirements stated for participation in Commencement are notified that they have been removed from the list of graduating seniors. All students should be cautious about changing registration during the year. Any change that brings a senior below the stated requirements for participation in Commencement results in the student not being able to participate.

## **Participation in Commencement**

Commencement exercises are held each May for graduating seniors who are members of that class and who have successfully completed the graduation requirements, including applying for graduation and a positive senior audit.

Only students who have successfully completed 118 credits out of the required 124 credits with a minimum 2.00 grade point average (both overall residential and in the major as figured by tentative senior grade due date) and do not have a balance with the college are eligible to be included in the Commencement program and participate in Commencement and its related activities without receiving a diploma. Students who participate in Commencement without actually graduating are referred to as "participants." The diploma is conferred and a complete transcript issued following completion of all requirements.

Neither senior status, number of courses attempted, time spent in college, delays in submitting off-campus or transfer work, nor other circumstances or miscommunication eliminate the 118 credit requirement for participation in Commencement. The responsibility for understanding and meeting graduation requirements rests entirely with the student. *Please note:* Elementary education majors cannot participate in graduation until after student teaching has been successfully completed.

## Diplomas

A diploma is issued to each member of the graduating class at Commencement under the following conditions:

1. All requirements for the Baccalaureate degree have been successfully completed. A diploma is not issued to participants.
2. The recipient has no outstanding financial obligations to the college.

The fee for replacing a diploma is \$25 (domestic) or \$35 (international).

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## Other Academic Policies

### Student Responsibility for Academic Progress

Although McPherson College provides a thorough advising program, the ultimate responsibility for fulfilling requirements for satisfactory academic progress and graduation belongs with the student. A student must satisfy the requirements of the catalog in effect at the time that the student is admitted and begins course work in a degree program; or the student may, with the consent of his/her advisor, graduate under a subsequent catalog, provided the student complies with all requirements of the later catalog.

Students are expected to be familiar with the information presented in their applicable catalog, and to know and observe all regulations and procedures relating to their program of study. In no case will a regulation be waived or an exception granted because a student pleads ignorance of, or contends that he/she was not informed of, the regulations or procedures. Students planning to graduate should be familiar with the deadline for application for graduation and other pertinent deadlines.

Students should schedule an official junior check with the registrar's office during the first semester of their junior year. A final check with the registrar's office is required during the first term of the senior year to assure that the student will meet all graduation requirements. Part-time students should complete the senior check during the term prior to the term in which they expect to graduate.

### Academic Integrity

Strict honesty is fundamental to education. The college expects that both students and teachers will be honest in all their academic dealings. Academic dishonesty includes (but is not limited to) cheating on tests, turning in others' work as your own (plagiarism), and submitting false reports about required activities.

A student who is guilty of academic dishonesty can be failed on the project or failed in the course, at the instructor's discretion. Faculty are encouraged to report every incident of academic dishonesty to the office of the vice president for academic affairs. If a pattern of dishonesty emerges, a student can be suspended from the college.

### Class Attendance

Every professor has the autonomy to establish his or her own class attendance policy, which is explained in the course syllabus. Students are responsible for understanding and complying with each professor's policy. Instructors may lower final grades or fail students who do not comply with the attendance policy set forth in the syllabus. The vice president for academic affairs may withdraw chronically absent students one or all their courses.

Unless the instructor's attendance policy specifies otherwise, students should notify instructors of necessary absences well in advance and arrange alternative means for completing class activities, if appropriate. When prior notification for absences is not possible, the student should explain each absence to the instructor at the next class meeting. The instructor will determine whether make-up work is allowable.

### Classroom Conduct

Faculty members have the responsibility to maintain an atmosphere conducive to learning in their classrooms and labs. Therefore, when, in the judgment of the instructor, a student's behavior undermines the learning atmosphere, the instructor may remove that student from the classroom for the remainder of the class period.

Students who repeatedly undermine the learning environment, or whose disruptive behavior includes violence, threats, or harassment, may be subject to permanent ejection from a course. Unless the instructor specifies otherwise, ejected students fail the course. Students have the right to appeal an instructor's request for permanent removal from a course to the vice president for academic affairs.

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## Purpose Statement

At the root of a liberal arts education is a group of courses that are usually referenced as general education requirements. To define this group of courses at McPherson College the faculty first identified qualities that would demonstrate the "ideal McPherson College graduate." McPherson College's general education program provides an opportunity for the development of a life-long learner who...

- Speaks and writes clearly and effectively;
- Acquires and evaluates information;
- Understands and is able to use mathematical properties, processes, and symbols;
- Understands religion and spiritual traditions as a quest for human identity and has examined his/her own beliefs;
- Understands the concept of holistic health and is conscious of his/her physical, emotional and spiritual well-being;
- Understands the cultural diversity of our global community;
- Assesses value conflicts in issues and makes informed ethical decisions;
- Understands the role of service and peace-making in the historical context of McPherson College and the Church of the Brethren;
- Integrates knowledge and experience with exploration and choice of career;
- Appreciates the arts and literature and is able to make informed aesthetic responses;
- Understands his/her relationship to the physical and biological world and the methods of science;
- Understands the economics, social, and historical contexts of society;
- Thinks critically and creatively;
- Demonstrates the appropriate use of technology within his/her academic discipline.

To this end, all students at McPherson College are expected to complete a common set of general education requirements, defined in terms of foundations, seminars, and distribution courses. Students must complete all the general education requirements as outlined below in order to graduate.

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## Foundation Courses

*A. Oral Communication:* Students will (1) demonstrate effective oral presentation skills, (2) adapt messages to specific audiences, (3) practice effective listening, (4) organize messages in a coherent and meaningful way, and (5) determine appropriate channels for message delivery.

*Required: 1 Course*

G-CM 130 Interpersonal Communication

G-CM140 Public Speaking

G-CM218 Business and Professional Communication

*B. Written Communication & Information Literacy:* Students will (1) write with skill and express complex ideas with clarity and (2) demonstrate that they understand and can use techniques of locating, retrieving, and evaluating information.

*Required: 4 Courses*

G-EN 110 College Rhetoric I

G-EN 111 College Rhetoric II

2 Language Intensive (LI) courses with at least one LI course in the student's major department.

### Speaking Component

(1) Informal oral communication exercises should be used frequently in the LI classroom. Most often, these will consist of required participation in small group and class discussions. LI instructors can make even routine student participation in class discussions and activities into helpful oral communication exercises simply by (a) raising students' consciousness about the variety of signals they send when they speak informally in class, and (b) helping students eliminate their careless habits in speech and delivery.

(2) At least one formal oral presentation should be included in the LI course. The presentation, probably brief, may be delivered to part or all of the class, or some other audience. It may derive from a formal writing assignment, recast for oral delivery.

### Writing Component

(1) Informal writing assignments should be frequent, perhaps one per class session, but certainly one per week. Most informal writing activities are in the "writing to learn" mode; that is, they are intended to push students to read, think about, and interpret course material more carefully and

deeply than they otherwise might do. From a handful of basic, informal writing models, such as journals and microthemes, LI instructors can improvise an almost endless array of specific informal writing activities.

(2) Formal writing assignments should be substantial (but the meaning of “substantial” depends upon the course and the exact nature of the assignment.) There should be at least one formal, polished piece of writing. Whenever possible, LI instructors should give formal assignments in stages, conference with students over drafts, and allow ample time for revision(s).

G-AR310 Art History I  
G-AR311 Art History II  
BA339 Human Resource Management  
BA475 Business Strategy & Policy  
BI391 Evolution  
CI455 Teaching Learning Process  
G-CM130 Interpersonal Communication  
G-CM218 Business & Professional Communication  
G-CM221 Intercultural Communication  
CM475 Senior Seminar in Communications  
G-EE210 Children’s Literature  
EE303 Reading/Language Arts I  
G-EN210L World Literature I (4 hours)  
G-EN220L World Literature II (4 hours)  
EN250L American Literature I (4 hours)  
G-EN255L American Literature II (4 hours)  
G-EN270L Fiction (4 hours)  
EN313 Expository Writing  
G-EN370L Poetry (4 hours)  
HI475 Senior Theses  
IT475 Senior Projects in Information Tech.  
G-MA290 History of Mathematics  
MA475 Senior Project in Mathematics  
G-ML209 Spanish II  
G-NS100L Science and Society (4 hours)  
NS300 Research Methods  
NS475 Senior Research  
G-PA385 Performing Arts History & Literature I  
G-PA390 Performing Arts History & Literature II  
PA475 Senior Projects in Performing Arts  
PE380 History & Philosophy of Health, PE, Sport  
G-PR102 Intro. to New Testament  
G-PR104 Ethics (4 hours)  
G-PS215 Global Peace Studies  
PY450 History and Systems of Psychology  
PY/SO475 Senior Thesis  
G-TE333 Technology & Society  
TE475 Senior Project

C. *Mathematics*: Students will demonstrate that they understand and can use mathematical properties, processes, and symbols.

*Required: 3-4 hours chosen from the following:*

G-MA105 College Algebra  
G-MA111 Calculus I  
G-MA201 Survey of Mathematics  
G-MA220/G-BA220 Business Applied Statistics  
G-MA221 Elementary Applied Statistics  
G-MA153 Principles of Geometry

D. *Religion/Beliefs/Values*: Students will (1) demonstrate that they have examined their personal philosophy of life and can articulate their position on religious or philosophical issues; and (2) demonstrate an understanding of how values are formed, transmitted, and revised.

*Required: 3-4 hours chosen from the following:*

G-PR101 Introduction to Hebrew Bible  
\*G-PR102 Introduction to New Testament  
\*G-PR104 Ethics  
G-PR201 Introduction to Philosophy

G-PR202 History of Christianity  
G-PR203: Science and Religion  
\*G-PR391 Evolution  
G-PR401 World Religions  
G-PA125 Film and Culture

*E. Wholeness/Health/Fitness:* Students will (1) develop a personal strategy for life-long health and fitness, with an emphasis on the physical domain; (2) demonstrate an understanding of the reciprocal nature of the cognitive, affective, and physical domains; and (3) demonstrate an understanding of the principles of wellness, both interventive and preventive.

*Required: 2 hours chosen from the following:*

G-PE150 Concepts in Holistic Health  
G-PE170 Personal & Community Health

*F. Global/Intercultural Experience:* Students will (1) demonstrate a broad cultural view of humankind; and (2) show that they understand the interconnected global environment.

*Required: 3 hours+ chosen from the following:*

G-CI251 Introduction to Education Practicum  
G-CI333 Intercultural Education Seminar  
\*G-CM221 Intercultural Communication  
\*G-EN210 World Literature I  
\*G-EN220 World Literature II  
G-ET201: Entrepreneurship on the Horizon  
G-HI210 International Travel Study in World History  
G-MA290 History of Mathematics  
G-ML108 Spanish Level I  
G-ML109 Spanish Level II  
G-ML208 Spanish Level III  
G-ML209 Spanish Level IV  
G-ML350 Junior Year Abroad  
G-PS130 Principles of Geography  
\*G-PS215 Global Peace Studies  
G-SO202 Minorities in the U.S.  
\*G-TE333 Technology in Society  
G-PR401 World Religions

+Students completing a Bachelor of Arts degree must take G-ML108 Level I Spanish for three hours as well as three additional hours in the Global/Intercultural Experience Foundation. These students will be required to take only one Language Intensive (LI) course.

## College Seminars

In the seminar series, students will demonstrate (1) that they have explored traditional Church of the Brethren values; (2) that they understand service-learning and can complete a service project; (3) that they can make informed ethical decisions in personal and professional situations; and (4) that they have investigated career options in the fields of study. In addition, the various seminars address the following goals.

- A. *G-ID 101 Academic Community Essentials (ACE) Seminar:* Students will show that they have learned about college life, create a degree plan, and practice good study skills, critical thinking, and conflict resolution.
- B. *G-ID 201 Sophomore Seminar:* Students will complete a service project, develop a career plan, and show that they have explored internship options.
- C. *Junior Seminar:* Working closely with faculty in their fields, students will show that they have explored professional and service options and have fulfilled other objectives as determined by department faculty.
- D. *Senior Capstone Experience:* Students will complete a senior project, as designed by department faculty.

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## Distribution Courses

### Humanities:

*Required: 6 hours, with a course of at least two hours from each category: the arts and literature*

*The Arts:* Students will show that they have a critical knowledge of creativity in the Fine Arts.

G-AR101 Drawing I  
G-AR102 Painting I  
G-AR220 Graphic Design for Non-Art Majors  
\*G-AR310 Art History I  
\*G-AR311 Art History II  
G-AR131 Ceramics I  
G-AR350 Sculpture  
G-PA110 Intro. Performing Arts  
G-PA120 Music Appreciation  
G-PA140 College Band  
G-PA142 College Choir  
G-PA160 Performing for the Stage  
G-PA170 Stagecrafts

*Literature:* Students will demonstrate that they have learned how literature artfully structures people's experiences, values, and cultures.

\*G-EE210 Children's Literature  
\*G-EN210 World Literature I  
\*G-EN220 World Literature II  
G-EN235 Selected Topics in Literature  
\*G-EN255 American Literature II  
\*G-EN270 Fiction  
\*G-EN370 Poetry  
G-PA265 Script Analysis  
\*G-PA385 Performing Arts Literature & History I  
\*G-PA390 Performing Arts Literature & History II

## **Science and Technology:**

*Required:* 7 hours, one lab, one course from life and one course from physical sciences

*Life Sciences and Physical Sciences:* Students will demonstrate (1) that they have developed an understanding of contemporary scientific thought regarding the structure and function of the physical and biological world; (2) that they know about historical changes in the scientific understanding of the world and (3) that they understand and have experienced some of the methods and processes of the natural sciences.

### *Life Sciences*

G-BI101 Principles of Biology  
G-BI106 Environmental Biology  
G-BI111 College Biology I  
G-BI201 Biodiversity  
G-BI210 Nutrition  
\*G-NS100 Science & Society(4 hours)  
G-NS141 Environmental Science

### *Physical Sciences*

G-CH101 Principles of Chemistry  
G-CH106 Environmental Chemistry  
G-CH111 College Chemistry I  
\*G-NS100 Science & Society (4 hours)  
G-NS141 Environmental Science  
G-NS245 Climatology  
G-PC251 Geology  
G-PC275 Astronomy  
G-PH215 General Physics I

## **Social Sciences:**

*Required:* 9 hours, one each from behavioral sciences, social institutions, and history

*Behavioral Sciences:* Students will demonstrate that they understand how to appreciate themselves and others as psychological and sociological beings. Specifically, students will show that they comprehend how they are both participants in and products of interactions at the level of the individual, the group, and the society.

G-CM120 Introduction to Human Communication  
G-PY101 Introduction to Psychology  
G-SO101 Introduction to Sociology  
G-SO246 Marriage and Family

*Social Institutions:* Students will demonstrate an understanding of how various social, economic, and political systems originate and evolve to shape our lives and an understanding of how individuals and groups interact within these systems.

G-BA101 Introduction to Business  
G-BA230 Personal Finance  
G-CI150 Introduction to Education  
G-EC416 Ecological Economics  
G-ET201 Entrepreneurship on the Horizon  
G-PS/HI101 Historical Introduction to Politics  
G-PS102 U.S. Government  
G-PS125 International Relations  
G-SO246 Marriage and Family

*History:* Students will demonstrate scholarship in the study of history, historical and political awareness, and critical and analytical skills in at least one area of world civilization.

G-HI/PS101 Historical Introduction to Politics  
G-HI110 World Civilization to 1500  
G-HI120 World Civilization since 1500  
G-HI130 Introductory Methods for Historical Analysis  
G-HI201 American History to 1865  
G-HI202 American History since 1865  
G-HI220 Twentieth Century Europe  
G-HI217 Latin American History  
G-HI236 Topics in Social History

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## Visual Arts Program

### Purpose Statement

The McPherson College visual arts department provides 1) high-quality art instruction within the content areas of art production, art history, art criticism, and aesthetic inquiry, 2) unique art programs within the visual arts major, including graphic design, graphic design marketing, studio, art teaching licensure as well as a hybrid major of auto restoration design in conjunction with the technology department, and 3) venues for the fulfillment of academic and professional goals of students pursuing a visual arts-related career within a liberal arts context and an entrepreneurial environment at a small private college in Kansas.

### Goals

The four primary goals of the visual arts department are to produce graduates who can 1) effectively execute and perform a variety of art skills with sensitivity and intelligence, 2) communicate the ability to analyze and critique works of art, 3) relate the creative process to life in personally meaningful ways, and 4) apply skills and knowledge to arts-related opportunities and professions. The visual arts department achieves these goals when graduates can:

- demonstrate knowledge of art elements and design principles;
- demonstrate performance in a variety of traditional and contemporary art media;
- demonstrate abilities to analyze and critique works of art in verbal and written form;
- demonstrate meaningful connections of art to life through the development of perceptual skills;
- research, identify, and interpret Western and non-Western cultural contributions to art;
- understand the qualities and the mentality needed to be a working, active artist and/or arts-related professional;
- meet State Department of Education standards for certification in the area of art for those pursuing art teaching licensure;
- demonstrate knowledge and skills with emerging technologies, both hardware and software, needed for opportunities and/or careers in the field of graphic design.

The visual arts department's curriculum is designed to meet the needs of students who want to 1) develop their artistic skills and refine their aesthetic values, 2) plan for careers as artists and graphic designers, and/or for employment in arts-related positions, 3) teach art in the public schools, and 4)



further their education in graduate school.

## Visual Arts Major: Graphic Design Track

**Requirements** (56 required hours)

**G-AR 101** Drawing I (2 hours)  
**G-AR 102** Painting I: Acrylics OR  
**G-AR 202** Painting II: Watercolors (2 hours)  
**AR 103** Elementary Design (3 hours)  
**AR 130** Design Software (2 hours)  
**AR 203** Photography I (2 hours)  
**AR 205** Multi-Media Software (2 hours)  
**AR 210** Drawing II: Figure Drawing (2 hours)  
**AR 230** Graphic Design I (3 hours)  
**AR 235** Graphic Design II (3 hours)  
**AR 303** Photography II (3 hours)  
**G-AR 310** Art History I (4 hours)  
**G-AR 311** Art History II (4 hours)  
**AR 312** Themes in Contemporary Art (3 hours)  
**AR 320** Typography and Logo Branding (2 hours)  
**AR 330** Graphic Design III (3 hours)  
**AR 335** Interactive Software (3 hours)  
**AR 340** Web-Based Design I (3 hours)  
**G-AR 350** Sculpture I (3 hours)  
**AR 440** Web-Based Design II (3 hours)  
**AR 470** Graphic Design Senior Show (1 hour)  
**AR 475G** Graphic Design IV (3 hours)

### Suggested Supporting courses

**G-AR 102** Painting I: Acrylics OR  
**G-AR 202** Painting II: Watercolors (2 hours)  
**CM 210** Multi-Media Storytelling I (3 hours)  
**BA 327** Consumer Behavior (3 hours)  
**BA 360** Marketing Research (3 hours)  
**AR 388** Internship in Graphic Design (3 hours)

Majors in the graphic design track are required to produce a senior exhibition during the spring semester of their senior year.

## Visual Arts Major: Graphic Design Marketing Track

**Requirements:** 71 combined hours: 40 hours art + 31 hours business

**G-AR 101** Drawing I (2 hours)  
**G-AR 102** Painting I: Acrylics OR  
**G-AR 202** Painting II: Watercolors (2 hours)  
**AR 103** Elementary Design (3 hours)  
**AR 130** Design Software (2 hours)  
**AR 203** Photography I (2 hours)  
**AR 230** Graphic Design I (3 hours)  
**AR 235** Graphic Design II (3 hours)  
**G-AR 311** Art History II (4 hours)  
**AR 330** Graphic Design III (3 hours)  
**AR 335** Interactive Software (3 hours)  
**AR 340** Web-Based Design I (3 hours)  
**G-AR 350** Sculpture I (3 hours)  
**AR 440** Web-Based Design II (3 hours)  
**AR 470** Graphic Design Senior Show (1 hour)  
**AR 475** Graphic Design IV (3 hours)  
**G-BA 101** Introduction to Business (3 hours)  
**EC 202** Survey of Economics (3 hours)  
**AC 205** Financial Accounting (3 hours)  
**AC 206** Managerial Accounting (3 hours)

- BA 224** Principles of Management (3 hours)
- BA 315** Business Law (3 hours)
- BA 321** Marketing (3 hours)
- BA 322** Advertising and Promotion (3 hours)
- BA 327** Consumer Behavior (3 hours)
- BA 360** Marketing Research (3 hours)
- BA 375** Business Ethics (Jr. Seminar) (1 hour)

### **Suggested Supporting Courses**

- AR 205** Multi-Media Software (2 hours)
- AR 305** Typography and Logo Branding (2 hours)
- AR 303** Photography II (3 hours)

Majors in the graphic design marketing track are required to produce a senior exhibition during the spring semester of their senior year.

## **Visual Arts Major: Studio Track**

**Requirements:** 52 required hours

- G-AR 101** Drawing I (2 hours)
- G-AR 102** Painting I: Acrylics (2 hours)
- AR 103** Elementary Design (3 hours)
- G-AR 131** Ceramics I (2 hours)
- AR 130** Design Software (2 hours)
- G-AR 202** Painting II: Watercolors (2 hours)
- AR 203** Photography I (2 hours)
- AR 210** Drawing II: Figure Drawing (2 hours)
- AR 230** Graphic Design I (3 hours)
- AR 231** Ceramics I (2 hours)
- AR 303** Photography II (3 hours)
- G-AR 310** Art History (4 hours)
- G-AR 311** Art History II (4 hours)
- AR 312** Themes in Contemporary Art (3 hours)
- AR 315** Metalsmithing and Jewelry (3 hours)
- AR 325** Concentrated Study (2 hours)
- G-AR 350** Sculpture I (3 hours)
- AR 355** Sculpture II (3 hours)
- AR 425** Concentrated Study (2 hours)
- AR 475A** Senior Concentration (3 hours)

### **Suggested Supporting courses**

- AR 235** Graphic Design 2 (3 hours)
- AR 340** Web-based Design (3 hours)
- AR 335** Interactive Software (3 hours)

Majors in the studio track are required to produce a senior exhibition during the spring semester of their senior year.

## **Visual Arts Major: Licensure track for teaching Art in the Public Schools (PK-12)**

**Requirements:** 52 required hours. In addition to the required courses in the visual arts department, licensure track art majors complete 44 hours in professional education requirements through the curriculum and instruction department.

- G-AR 101** Drawing I (2 hours)
- G-AR 102** Painting I: Acrylics (2 hours)
- AR 103** Elementary Design (3 hours)
- AR 130** Design Software (2 hours)
- G-AR 131** Ceramics I (2 hours)
- G-AR 202** Painting II: Watercolors (2 hours)
- AR 203** Photography I (2 hours)
- AR 210** Drawing II: Figure Drawing (2 hours)
- AR 230** Graphic Design I (3 hours)
- AR 231** Ceramics II (2 hours)
- AR 303** Photography II (3 hours)

**G-AR 310** Art History I (4 hours)  
**G-AR 311** Art History II (4 hours)  
**AR 312** Themes in Contemporary Art (3 hours)  
**AR 315** Metalsmithing and Jewelry (3 hours)  
**G-AR 350** Sculpture I (3 hours)  
**AR 355** Sculpture II (3 hours)  
**AR 358/EE 301** Elementary Art Methods (2 hours)  
**AR 401/CI 401** Secondary Art Methods (2 hours)  
**AR 475A** Senior Concentration (3 hours)

Majors in the licensure track are required to produce a senior exhibition during the spring semester of their senior year.

## Graphic Design Minor

**Requirements:** 21 require hours

**G-AR220** Graphic Design for Non-Art Majors (3 hours)  
**AR 235** Graphic Design II (3 hours)  
**AR 320** Typography & Logo Branding (3 hours)  
**AR 335** Interactive Software (3 hours)  
**AR 330** Graphic Design III (3 hours)  
**AR 340** Web Design I (3 hours)  
**AR 475G** Graphic Design IV (3 hours)

## Visual Arts Minor

A minor in the visual arts may be earned by completing 18 credit hours from four course categories: 1) two foundation courses for seven credit hours, 2) four credit hours in two-dimensional courses, 3) five credit hours in three-dimensional courses, and 4) three credit hours in graphic design.

### Foundation Courses: 7 hours total

Choose one of three art history courses:

**G-AR 310** Art History I, OR  
**G-AR 311** Art History II, OR  
**AR 312** Themes in Contemporary Art  
**AR 103** Elementary Design (3 hours)

### Two-dimensional Courses: choose 4 hours total

**G-AR 101** Drawing I (2 hours)  
**G-AR 102** Painting I (2 hours)  
**G-AR 202** Painting II (2 hours)  
**AR 203** Photography I (2 hours)  
**AR 210** Drawing II (2 hours)

### Three-dimensional Courses: choose 4 hours total

**G-AR 131** Ceramics I (2 hours)  
**AR 231** Ceramics II (2 hours)  
**AR 315** Metalsmithing and Jewelry (3 hours)  
**G-AR 350** Sculpture I (3 hours)  
**AR 355** Sculpture II (3 hours)

### Graphic Design Course: 3 hours

**G-AR 220** Graphic Design for Non-Art Majors (3 hours)

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## Visual Arts Course Descriptions

### G-AR 101 Drawing I

*2 hours*

An introduction to the techniques and aesthetics of drawing from observation, with an emphasis on the exploration and application of basic design principles. A variety of media will be presented, including pencil, ink, charcoal, and conté crayon. (Fall and Spring)

#### **G-AR 102 Painting I: Acrylics**

*2 hours*

An introduction to the techniques and aesthetics of opaque painting, with an emphasis on the exploration and application of color theory. The student may elect to work in oils or acrylics. (Fall and Spring)

#### **AR 103 Elementary Design**

*3 hours*

This course will focus on the principles and elements of design. With the components of form, line, shape, value, texture, color, space, content, and style, students will learn to develop whole, integrated compositions. Emphasis will be placed on the formal and structural elements of design in various media in order to provide a visual vocabulary for how art works are created. (Fall)

#### **AR 130 Design Software**

*2 hours*

An introduction to graphic design software. Basic operating systems of Macintosh computers and software will be demonstrated as well as print-, photography-, and vector-based design techniques using Adobe Photoshop, Illustrator, and InDesign. (Fall)

#### **G-AR 131 Ceramics I**

*2 hours*

An introduction to the production of functional stoneware pottery. Beginning assignments will include various forms of hand-building techniques, with experience on the potter's wheel following. (Fall and Spring)

#### **AR 202 Painting II: Watercolor**

*2 hours*

An introduction to the techniques and aesthetics of transparent watercolor painting, with an emphasis on the exploration and application of color theory. (Fall and Spring)

#### **AR 203 Photography I**

*2 hours*

An introduction to photography with an emphasis on developing a working familiarity of the concepts and techniques required to take aesthetic photographs using the 35mm single lens reflex camera as well as the development of aesthetic photographic prints. Students will become familiar with processes involved in both film and digital photography, including the traditional darkroom and digital software such as Adobe Photoshop. The history of photography in society and some alternative photographic processes will also be explored. (Fall and Spring).

#### **AR 205 Multi-Media Software**

*2 hours*

An introduction to video and sound editing techniques using Final Cut Pro. (Spring)

#### **AR 210 Drawing II**

*2 hours*

A continued experience with the techniques and aesthetics of drawing with an emphasis on the human figure from direct observation. Prerequisite: G-AR 101. (Spring)

#### **G-AR 220 Graphic Design for Non-Art Majors**

*3 hours*

An introduction to graphic design for non-art majors focusing on the foundation of graphics through design principles and elements. Topics will cover branding and advertising basics. Basic operating systems of Macintosh computers will be demonstrated as well as Adobe Photoshop, Illustrator, and an introduction to Apple Motion. No prerequisite; however, G-AR 101 Drawing I and AR 103 Elementary Design strongly recommended. (Spring)

#### **AR 230 Graphic Design I**

*3 hours*

An introduction to graphic design focusing on the foundation of graphics through design principles and elements. Topics over conceptual thinking, uses of typography & symbols, advertising & commercials, logos, corporate identity & packaging design will be covered. Prerequisite: AR 130 Design Software, G-AR 101 Drawing I and AR 103 Elementary Design strongly recommended. (Spring)

#### **AR 231 Ceramics II**

*2 hours*

Advanced experiences in the production of functional, wheel-thrown stoneware pottery. Students will be directly involved with bisque and stoneware glaze firing procedures. Exposure to the aesthetic and process of raku firing is included. Prerequisite: G-AR 131 (Spring)

### **AR 235 Graphic Design II**

*3 hours*

A course focusing on using design principles and elements for three-dimensional packaging in relation to print media. Photoshop, Illustrator, and InDesign will be used. Prerequisite: AR 230 Graphic Design I (Spring)

### **AR 303 Photography II**

*3 hours*

A continuation in the study of photography with an in-depth focus on color, light, composition, and photography genre, primarily utilizing the digital 35mm single lens reflex camera and software such as Adobe Photoshop. The role photography plays in society and advanced alternative photographic processes will also be explored. Prerequisite: AR 203 Photography I. (Spring, odd years)

### **G-AR 310 Art History I**

*4 hours, Language Intensive*

A study of art, its meanings and functions in society, and major trends in the evolution of art. Encompasses prehistoric through the Middle Ages. (Fall)

### **G-AR 311 Art History II**

*4 hours, Language Intensive*

A study of major art movements and individual artists from the Renaissance to contemporary art. Interrelates art to diverse aspects of society, and explores meaning and function of art as an integral part of life. (Spring)

### **AR 312 Themes in Contemporary Art**

*3 hours*

A focused study of particular issues and styles in art from the 1970's to today while gaining an understanding of how artists and their work fit into the contemporary art world. (Spring)

### **AR 315 Metalsmithing and Jewelry**

*3 hours*

This studio course is an introduction to the techniques, materials, and aesthetics of jewelry and small metal sculpture design and fabrication. Students will design and fabricate jewelry and small sculpture utilizing stones and metals such as silver, copper, and brass. Basic metalsmithing techniques will be covered such as forging and shaping, silver solder, casting, enameling, as well as a variety of other assemblage methods. (Spring)

### **AR 320 Typography and Logo Branding**

*2 hours*

A course focusing on type design with an emphasis on design techniques using typography in layout and logo branding using Fontographer and Adobe Illustrator software applications. Prerequisite: AR130 Design Software (Fall)

### **AR 325 Concentrated Studies**

*2 hours*

Advanced studies of a selected studio medium based on intense production, supplemented with research and/or written reviews of regional exhibitions. Structure of the course is mutually determined by the professor and student. May be repeated. (Fall and Spring)

### **AR 330 Graphic Design III**

*3 hours*

A course focusing on advanced projects in graphic design, including print, packaging and multi-media. This course functions as a preparatory experience leading into AR 475G Graphic Design IV. Prerequisite: AR 235 Graphic Design II. (Fall)

### **AR 335 Interactive Software**

*3 hours*

An introduction to interactive design, including the creation of interactive kiosks and web sites using Adobe Muse & Edge, and animation techniques using Apple Motion. Prerequisites: AR 130 Design Software and AR230 Graphic Design I. (Spring)

### **AR 340 Web Based Design I**

*3 hours*

An introduction to designing for the World Wide Web. Students learn to apply the principles of design to standards-compliant web sites built with HTML and CSS. Prerequisite: AR 130 Design Software. AR 230 Graphic Design I recommended but not required. (Interterm, odd years)

#### **G-AR 350 Sculpture I**

*3 hours*

An introduction to the design, fabrication and aesthetics of sculpture. Emphasis will be on the exploration of common materials and methods used in sculpture. Processes of additive/subtractive, assemblage, and casting will be explored as students create work in clay, stone, metal, and found objects. (Fall)

#### **AR 355 Sculpture II**

*3 hours*

Advanced experiences in the design, fabrication and aesthetics of sculpture, with an emphasis on design/build and the exploration of more complex materials and methods used in sculpture. Further in-depth study in the processes and materials of sculpture, with a focus on 3d printing, bronze casting, intermedia and installation sculpture. Prerequisite: G-AR 348 Sculpture I or consent of the instructor. (Spring, even years)

#### **AR 358/EE 301 Methods for Teaching Art in the Elementary School**

*2 hours*

A comprehensive study of elementary art curricula and methods relevant to today's educator in the public schools. Topics to be covered include: current techniques and materials, issues in art, basic art and design concepts, the developmental stages of children related to age-appropriate art teaching, and curriculum implementation. (Fall)

#### **AR 388 Internship in Graphic Design**

*3 hours*

Students will apply to the graphic design program director for acceptance to enter an intern relationship with a local or regional business or graphic design firm for one semester with close monitoring from the graphic design program director. Acceptance of application for the internship is determined by the visual arts department faculty. Therefore, the student must be granted acceptance prior to enrollment. Prerequisites: AR 230 Graphic Design I, AR 235 Graphic Design II, and AR 330 Graphic Design III. An internship can be taken concurrently with Graphic Design III. (Spring)

#### **AR 401/CL 401 Methods for Teaching Art in the Secondary School**

*2 hours*

A comprehensive study of secondary art curricula and methods relevant to today's educator in the public schools. Topics to be covered include: the role of the art teacher in a public school system, developing a secondary art curriculum, exposure to Discipline Based Art Education, motivating students, developing realistic expectations, establishing criteria for grading, assessing individual needs in the classroom, and discipline in the classroom. (Spring)

#### **AR 425 Concentrated Studies**

*2 hours*

Preparation for Senior Exhibition and/or highly advanced studies of a selected studio medium based on intense production, supplemented with research and/or written reviews of regional exhibitions. Structure of the course is mutually determined by the professor and student. May be repeated. (Fall and Spring)

#### **AR 440 Web Based Design II**

*3 hours*

A course focused on advanced web techniques. Advanced online setup techniques will be covered including hosting and design update issues. Prerequisite: AR340 Web Based Design I. (Interterm, even years)

#### **AR 470 Graphic Design Senior Show**

*1 hour*

A course focused on preparation for the Senior Graphic Design Exhibition. Various design projects will be updated and executed. Graphic work produced will become the foundation for the students' Senior Exhibition. Can be taken concurrently with AR 475G Graphic Design IV. (Fall and Spring)

#### **AR 475A Senior Concentration**

*3 hours*

A course that requires the senior art major to concentrate his/her work in a selected area of study. With the aim of this experience being to increase professional proficiency, the student will work under the close supervision of a faculty member. Formal course work will focus on studying art from 1940 through contemporary art. A senior exhibition is required and is a component of this course. Instructor's approval required. (Fall or Spring of senior year)

## AR 475G Graphic Design IV

3 hours

Advanced large-scale projects will be produced as final pieces to be used as the students' graphic portfolio. Professional development issues will be covered, including preparation for freelance work, billing clients, and constructing a personal portfolio to be sent to prospective employers. Prerequisite: AR 330 Graphic Design III. (Spring)

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# Auto Restoration Technology Program

## Purpose Statement

The department of technology commits itself to developing whole persons through experiential problem solving and the systematic study of technology.

The department achieves this purpose when its students:

- Demonstrate awareness of how technology changes and interacts with society.
- Possess a professional orientation for employment or advanced programs, or develop vocational interests in technology.
- Have acquired technical skills and craftsmanship through systematic study, experiences with technological artifacts, and the solving of technical problems.

## Technology Major

McPherson College offers a unique degree program of authentic auto restoration technology emphasizing hands-on skills and historical research. This program results in a unique departmental blend of contemporary technology and traditional craftsmanship. The Bachelor of Science in Technology major has six different options from which to choose:

## Historic Automotive Technology Option

The goal of the Historic Automotive Technology option is to develop graduates who are prepared for professional pursuits in the area of automotive history and/or graduate study.

### Program objectives (Option I)

This program achieves its purposes when graduates:

- Demonstrate an understanding of the major technological systems of the automobile.
- Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques.
- Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.
- Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in antique automobile restoration.
- Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete historically accurate automotive restorations.
- Demonstrate knowledge of the historical role of the automobile in modern society.
- Demonstrate knowledge of the role of the automobile in the history of transportation, technology and science.

## Requirements

*Auto Restoration Technology Core Courses*

- TE 100** Intro to Restoration (2 hours)
- TE 141** Engine Rebuilding (4 hours)
- TE 145** Drive Train Rebuilding (4 hours)
- TE 152** Sheet Metal Restoration (4 hours)
- TE 162** Technical Woodworking (OR)
- TE 262** Machining Technology (3 hours)
- TE 202** Research & Documentation (2 hours)
- TE 271** Chassis Restoration (3 hours)
- TE 275** Automotive Paint Restoration (4 hours)
- TE 281** Automotive Trim (4 hours)
- TE 360** Electrical and Electronic Systems
- TE 385** Restoration Assembly Processes (4 hours)

### *History Core Courses*

- G-HI130** Introd. Mthds. For Hist. Analysis (3 hours)
- HI 205** History of the Automobile (3 hours)
- G-HI/TE 333** Technology & Society (3 hours)
- HI 410** Colloquium in Historiography (3 hours)
- \*HI 475** Senior Thesis (2 hours)

### *History Electives*

At least 6 credit hours drawn from the following list:

- AR/HI 245** The History of Automotive Design (3 hours)
- G-HI 150** American History since 1877 (3 hours)
- G-HI 220** Modern Europe (3 hours)
- G-HI 236** Topics in Social History (3 hours)
- G-HI 237** Topics in Political History (3 hours)
- HI 313** Medieval Europe (3 hours)
- HI 315** Early Modern Europe (3 hours)

## **Automotive Restoration Management Option**

The goal of the Automotive Restoration Management option is to develop graduates who are prepared for professional pursuits and/or graduate study.

### **Program Objectives (Option II)**

This program achieves its purposes when its graduates:

- Demonstrate an understanding of the major technological systems of the automobile.
- Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques.
- Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.
- Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique automobile restoration.
- Capitalize on Automotive Restoration Technology program connections with automotive business to place students in productive internships.
- Demonstrate knowledge, understanding, and application of the principles, concepts, and tools in each key content area of their major.
- Perform research, analysis, and critical thinking necessary to integrate key content from various business disciplines and other dimensions of society.
- Perform effectively in groups.
- Persuasively communicate business-related ideas in a variety of media and settings.

### **Requirements**

#### *Automotive Restoration Technology Core*

- HI 205** History of the Automobile (3 hours)
  - TE 100** Intro to Restoration (2 hours)
  - TE 162** Technical Woodworking (OR)
  - TE 262** Machining Technology (3 hours)
  - TE 141** Engine Rebuilding (4 hours)
  - TE 145** Drive Train Rebuilding (4 hours)
  - TE 152** Sheet Metal Restoration (4 hours)
  - TE 202** Research & Documentation (2 hours)
  - TE 271** Chassis Restoration (3 hours)
  - TE 275** Automotive Paint Restoration (4 hours)
  - TE 281** Automotive Trim (4 hours)
  - TE 385** Restoration Assembly Processes (4 hours)
- 37 hours

#### *Business Management Courses*

- G-BA 101** Introduction to Business (3 hours)
- EC 202** Survey of Economics (3 hours)
- AC 205** Financial Accounting (3 hours)
- AC 206** Managerial Accounting (3 hours)
- BA 224** Principles of Management (3 hours)
- BA 325** Financial Management I (3 hours)
- BA 235** Small Business Management (3 hours)



**BA 315** Business Law (3 hours)  
**BA 321** Marketing (3 hours)  
**\*BA 339** Human Resources Management (3 hours)  
**BA 375** Junior Seminar (1 hour)  
**\*BA 475** Business Strategy and Policy (3 hours)  
34 hours

*71 hours in major*

## Automotive Communication Option

The goal of the Automotive Communications Major Option is to develop graduates who have the skills and technical knowledge to communicate effectively in a variety of media to an audience focused on automotive issues.

### Program Objectives (Option III)

This program achieves its purposes when its graduates:

- Demonstrate knowledge of methods and techniques necessary to complete and document historically accurate automotive restorations.
- Demonstrate knowledge of the historical role of the automobile in modern society and of historical automotive research material sources.
- Demonstrate oral and written communication skills necessary to pursue a successful career in automotive communication, publishing or other media.
- Design attractive, effective documents, graphics, and publications targeted at specific audiences.
- Understand the media of communication, including mass media and computer technologies.
- Make ethical choices in their professional lives.

### Requirements

#### *Automotive Restoration Technology Core Courses*

**HI 205** History of the Automobile (3 hours)  
**TE 100** Intro to Restoration (2 hours)  
**TE 162** Technical Woodworking (OR)  
**TE 262** Machining Technology (3 hours)  
**TE 141** Engine Rebuilding (4 hours)  
**TE 145** Drive Train Rebuilding (4 hours)  
**TE 152** Sheet Metal Restoration (4 hours)  
**TE 202** Research & Documentation (2 hours)  
**TE 271** Chassis Restoration (3 hours)  
**TE 275** Automotive Paint Restoration (4 hours)  
**TE 281** Automotive Trim (4 hours)  
**TE 385** Restoration Assembly Processes (4 hours)  
37 hours

#### *Communication Core Courses*

Students must complete the listed courses from the core communication curriculum and the listed courses from the multimedia communication emphasis.

#### *Communications Core*

**G-CM 120** Intro to Human Communication (3 hours)  
**CM 135** Journalism (3 hours)  
**G-CM 140** Public Speaking (3 hours)  
**CM 210** Multimedia Storytelling I (3 hours)  
**G-CM 221** Intercultural Communication (3 hours)  
**CM 305** Editing (OR)  
**CM 310** Public Relations (3 hours)  
**CM 315** Journalism Practica (3 hours)  
**CM 375** Junior Seminar (1 hour)  
**CM 388** Career Conn. in Communication (OR)  
**TE 388** Career Conn. In Technology (3 hours)  
**CM 475** Seminar in Communication (2 hours)  
**\*EN 313** Expository Writing (OR)  
**EN 420** Creative Writing (3 hours)  
30 hours

67 hours in major

## Automotive Restoration Design Technology Option

The Automotive Restoration Design Technology option is for the student who wishes to pursue a career in automotive art. This option will develop majors who possess the technical knowledge and artistic abilities necessary to execute a variety of art skills sensitively and intelligently, analyze and critique art, and relate the creative process to life in personally meaningful ways.

This degree option within the technology and art departments is oriented to meet the needs of students who (1) wish to develop and refine their aesthetic values (2) plan for careers as automotive artists (3) plan to further their art education in graduate school.

### Program Objectives (Option IV)

This program achieves its purposes when its graduates:

- Demonstrate an understanding of the major technological systems of the automobile.
- Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques.
- Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.
- Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete and document historically accurate automotive restorations.
- Demonstrate knowledge of the historical role of the automobile in modern society.
- Demonstrate knowledge of the role of the automobile in the history of transportation, technology and science.
- Demonstrate the attitudes, knowledge and skills necessary to pursue a successful career in automotive art using a variety of media.
- Demonstrate performance in a variety of art media.
- Demonstrate analysis and critique in verbal and written form.
- Demonstrate an understanding of design principles and elements.
- Demonstrate awareness of Western and non- Western cultural contributions to art.
- Demonstrate meaningful connections of art to life through the development of keen perceptual abilities.

### Requirements

#### *Automotive Restoration Technology Core Courses*

**HI 205** History of the Automobile (3 hours)  
**TE 100** Intro to Restoration (2 hours)  
**TE 110** Technical Drawing/CAD (3 hours)  
**TE 141** Engine Rebuilding (4 hours)  
**TE 145** Drive Train Rebuilding (4 hours)  
**TE 152** Sheet Metal Restoration (4 hours)  
**TE 162** Technical Woodworking (OR)  
**TE 262** Machining Technology (3 hours)  
**TE 202** Research & Documentation (2 hours)  
**TE 271** Chassis Restoration (3 hours)  
**TE 275** Automotive Paint Restoration (4 hours)  
**TE 281** Automotive Trim (4 hours)  
**TE 385** Restoration Assembly Processes (4 hours)  
37 hour

#### *Art Core Courses*

**G-AR 101** Drawing I (2 hours)  
**G-AR 102** Painting I (2 hours)  
**AR 103** Elementary Design (3 hours)  
**AR 202** Painting II (2 hours)  
**AR 203** Photography I (2 hours)  
**AR 230** Graphic Design I (3 hours)  
**AR/HI 245** The History of Automotive Design (3 hours)  
**G-AR 311** Art History II (4 hours)  
**AR 348** Intermedia (3 hours)  
**AR 475A** Senior Concentration (4 hours)  
38 hours

69 hours in major

*Automotive Restoration Design Major Internship/Field experience (recommended):*

**TE 295/495** Field Experience (work experience in automotive Art/Design) (OR) (1 - 4 hours)

**TE 388** Career Connections (Internship in automotive Art/Design) (1 - 12 hours)

1-12 hours total

## Automotive Restoration Technology Option

The Automotive Restoration Technology option is for the student who intends to pursue the authentic restoration of vintage and classic vehicles and develop values of craftsmanship, with attention to detail and an emphasis on authenticity. Graduates will be able to reference a wide variety of processes, methods and will have research capabilities. Graduates will be able to understand the automobile as a technological system and understand its development and role in the world.

### Program Objectives (Option V)

This program achieves its purposes when its graduates:

- Demonstrate an understanding of the major technological systems of the automobile.
- Demonstrate an understanding of authentic antique automobile restoration materials, methods and techniques.
- Possess knowledge of historical automotive research material sources, methods and techniques necessary to complete and document historically accurate automotive restorations.
- Demonstrate proficiency in the use of the materials and tools necessary to complete authentic automobile restoration work.
- Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique automobile restoration.
- Demonstrate knowledge of the historical role of the automobile in modern society.
- Demonstrate knowledge of related and supporting scientific fields.

### Requirements

*Automotive Restoration Technology Core Courses*

**HI 205** History of the Automobile (3 hours)

**TE 100** Intro to Restoration (2 hours)

**TE 141** Engine Rebuilding (4 hours)

**TE 145** Drive Train Restoration (4 hours)

**TE 152** Sheet Metal Restoration (4 hours)

**TE 162** Technical Woodworking (3 hours)

**TE 202** Research & Documentation (2 hours)

**TE 262** Machining Technology (3 hours)

**TE 271** Chassis Restoration (3 hours)

**TE 275** Automotive Paint Restoration (4 hours)

**TE 281** Automotive Trim (4 hours)

**TE 301** Materials and Processes (3 hours)

**TE 360** Electrical & Electronic Systems (4 hours)

**TE 375** Junior Seminar (1 hour)

**TE 385** Restoration Assembly Processes (4 hours)

**TE 475** Senior Project (4 hours)

*6 credit hours from the following upper-level courses:*

**TE 341** Advanced Engine Rebuilding (3 hours)

**TE 452** Advanced Sheet Metal Restoration (3 hours)

**TE 480** Advanced Automotive Paint Restoration (3 hours)

**TE 481** Applied Trim and Upholstery (3 hours)

*3 credit hours from the following courses:*

**TE 252** Vintage Panel Restoration (3 hours)

**TE 242** Re-Babbiting (spring - on demand) (3 hours)

**TE 353** Finishing Touches (3 hours)

**TE 380** Applied Diagnostics (3 hours)

**TE 388** Internship (3 hours)

*60 hours in major*

### Recommended Supporting Courses:

**AR/HI 245** The History of Automotive Design (3 hours)

**G-BA 101** Intro to Business (3 hours)

**G-CH 101** Principles of General Chemistry (4 hours)

**G-PH 215** General Physics (4 hours)

**TE 110** Engineering Drawing/CAD (3 hours)

## Motorcycle Restoration Technology Option

Motorcycle Restoration Technology is the option for the student who intends to pursue the authentic restoration of vintage and classic motorcycles and to help develop values of craftsmanship, with attention to detail and an emphasis on authenticity. Graduates will not only possess a wide range of knowledge of the processes necessary to complete the restoration but have the research skills to ensure an accurate and authentic restoration. Graduates will understand the technical systems of the motorcycle as well as its role in society and the world of transportation.

### Program Objectives (Option VI)

This program achieves its purposes when its graduates:

- Demonstrate an understanding of the major technical systems of the motorcycle.
- Demonstrate an understanding of authentic antique and vintage motorcycle restoration materials, methods and techniques.
- Possess knowledge of historical motorcycle research material sources, methods and techniques necessary to complete and document historically accurate motorcycle restorations.
- Demonstrate proficiency in the use of the materials and tools necessary to complete authentic motorcycle restoration work.
- Demonstrate the attitudes, knowledge and skills necessary to pursue a successful business career in antique and vintage motorcycle restoration.
- Demonstrate knowledge of the historical role of the motorcycle in modern society.

### Requirements

**TE 206** Motorcycle History and American Society (3 hours)

**TE 100** Intro to Restoration (2 hours)

**TE 141** Engine Rebuilding (4 hours)

**TE 145** Drive Train Restoration (4 hours)

**TE 152** Sheet Metal Restoration (4 hours)

**TE 262** Machining Technology (3 hours)

**TE 271** Chassis Restoration (3 hours)

**TE 275** Automotive Paint Restoration (4 hours)

**TE 281** Automotive Trim (4 hours)

**TE 360** Electrical & Electronic Systems (4 hours)

**TE 385** Restoration Assembly Processes (4 hours)

**TE 341** Motorcycle Engines (3 hours)

**TE 371** Motorcycle Chassis & Drive Train (3 hours)

**TE 384** Motorcycle Assembly Processes (3 hours)

**TE 375** Junior Seminar (Restoration) (1 hours)

**TE 475** Senior Project (4 hour)

*Choice of one advanced course: 3 hours*

**TE 452** Advanced Sheet Metal Restoration - with Motorcycle Option

**TE 480** Advanced Paint - with Motorcycle Option

**TE 481** Applied Trim & Upholstery - with Motorcycle Option

*Choice of one of the following courses: 3 hours*

**TE 353** Finishing Touches (3)

**TE 301** Materials and Processes (3)

**TE 380** Applied Diagnostics (3)

**TE 388** Internship

*61 hours in major*

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# Auto Restoration Technology Course Descriptions

**TE 100 Intro To Restoration**

*2 hours*

A course designed to provide an overview of the restoration core courses, elective courses, general safety and shop knowledge. This course will provide historical information about the automotive industry, information about research, documentation and planning a restoration project. Prerequisites: None. (Fall)

#### **TE 110 Engineering Drawing/CAD**

*3 hours*

This course blends the art and science of freehand sketching and technical drafting as students are introduced to the graphic languages as a medium of technical communication. Topics include freehand (isometric) sketching and traditional (orthographic) drafting as well as an introduction to two and three dimensional CAD (Computer Assisted Drawing) tools and processes. Prerequisites: None. Spring, odd years

#### **TE 141 Engine Rebuilding**

*4 hours*

A course designed to teach students the basics of automotive engine restoration. This course includes work in basic engine and related systems, operational theory, disassembly procedures, diagnosis of mechanical faults, evaluating engine condition, engine rebuilding techniques and engine machining processes. Students will work on vintage automobile engines, rebuilding engine components as determined by the instructor. Lab Fee. Prerequisite: TE 100, TE 262 taken concurrently or consent of the instructor. (Fall, Spring)

#### **TE 145 Drive Train Rebuilding**

*3 hours*

A course designed to teach students the basics of automotive drive train restoration. This course includes work in basic transmission and differential operational theory, disassembly procedures, diagnosis of mechanical faults and evaluating transmission and final drive condition, transmission and differential rebuilding techniques and procedures. Students will work on vintage automobile transmissions and differential assemblies as determined by the instructor. Lab Fee. Prerequisite: TE 100 taken concurrently. (Fall, Spring)

#### **TE 152 Sheet Metal Restoration**

*4 hours*

A course designed to teach students the basics of welding and auto body panel fabrication as used in automobile restoration. This course includes work in basic welding processes, techniques, operational theory and related systems and basic auto body panel fabricating processes, techniques, tool operational theory and related fabrication systems, assembly procedures for auto body panels, and evaluating metal body component condition. Lab Fee. Prerequisite: TE 100 taken concurrently. (Fall, Spring)

#### **TE 162 Technical Woodworking**

*3-4 hours*

This course will introduce students to the concepts and practices of basic woodworking, including planning, fabrication and finishing, while stressing the safe operation of power tools used in basic woodworking. The course will also examine the history and evolution of the American automobile in general and automotive coach building in particular. Prerequisite: TE 100 taken concurrently. Lab Fee. (Fall, Spring)

#### **TE 202 Research & Documentation**

*2 hours*

This course will introduce students to practical research, documentation and planning related to restoring antique automobiles. (Fall)

#### **TE 206 Motorcycle History and American Society**

*3 hours*

A study of the evolution of motorcycle culture, and the impact of that culture on American society. Prerequisite: None (Fall, odd years)

#### **TE 242 Re-Babbitting**

*3 hours*

An intensive, lab-based course in the restoration and re-Babbitting of antique automotive engines and mechanical components. Lab Fee. Prerequisites: TE 100, TE 141, TE 262 (On Demand)

#### **TE 245 The History of Automotive Design**

*3 hours*

Discover and examine the technological and stylistic evolution of automotive design. This course will explore ways in which automobiles, by way of their design, reflect the technology and communicate the values of the culture that produced them. Prerequisites: None. (Spring)

#### **TE 252 Vintage Panel Restoration**

*3 hours*

An intensive, lab-based course in the restoration or fabrication of antique auto body panel components (not applicable as an advanced course). Lab

Fee. Prerequisites: TE 100, TE 152. (Interterm)

### **TE 262 Machining Technology**

*3 hours*

An introduction to machining technology. Students are introduced to blueprint reading, precision measurement, the theory and operation of machine tools, layout techniques and the use of layout tools, the characteristics of common industrial metals used in machining processes, machine maintenance, and nontraditional machining processes. Lab work required. Lab Fee. Prerequisite: (Fall, Spring)

### **TE 271 Chassis Restoration**

*4 hours*

A course designed to teach students the basics of automotive chassis restoration. This course includes restoration work in basic frame, suspension, wheel, brake and drive train components. Operational theory and other related chassis systems, disassembly procedures, diagnosis of mechanical faults, component condition, and brake systems machining processes are also included. Students will work on vintage automobile chassis and related components. Lab Fee. Prerequisite: TE 100, TE 141, TE 145. (Fall, Spring)

### **TE 275 Automotive Paint Restoration**

*4 hours*

A course designed to teach students the basics of automotive paint restoration. This course emphasizes panel preparation, paint systems and paint application, disassembly and documentation procedures, diagnosis of auto body and interior painted surface faults and evaluating the auto body condition. Students will work on vintage automobile bodies and related components. Lab Fee. Prerequisite: TE 100 taken concurrently or consent of the instructor. (Fall, Spring)

### **TE 281 Automotive Trim**

*4 hours*

A course designed to teach students the basics of automotive trim (upholstery) restoration. This course includes restoration work in basic automotive seats, interior panels, convertible and other top covering restoration. Also included are disassembly procedures, diagnosis of upholstery and trim and interior faults and evaluating the interior condition. Students will work on vintage automobile interiors and related components. Lab Fee. Prerequisite: TE 100. (Fall, Spring)

### **TE 301 Materials and Processes**

*3 hours*

This course will explore the history and cultural impacts of the development of engineering materials and processes. Students will gain a working knowledge of the properties and strengths of materials and gain a working knowledge of classic industrial processes and be able to apply that knowledge to the restoration and preservation of antique automotive systems and structures. This class will include field trips to various industrial facilities.. Lab Fee. Prerequisites: None. (Interterm.)

### **TE 311 Advanced Topics in Engineering Drawing/CAD**

*4 hours*

A continuation of TE 110. Includes revolutions, tolerance dimensioning, threads and fasteners, sections, working drawings, surface and solid generation. Prerequisite: TE 110 (On demand)

### **G-TE/HI 333 Technology and Society**

*3 hours (Language Intensive)*

An introduction to the historical development of technology as part of society and culture, exploring the ways which society and culture constrain and stimulate technologies, and the ways in which technology then shapes society and culture. Does not require previous specialized technical knowledge. This course is designed for both majors and non-majors. Prerequisite: G-EN 111 or consent of the instructor. (Fall.)

### **TE 341 Advanced Engine Rebuilding**

*3 hours*

This course is designed to build on the skills and knowledge gained in TE 141. This class will focus on designs and construction techniques which apply specifically to vintage engines. This class will also explore the practical application of techniques gained in TE 141 to more complex and vintage engines. Repairing damaged or severely worn components will be the focus of one major Rebuilt engines will then be tested on a dynamometer to assess the rebuild. Lab Fee. Prerequisites: TE 100, TE 141, TE 262. (Fall)

### **TE 342 Motorcycle Engine Rebuilding**

*3 hours*

This course will focus on rebuilding single and multi-cylinder engines used in motorcycles prior to 1970 as well as various other small engines of similar design. Lab Fee. Prerequisite: TE141 (Spring)

**TE 353 Finishing Touches**

*3 hours*

A course designed to teach three skills needed for the restoration of early era vehicles. Students will learn to restore and polish hard trim moldings, restore wood grained interior moldings and the art of pinstriping. Lab Fee. Prerequisites: TE 100, TE 152, TE 275 or consent of the instructor. (on demand)

**TE 360 Electrical and Electronic Systems**

*4 hours*

This course will address the characteristics and operations of electrical and electronic systems with special emphasis on their practical application in automotive systems. The course will introduce Ohm's Law, electrical power, circuit elements and magnetism and induction in electrical circuits. Special emphasis is given to the use of this knowledge in the repair, restoration, and preservation of classic and antique automotive electrical systems. Lab Fee. Prerequisite: TE 100, TE 141, TE 271. (Fall, Spring).

**TE 371 Motorcycle Drivetrain & Chassis Restoration**

*3 hours*

This course on diagnosing problems, repairing and restoring motorcycle transmissions and chassis components including forks, wheels and tires, and brakes. Lab Fee. Prerequisite: TE271 (on demand)

**TE 375 Junior Seminar (Juniors, Option V and VI only)**

*1 hour*

This course will explore how to create a professional portfolio, how to properly research restoration, how to manage tasks in relation to a timeline, how to prepare for senior project, and professional ethics. For juniors in Option V and VI only. Prerequisites: TE 100, TE 141, TE145, TE 152 or consent of the instructor, (Fall)

**TE 380 Applied Diagnostics**

*3 hours*

An exploration of vintage automotive diagnostics, including a basic overview of automotive electrical systems, fuel and ignition systems, drive train and chassis systems. Basic failure modes of these systems will be explored and will be experienced in the laboratory. Integration of the theory and practice of diagnostics will be explored in a classroom and lab setting. Proper use of diagnostic tools, diagnostic literature and methodology will be taught. Students will work with vintage automobiles and related components. Lab Fee. Prerequisites: TE 100, TE 141, TE 145, TE 271, TE 360. (Interterm)

**TE 385 Restoration Assembly Processes**

*4 hours*

A course designed to allow students to refine their skills from other courses in a comprehensive format. Students will work on vintage automobiles and their components, rebuilding and reassembling these components. Hard metal trim restoration and other specialized restoration processes may also be explored depending on project vehicles available. Lab Fee. Prerequisite: TE 100, TE 141, TE 145, TE 152, TE 162, TE 262, TE 271, TE 275, TE 281 or consent of the instructor. (Fall, Spring)

**TE 384 Motorcycle Restoration Assembly Processes**

*4 hours*

A course designed to allow students to refine their skills from other courses in a comprehensive format. Students will work on vintage motorcycles and their components, rebuilding and reassembling these components. Lab Fee. Prerequisite: TE 262, TE 275, TE 281, TE 342, TE 371 or consent of the instructor. (Fall)

**TE 406 Advanced Topics in Woodworking and Design**

*4 hours*

A study of the nature of wood, identification of wood, and joinery. Special emphasis is given to the use of this knowledge in the design, construction, restoration and preservation of automotive coachwork and related wood products. Prerequisites: TE 110 and TE 162. Lab fee. (On demand)

**TE 414 Advanced Electrical & Electronic Systems**

*3 hours*

A student-guided study of the design, operation, and characteristics of specialized automotive electrical systems including gauges and instruments, clocks and radios, lighting and accessory systems, and specialized ignition systems. This course will address reading and interpreting automotive wiring diagrams and will include design and construction of authentic wiring looms and harnesses. Special emphasis is given in this course to the repair, restoration and preservation of classic and antique automobile electrical systems. Lab Fee. Prerequisites: TE 360 (Spring)

**TE 452 Advanced Sheet Metal Restoration**

3 hours

A study of special sheet metal restoration techniques, including the use of power tools in fabrication, creating complex compound curves, repairing extremely damaged components and the craft of creating custom tooling. Students will build experience and confidence in their skills in the laboratory. Lab Fee. Prerequisites: TE 100, TE 152. (Spring)

#### **TE 475 Restoration Technology Senior Project (Seniors, Option V and VI only)**

4 hours (Language Intensive)

This course will be a practical and realistic experience in which students will study a specific aspect of automotive restoration and complete restoration work on one of many college-owned vintage cars or projects related to their study. Students will present the completed research and restoration plan to complete a capstone experience. Prerequisite: TE 375. (Fall)

#### **TE 480 Advanced Automotive Paint Restoration**

3 hours

This course will build on concepts introduced in TE 275. Safety issues related to painting, paint history, special painting techniques and proper documentation of vehicle components will be a major emphasis. Students will work to increase their painting skills through practical experience. Lab Fee. Prerequisites: TE 100, TE 275. (Fall)

#### **TE 481 Applied Trim and Upholstery**

3 hours

A course that builds students' hands-on experience in automotive soft trim restoration and replacement. Lab Fee. Prerequisites: TE 100, TE 281. (Spring)

#### **Individualized Courses Available**

295/495 Field Experience (1-4 hours)

\*299/499 Independent Study (1-4 hours)

388 Career Connections (1-12 hours)

\*445 Readings and Research (1-4 hours)

#### **\* Prerequisite Policy: (TE 299/499 and TE 445)**

The student must submit to the appropriate instructor a written proposal of study, prior to enrollment in the course, including the following components:

1. statement of the student's acceptance of the goals of topics courses: to provide the opportunity for specialized unit shop teaching endorsements, study of advanced content, and the development of teaching and training skills;
2. goals, project plans, and a detailed weekly schedule, consistent with the course syllabus;
3. evidence of academic maturity, self-motivation, and desire to serve as an appropriate role model for students in lower-level classes in similar content area;
4. agreement to schedule the lab time of the topics course at the same time the lower-level course is offered; and
5. evidence that the student has completed all lower-level course(s) in the corresponding content area with a minimum B (3.0) average and a minimum B (3.0) overall college grade point average; or permission of the instructor to waive the grade

Upon instructor approval of the proposal, an interview will be scheduled with the student to discuss the arrangement and any further details prior to granting final permission for the student to enroll in the course.

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## **Business Program**

### **Purpose Statement**

The department commits itself to fostering students' learning so that they are prepared for professional pursuits and/or graduate study.

The department achieves this purpose when its graduates can

- demonstrate knowledge, understanding, and application of the principles, concepts, and tools in each key content area of their major;
- perform research, analysis, and critical thinking necessary to integrate key content from various business disciplines and other dimensions of society;
- perform effectively in groups;
- persuasively communicate business-related ideas in a variety of media and settings.
- develop a global mindset recognizing the diversity of cultures, practices, traditions, and philosophies. Be able to adapt to a changing world.

One major and one interdisciplinary major are available within the Department of Business Administration. Within the Business Administration major, there



are four emphasis areas, and a student must choose at least one area in which to concentrate their study: Management, Marketing, Finance, and Accounting.

### **Core Requirements for all Business Majors: 41 hours**

- G-BA 101** Introduction to Business (3 hours)
- EC 201** Principles of Economics: Macro (3 hours)
- EC 204** Principles of Economics: Micro (3 hours)
- AC 205** Financial Accounting (3 hours)
- AC 206** Managerial Accounting (3 hours)
- \*G-CM 218** Business Communication Applications (3 hours)
- G-BA220** Business Applied Statistics (4 hours)
- BA221** Marketing (3 hours)
- BA 224** Principles of Management (3 hours)
- BA 315** Business Law (3 hours)
- BA/AC 320** Management/Accounting Information Systems (3 hours)
- BA 325** Financial Management I (3 hours)
- BA 375** Business Ethics (1 hour)
- \*BA 475** Business Strategy and Policy (3 hours)

### **Accounting Emphasis**

- AC 305** Intermediate Accounting I (3 hours)
- AC 306** Intermediate Accounting II (3 hours)
- AC 315** Cost Accounting (3 hours)
- AC 316** Individual Income Tax (3 hours)
- AC 437** Principles of Auditing (3 hours)

Hours in ACCOUNTING: 15 hours

Business Elective Hours: 6 hours

**41 Core + 15 ACCOUNTING + 6 Elective = 62 total hours**

### **Management Emphasis**

- BA 324** Organizational Behavior (3 hours)
- \*BA 339** Human Resource Management (3 hours)
- BA342** International Business (3 hours)
- BA 490** Operations Management (3 hours)

Hours in MANAGEMENT: 12 hours

Business Elective Hours: 9 hours

**41 Core + 12 MANAGEMENT + 9 Elective = 62 total hours**

### **Financial Emphasis**

- AC 305** Intermediate Accounting I (3 hours)
- EC 451** Money and Banking (3 hours)
- BA 426** Financial Management II (3 hours)
- BA428** Investments (3 hours)

Hour in FINANCE: 12 hours

Business Elective Hours: 9 hours

**41 Core + 12 FINANCE + 9 Elective = 62 total hours**

### **Marketing Emphasis**

- BA 322** Advertising and Promotion (3 hours)
- BA 327** Consumer Behavior (3 hours)
- BA342** International Business (3 hours)
- BA 427** Marketing Research (3 hours)

Hours in Marketing: 12 hours

Business Elective Hours: 9 hours

**41 Core + 12 MARKETING + 9 Elective = 62 total hours**

## Departmental Minors

### Business Administration Minor: 24 total hours

- G-BA 101** Introduction to Business (3 hours)
- AC 205** Financial Accounting (3 hours)
- AC 206** Managerial Accounting (3 hours)
- EC202** Survey of Economics (3 hours)
- BA 224** Principles of Management (3 hours)
- BA 221** Marketing (3 hours)
- BA 315** Business Law (3 hours)
- BA 325** Financial Management I (3 hours)

### International Business Minor: 18 total hours

- BA 342** International Business (3 hours)
- G-PS 125** International Relations (3 hours)
- EC 451** Money and Banking (International Finance) (3 hours)

Choose 2 trips or 2 Modern Language classes or any combination for 6 hours

- \*BA 342IT** International Travel (2 trips) (6 hours)
- \*G-ML 108** Spanish I (3 hours)
- \*G-ML 109** Spanish II (3 hours)

3 Hours in supporting courses: World Religions, Intercultural Communication, non-US modern history or Political Science

## Other Business Concentrations

In addition to the prescribed majors outlined above, there are other ways in which a student may seek concentration in fields within this department.

### Technology Major: Automotive Restoration Management

The goal of the Automotive Restoration Management option is to develop graduates who are prepared for professional pursuits and/or graduate study.

### Music Major: Music Business Administration

### Art Major: Graphic Design Marketing

## Interdisciplinary Alternatives

McPherson College offers students the opportunity to create their own major courses of study. Proposals for such majors must be approved by the Educational Policies Committee and must satisfy criteria for acceptable levels of academic rigor and integrity. The interdisciplinary section of this catalog provides more information. Students have successfully proposed such personalized programs in business-related areas such as Sports Management and Marketing.

## CPA Study

Students who are currently interested in sitting for the CPA (Certified Public Accountants) exam must meet the requirements as determined by the State Board of Accountancy. One of the requirements to sit for the CPA exam is 150 hours of college credit. McPherson College advises students pursuing a career in public accounting to complete their undergraduate degree at McPherson College and then complete a master's degree in business or accounting. To facilitate this approach, McPherson College has entered into articulation agreements with Emporia State University, Wichita State, and Fort Hays State. For additional information, contact Professor Rod Gieselmann at 620-242-0539 or Professor David O'Dell at 620-242-0541.

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## Business Course Descriptions

### Economics

#### ED 201 Principles of Economics: Macro

*3 hours*

The first semester of general economics deals with these major topics: supply and demand, the market system, the role of government; unemployment, economic fluctuations; fiscal and monetary policy approaches to economic stabilization; impact of international trade issues on domestic economic problems. (Fall)

### **EC 202 Survey of Economics**

*3 hours*

This course is designed to provide non-business majors with a basic understanding of key economic principles from both the “macro” and “micro” perspectives. Topics will include: supply and demand, economic goals and measures, market types, economic fluctuations, monetary and fiscal policy, and international trade. (even Spring)

### **EC 204 Principles of Economics: Micro**

*3 hours*

The second semester of general economics study. The course focuses on concepts of supply and demand in the context of perfect and imperfect product and resource markets. In addition, students apply economic concepts to a variety of current topics, labor unions, income distribution, and health care. It is recommended, but not required, to take EC 201 prior to EC204. (Spring)

### **ED 451 Money and Banking**

*3 hours*

A study of the nature and function of money, its relation to prices, and the many functions of the American banking system. Prerequisite: EC 204, AC 206. (Fall)

## **Accounting**

### **AC 205 Financial Accounting**

*3 hours*

A study of the elements of accounting, the balance sheet, income statement, principles of double entry accounting, the process of closing books, and depreciation methods. (Fall)

### **AC 206 Managerial Accounting**

*3 hours*

A continuation of Financial Accounting, with the emphasis on various entity capital structures, analysis and interpretation of financial statements, statement of cash flows, present value concepts, and introduction to cost accounting. Prerequisites: AC 205. (Spring)

### **AC 305 Intermediate Accounting I**

*3 hours*

The first of two in-depth financial accounting courses. The conceptual framework, critical analysis of generally accepted accounting principles, and applications are stressed. Topics include the balance sheet, income statement, the statement of cash flows debt financing, equity financing, earnings per share, and accounting changes and error correction. Prerequisites: EC 204,C or better in AC 205. (Fall)

### **Ac 306 Intermediate Accounting II**

*3 hours*

The second of two in-depth financial accounting courses. Continued in-depth analysis of generally accepted accounting principles and related applications are emphasized. Topics include the earnings management, revenue cycle, revenue recognition, inventory and cost of goods sold, non-current operating assets, investments, leases, income taxes, pensions, other payroll topics, derivatives, contingencies, etc. Prerequisites: AC 305.(Spring)

### **AC 315 Cost Accounting**

*3 hours*

The study of standard costing, cash budgeting, process costing, job order costing and their applications to the management decision process. Prerequisite: AC 206, BA 224. (Fall, even years)

### **AC 316 Individual Income Tax**

*3 hours*

The study of individual income tax theory, planning and application. Prerequisites: EC 204, AC 206, BA 224. (Fall, odd years)

### **Ac 320 Accounting Information Systems**

*3 hours*

The concept of accounting information systems refers to all accounting procedures designed and implemented to ensure that transactions are

properly recorded, processed, and disclosed. This course will use the case method of instruction to assist student skill development in evaluation and construction of accounting systems through application of the systems approach. Basic systems concepts and computer resources will be addressed concurrently with BA 320. Students may not receive credit for both AC 320 and BA 320. Prerequisites: AC 206, BA 224. (Spring,)

### **AC 437 Auditing**

*3 hours*

The following topics are included in this course: theory and application of the following concepts: materiality, risk, internal control evaluation, and audit evidence (analytical and substantive). Students will learn to evaluate the risk of financial statement assertions and choose appropriate audit procedures. This course concentrates on auditing standards generally accepted in the United States as issued by the AICPA auditing standards board and PCOAB. Other items include financial statement fraud, independence, legal liability, and ethical responsibilities. Prerequisites: AC 306, 315, and 320. (Spring, odd years)

## **Business Administration**

### **G-BA 101 Introduction to Business**

*3 hours*

An introduction to the study of business for all students entering the business program at McPherson College. The course will highlight topics such as the environment of business, current business trends, business management, management of human resources, marketing management, information management, and managing financial resources. In addition, the course will examine McPherson College curriculum and resources, career aspirations, and necessary business skills. (Fall and Spring)

### **G-CM 218 Business and Professional Communication**

*3 hours (Language Intensive)*

Business and Professional Communication is a course designed to expose students to strategies for effective communication in a business environment. Students will deal with both oral and written forms of communication. The course will also deal with the effective communication of information through the use of spreadsheets and graphs, as well as on-line communication skills that are essential to success in today's business environment. Students will learn effective techniques for using technology to enhance an oral presentation as well. (Fall)

### **G-BA 220 Business Applied Statistics**

*4 hours*

A study of the principles of descriptive statistics, probability, sample and population relationships, estimation, and hypothesis testing. The student will receive a solid foundation in mathematical theory, practical application, and MS Excel. Prerequisites: ID119 Intermediate Algebra with a grade of C or better, or three years of high school mathematics and an ACT mathematics score of 22, or an appropriate score on the departmental placement test. (Spring)

### **BA 224 Principles of Management**

*3 hours*

An introductory study of management based on the four primary functions of management: planning, organizing, leading, and controlling. Students will also have the opportunity to survey a variety of management literature. (Fall and Spring)

### **G-BA 230 Personal Finance**

*3 hours*

This course provides an overview of personal and family financial planning with an emphasis on financial recordkeeping, planning your spending, tax planning, consumer credit, making buying decisions, purchasing insurance, selecting investments, and retirement and estate planning. This class is recommended for non-business majors in their junior or senior years. (Fall)

### **BA 235 Entrepreneurship and Small Business Management**

*3 hours*

Focus is on the start-up and development of a small business. Topics include acquisition of capital; design of accounting systems and cash control; principles of taxation and payroll deductions; financial statement analysis; legal issues related to workers' compensation, product liability, contracts fundamentals, and forms of business organization; election, hiring, and appraisal of employees; marketing of product; inventory control; location and facilities analysis; and regulatory impacts. Course requires preparation of a complete business plan. Prerequisite: AC 205. (Fall)

### **BA 315 Business Law**

*3 hours*

This course is designed to help students master the fundamental and legal and regulatory knowledge necessary to perform in today's business environment. Students will develop an understanding of how to solve a legal problem and will study topics such as contracts, sales governed by the UCC, bankruptcy, principle-agent relationships and employer/employee legal issues. (Spring)

### **BA 320 Management Information Systems**

*3 hours*

The concept of management information systems refers to all management procedures designed and implemented to insure that data related to the basic goals, strategies, and operations of the business entity are properly and timely collected, processed, and reported. This course will use the case method of instruction to assist student skill development in evaluation and construction of management systems through application of the systems approach. Basic systems concepts and computer resources will be addressed concurrently with AC 320. Students may not receive credit for both BA 320 and AC 320. Prerequisites: BA 224. (Spring)

#### **BA 221 Marketing**

*3 hours*

A study of marketing institutions and the functions which they perform: pricing, promotion, distribution, and product development. The course will also address effects of external domestic and international environments on marketing strategy. (Fall)

#### **BA 322 Advertising and Promotion**

*3 hours*

Advertising and promotion is a course that directly relates to marketing and how advertising drives the company's marketing plan. The class will explore all forms of print and electronic media and learn to evaluate the effectiveness of advertising. The class will revolve around applying material from the text, to developing and executing an actual advertising plan. Client meetings will be held with the organization we will be preparing advertising. After the completion of this course, students will have a full understanding of what goes into an advertising campaign. The students will have a greater appreciation for what it takes to produce a 30-second commercial and budgeting, negotiating and persuading the client. Prerequisite: BA 221 (Fall)

#### **BA 324 Organizational Behavior**

*3 hours*

In depth exploration of the management functions of organizing and leading/directing. Emphasis on individual motivation, group process and team management, leadership styles and effectiveness, organizational communication, decision-making, managing global workforces and diversity, management of change, organizational culture, and organizational design. Prerequisite: BA 224 Principles of Management (Fall)

#### **BA 325 Financial Management I**

*3 hours*

A study of concepts in financial management including evaluation of financial performance, valuation of securities, and capital budgeting. This course includes a term project designed to evaluate the financial performance of publicly traded companies within an industry. Prerequisites: AC 206 (Fall)

#### **BA 327 Consumer Behavior**

*3 hours*

This course is designed to help students evaluate why people do what they do when they buy something. Students will examine behavioral science concepts applicable to understand the buyer's behavior and investigate specific processes of consumer decision-making. Topics will include: purchase decisions, reference groups; and sociological, psychological, and economic aspects of consumer behavior. Additional topics will include: environmental influences on consumer evaluation, consumer attitudes, and post-purchase evaluation. Prerequisite: BA 221. (Spring)

#### **BA 339 Human Resource Management**

*3 hours (Language Intensive)*

A study of the processes, problems, and opportunities associated with the human resources deployed by an organization. Major topics include planning, staffing, training and development, compensation, employee relations. Prerequisites: BA 224 and BA 324. (Spring)

#### **BA 342 International Business**

*3 hours*

A study from the manager's perspective in the fields of international trade and investment, balance of payments, international financial markets and monetary systems, national trade policy and laws. Also addresses cultural variables in business, and examines how each of a number of basic management activities must be dealt with differently in the international environment than in a purely domestic setting. Prerequisites: EC 204, BA 224. (Fall)

#### **BA 426 Financial Management II**

*3 hours*

The continuing study of financial management concepts including cost of capital, capital structure, dividend policy, working capital management, lease financing, corporate restructuring, and international finance. Prerequisites: BA325 and AC305. (Spring)

#### **BA 428 Investments**

*3 hours*

A study of investment media, sources of investment information, the stock risk, modern portfolio theory, and the analysis and evaluation of industries and firms. As part of this class students manage \$100,000 of the college's endowment. Prerequisite: EC 204, AC 206, and BA 325(Spring)

### **BA 427 Marketing Research**

*3 hours*

This course concerns the use of marketing research as an aid to making marketing decisions. It focuses on the different types of marketing research (qualitative and quantitative) as well as the complex issues at each stage of the marketing research process, including research objectives, questionnaire construction (specifically for survey research), sampling, data collection, and statistical analysis. Additionally this course addresses how the information used to make marketing decisions is gathered and analyzed.

The course focuses on the different types of marketing research (qualitative and quantitative) as well as the complex issues at each stage of the marketing research process, including research objectives, questionnaire construction (specifically for survey research), sampling, data collection, and statistical analysis. Accordingly, this course is appropriate for both prospective users of research results and prospective marketing researchers. Prerequisite: BA 221 , BA322, BA327. (Spring)

### **BA 490 Operations Management**

*3 hours*

The course builds on the systematic application of quantitative techniques to business problems. Techniques such as Six Sigma will be addressed as a practical application to base management decisions in manufacturing settings as well as service industries. Prerequisites: BA224. (Fall)

### **BA 375 Business Ethics**

*1 hour (Junior Seminar)*

This course is a study of the ethical issues that confront persons within the context of business. It examines frameworks for ethical analysis and contemporary business issues most likely to confront students with ethical questions in the future. These frameworks are applied in multiple case studies. Prerequisites: Prior completion of or contemporaneous enrollment in all other major requirements except courses numbered in the 400's. (Spring)

### **BA 475 Business Strategy and Policy**

*3 hours (Senior Seminar and Language Intensive)*

This is a capstone course for all Business majors. This course is an intense study of the role of strategic planning in the success of an organization. It provides a framework for such planning and the practical application of strategic planning through case studies. Prerequisites: Prior completion of or contemporaneous enrollment in all other major requirements. (Spring)

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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# **Communication Program**

## **Purpose Statement**

The Communication program aims to develop majors who can communicate in a variety of media with diverse audiences. Students who complete the major in communication can expect to develop

- Confidence and competence in public presentations.
- Effective, productive, and ethical communication skills for building personal and organizational relationships.
- Knowledge about the mass media and how those media affect how we communicate.
- Knowledge of how advertising and publicity messages are used and the ability to craft such messages.
- Skill in using communication technology and in evaluating how technology affects communication.
- The ability to effectively communicate within and across gender and cultures.
- Strategies for effectively managing conflict.
- Competence in constructing and analyzing arguments intended to influence beliefs, attitudes, values, and practices.
- Knowledge of theories that explain interpersonal, organizational, and mass mediated communication, and competence in systematic inquiry, including an understanding of the limitations of conclusions.

- Strategies to collect accurate information through observation, interviews, and research.
- Skill in obtaining still images, audio, and video, and combining these media with text to tell compelling stories.
- Ability to recognize and correct errors in standard written English and in improving the style and structure of written texts.
- Competence in designing, laying out, and publishing content online and in print.

## Communication Major

### Requirements

- G-CM 120** Introduction to Human Communication (3 hours)
- \*G-CM 130** Interpersonal Communication (3 hours)
- CM 135** Journalism (3 hours)
- G-CM 140** Public Speaking (3 hours)
- AR 203** Photography I (2 hours)
- CM 210** Multimedia Storytelling (3 hours)
- \*G-CM 221** Intercultural Communication (3 hours)
- G-MA 221** Elementary Applied Statistics (4 hours)
- G-AR 220** Graphic Design for non-art majors (3 hours)
- CM 240** Gender Communication (3 hours)
- CM 305** Editing (3 hours)
- CM 310** Public Relations (3 hours)
- \*EN 313** Advanced Expository Writing (3 hours)
- CM 315** Journalism Practicum (2 hours)
- CM 325** Conflict Communication (3 hours)
- CM 330** Persuasion (3 hours)
- CM 350** Web-based Design for Effective Comm. (3 hours)
- CM 375** Junior Seminar in Communication (1 hour)
- \*CM 475** Sr. Seminar in Communication (3 hours)

*Total: 54 hours*

### Competency Exam

Students who plan to major in Communication must pass a writing competency exam. This exam will be offered in the spring semester, before pre-enrollment for the fall. Transfer students will take the exam early in their first semester at the college. Students who fail the exam may re-take it after participating in guided study and practice of writing.

## Communication Minor

*A minor in communication consists of*

- G-CM 120** Introduction to Human Communication (3 hours)
- CM 135** Journalism (3 hours)

plus 14 hours from any other courses with a CM prefix. Students may take a maximum of four hours in CM315 practica.

## Teacher Education Program

The academic program offered by the Department of Curriculum and Instruction is essential for achieving the college's mission of developing whole persons through scholarship, participation, and service. It also reflects the heritage of the college and the Church of the Brethren, which includes a dedication to a liberal arts education and values that promote ethical behavior, non-violence and peace, a simple lifestyle, and a dedication to serving others.

The primary focus of the Department of Curriculum and Instruction is on the preparation of education professionals. Teacher education at McPherson College has long been one of the foundational cornerstones on which the institution was established.

### Teacher Education Undergraduate Licensure Program

#### Mission Statement

The mission of the Teacher Education Undergraduate Licensure Program of McPherson College is to develop service-oriented educators who effectively blend the art and science of teaching.

## Goals, Objectives, and Dispositions

*Goal I:* The candidate has the knowledge bases necessary to be an effective teacher in her/his field.

To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Acquire a broad liberal arts knowledge
2. Demonstrate proficiency in his/her major area of
3. Acquire effective strategies of teaching in all appropriate content areas and for all
4. Recognize how students learn and develop.

*Disposition:* Appreciate the connections between various areas of knowledge and commit to continuous learning.

*Goal II:* The candidate can apply effective teaching strategies to meet the needs of all learners.

To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Use appropriate best practices for specific content areas and for diverse learners.
2. Reflect upon his/her teaching and analyze the pr
3. Make modifications based on assessments and reflective
4. Provide motivational techniques based on students' developmental and environmental needs.

*Disposition:* Value and respect students' varied talents and abilities and project enthusiasm for teaching all learners.

*Goal III:* The candidate fosters relationships and collaborates with school constituencies. To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Communicate effectively in both written and oral formats and through the use of technology
2. Solicit input from students, parents, colleagues, and the greater community.
3. Act on information received from stak

*Disposition:* Value the many ways in which people seek to communicate and encourage various modes of communication.

The Teacher Education Program at McPherson College focuses on three major levels of licensure. The following are lists of the levels and the programs.

### **6-12 Licensure Section**

Biology, Chemistry, English, English as a Second Language, History and Government, Mathematics, Psychology, Special Education, Speech/Theatre

### **K-6 Licensure Section**

Elementary Education, English as a Second Language, Special Education

### **PK-12 Licensure Section**

Art, Health, Music, Physical Education, Spanish

As a student at McPherson College preparing to become a teacher, you will be asked to prove your competency with the guidance of instructors in the Department of Curriculum and Instruction and the content area departments. Course assessments, a portfolio, and interviews are a few of the instruments developed that will help you demonstrate your abilities. McPherson College is currently collecting data on different aspects of student performance. Numerous experiences are provided as observers, aides, tutors, and as participants in student teaching experiences. Those seeking licensure at all levels begin their professional work by the sophomore year and continue with incremental and sequential scheduling of their professional growth.

## Admission Procedures

Procedures for admittance into the Teacher Education Program and Student Teaching are outlined in detail in the Advisor/Advisee Handbook or the Policies and Procedures Manual. These Handbooks are available in the Department of Curriculum and Instruction. College advisors also have copies of these handbooks. Students will be given a copy of the handbook during the process of applying to the Teacher Education program. Students should read the handbook or consult their advisors for a detailed account of admission requirements and procedures.

## Admission to the Teacher Education Program

As a general rule, the Teacher Education Undergraduate Council reviews candidates for admittance into the Teacher Education Program two times during an academic year, once each semester. Signs are posted on college buildings and announcements are made in campus communications and classes. Requirements for acceptance into the Teacher Education Program include, but are not exclusive of,



- Minimum of C in G-EN111
- Minimum of C in college level math
- Minimum of C in G-CI150
- Sign of support from Student Life
- A GPA of 2.3 (2.5 for transfer students)
- Successful completion of the C-BASE a GPA of 2.3 (2.5 for transfer students) and successful completion of the C-BASE.

## Practica at McPherson College

Research has proven that multiple and varied practical experiences are of utmost importance in an effective teacher education program. For that reason, students in the Teacher Education Program have the requirement of completing a minimum of two practica prior to student teaching. However, most students are encouraged to participate in more than those two. The first practicum occurs early in the student's professional education course sequence. This practicum is primarily an observation/aide situation. The second practicum occurs later in the professional sequence and requires students to take more initiative in the actual classroom responsibilities. In fact, students are required to practice actual instructional activities.

Students are required to do one of the practicum experiences in an urban setting. Arrangements have been made for the first practicum to be completed in Wichita or other ethnically diverse setting. Transfer students or students with extenuating circumstances may choose to complete one of the other sessions in an urban setting. This will further enhance the program and give students a broader understanding of the entire educational enterprise. Students are placed in both grade- and content-appropriate practicum settings. It is the student's responsibility to secure travel arrangements to the practica sites. Any expenses that are incurred are also the responsibility of the student.

All practica must be approved by the Department of Curriculum and Instruction.

## Service Component

In keeping with the mission of the college and the Teacher Education Program, future teachers are expected to complete a service component as part of their program. During the student's college career s/he must complete and document 100 hours of service prior to completing the program. Transfer students must complete 25 hours per year.

There are many possibilities for service-oriented activities. Opportunities will occasionally be made available through the Curriculum and Instruction Department. In addition, students are encouraged to seek out experiences that will be self-satisfying. For further explanation or clarification, contact any member of the Teacher Education Undergraduate Council.

## Student Teaching at McPherson College

Student teaching is considered the capstone experience in the professional education sequence for future teachers. It is to be done after other professional coursework is completed. In cooperation with a K-12 school system, McPherson College strives to make this experience as beneficial as possible for all parties involved. Student teaching is a complete semester experience. It is offered for variable credit hours depending on the level and the experiential need of the student and the licensure area being sought. Being given the privilege to student teach is not automatic. The Teacher Education Undergraduate Council carefully screens all applicants for their suitability. As a general rule, the Department of Curriculum and Instruction begins the application for the student teaching process two times during an academic year. These procedures generally between the first and second week in September and February. Signs are posted on college buildings and announcements are made in campus communications and classes.

The prospective student teacher at McPherson College is expected to have:

- the personality and character traits required of a teacher;
- a strong liberal arts education;
- solid professional skills;
- profitable laboratory experiences with practitioners in the field. Before a student can student teach she/he must have:
- gained full acceptance into the Teacher Education Program;
- secured favorable recommendations from her/his major professor, professor of a language intensive course, one professor in teacher education, and two supportive professionals in education;
- achieved a cumulative grade point average of 2.5;
- provided proof of liability insurance;
- signed an Inquiry Form;
- provided an up-to-date health form.

After all forms have been submitted, the student will participate in an interview with the Teacher Education Undergraduate Council. Ultimate decisions concerning student teaching will be made by that Council. A primary indicator of meeting the goals of the Teacher Education Program is the development of a portfolio. McPherson College students planning to become teachers develop portfolios during stages of their professional course work. These portfolios are designed to meet the overall goals of:

1. The candidate has the knowledge bases necessary to be an effective teacher in her/his field.
2. The candidate can apply effective teaching strategies to meet the needs of all
3. The candidate fosters relationships and collaborates with school

These portfolios include copies of units and lesson plans, reflective journals, other significant evidences of knowledge, application, and collaboration, scores of standardized assessment tools, and other documentation.

In order to defray costs, a student teaching fee will be assessed during that semester.

## Student Responsibility

Students are ultimately responsible for following procedures and proper sequencing of events leading to professional development and licensure. It is important for students who plan to enter the Teacher Education Program at McPherson College to contact the chair of the program and/or the appropriate advisor.

## Licensure in Kansas

Those seeking licensure in Kansas must pass the Professional Knowledge section of the Principles of Learning and Teaching (PLT) with a score of 160; candidates must also take a test in their particular content area. The passing scores for each content test are listed in the Advisor/Advisee Handbook. Requirements for licensure to teach in the public schools, either elementary or secondary, vary from state to state. Students who plan to certify in a state other than Kansas should, upon enrollment, consult the chair of teacher education or the state in which they plan to teach to make sure that they are enrolled in a program that is appropriate.

In the state of Kansas, teaching is considered to be a profession. Therefore, the Kansas State Department of Education has a Professional Practices Commission to exercise disciplinary and advisory functions over those requesting licensure or working as a certified professional. Teacher licensure can be denied, suspended, or revoked for both felony and non-felony actions.

McPherson College is in compliance with the federal Title II reporting guidelines.

## Elementary Education Major

### K-6 Licensure

#### Requirements

Along with the General Education requirements, the following is a suggested sequence; the academic advisor and/or Curriculum and Instruction faculty will assist the individual student to develop the optimal sequencing of courses.

##### *Freshman year:*

**G-PY 101** Introduction to Psychology (3 hours)

**G-CI 150** Intro to Education (3 hours)

**SE 210** Intro to Infants, Children & Youth with Special Needs (3 hours)

##### *Sophomore year:*

**CI 220** Principles and Strategies of Teaching (3 hours)

**G-CI 251** Intro to Education Practicum (1 hour)

**\*G-EE 210** Children's Literature (3 hours)

**G-CI 333** Intercultural Education (2 hours)

**PY 204** Child and Adolescent Development (3 hours)

**CI 232** Educational Technology (2 hours)

**EE 230** Mathematics Content for Elementary Teachers (3 hours)

##### *Junior Year:*

**CI 426/PE 426** Methods for Teaching Health in Elem. & Sec. (2 hours)

**\*CI 455** Teaching-Learning Process (3 hours)

**\*EE 303** Reading/ Language Arts I (4 hours)

**EE 307** Methods for Teaching Math in the Elementary School (2 hours)

**EE 306** Methods for Teaching Science in the Elem. School (2 hours)

**EE 309** Methods for Teaching Social Studies in the Elem. School (2 hours)

**EE 301/ AR 358** Methods for Teaching Art in the Elem. School (2 hours)

**EE 304/ MU 370** Methods for Teaching Music in the Elem. School (2 hours)

**EE 305/ PE 305** Methods for Teaching Phys Ed in the Elem. School (2 hours)

**EE 375** Elementary Ed. Practicum and Seminar (1-4 hours)

**EE 444** Reading/Language Arts II (2 hours)

*Senior Year:*

**EE 465** Student Teaching in the Elementary School (6 or 12 hours)

**CI 476** Professional Seminar in Education (2 hours)

## 6-12 Licensure

### Requirements

Along with the general education requirements and the academic requirements for the specific content area, the following is a suggested sequence; the academic advisor and Curriculum and Instruction faculty will assist the individual student to develop the optimal sequencing of courses.

*Freshman year:*

**G-PY 101** Introduction to Psychology (3 hours)

**G-CI 150** Introduction to Education (3 hours)

*Sophomore year:*

**G-CI 333** Intercultural Education (2 hours)

**PY 204** Child and Adolescent Development (3 hours)

**SE 210** Intro to Infants, Children and Youth with Special Needs (3 hours)

**CI 220** Principles and Strategies of Teaching (3 hours)

**G-CI 251** Intro to Education Practicum (1 hour)

**CI 232** Educational Technology (2 hours)

*Junior Year:*

**\*CI 455** Teaching-Learning Process (3 hours)

**CI 4xx** Secondary Methods for Academic Majors (3 hours)

**CI 315** Reading in the Content Field (2 hours)

**CI 351** Secondary Education Practicum and Seminar (2 hours)

*Senior year:*

**CI 475** Student Teaching (6 or 12 hours)

**CI 476** Professional Seminar in Education (2 hours)

## PK-12 Licensure

### Requirements

Along with the general education requirements and the academic requirements for the specific content area, the following is a suggested sequence; the academic advisor and Curriculum and Instruction faculty will assist the individual student to develop the optimal sequencing of courses.

*Freshman year:*

**G-PY 101** Introduction to Psychology (3 hours)

**G-CI 150** Introduction to Education (3 hours)

**SE 210** Intro to Infants, Children & Youth with Special Needs (3 hours)

*Sophomore year:*

**G-CI 333** Intercultural Education (2 hours)

**PY 204** Child and Adolescent Development (3 hours)

**G-CI 251** Intro to Education Practicum (1 hour)

**CI 220** Principles and Strategies of Teaching (3 hours)

**CI 232** Educational Technology (2 hours)

*Junior Year:*

Methods for Teaching Art, Music or PE in Elem. Schools (2-3 hours)

(Those seeking licensure in Spanish take one Methods class (CI 404)

**CI 351** Secondary Ed. Practicum and Seminar (1 hour)

**EE 375** Elementary Ed. Practicum and Seminar (1 hour)

**\*CI 455** Teaching-Learning Process (3 hours)

Methods for Teaching Art, Music or PE in Sec. Schools (2-3 hours)

**CI 315** Reading in the Content Field (2 hours)

*Senior Year:*

**CI 475** Student Teaching in the Secondary School (6 or 12 hours)

**EE 465** Student Teaching in the Elementary School (6 or 12 hours)

**CI 476** Professional Seminar in Education (2 hours)

## English As A Second Language (K-6) Licensure

### Requirements

Same professional education requirements as for K-6 license, plus:

- EN 230** Linguistics (2 hours)
- EN 335** Advanced English Grammar (2 hours)
- G-SO 202** Minorities in the U.S. (3 hours)
- CI 428** Methods for Teaching ESL in the Elem. and Sec. Schools (3 hours)

## English As A Second Language (6-12) Licensure

### Requirements

Same professional education requirements as for 6-12 licensure in other fields, plus:

- EN 230** Linguistics (2 hours)
- EN 335** Advanced English Grammar (2 hours)
- G-SO 202** Minorities in the U.S. (3 hours)
- CI 428** Methods for Teaching ESL in the Elem. and Sec. Schools (3 hours)

## Special Education Licensure

Through the joint effort of the Associated Colleges of Central Kansas (ACCK), McPherson College offers an Adaptive Special Education program. Students who participate in this program will graduate with licensure in Adaptive Special Education (intellectual disability, learning disabilities, behavior disorders, and other health impairments) at the K-6 and 6-12 levels.

### **Adaptive Special Education: Courses Required for all levels:**

- SPED 310** Foundations for Special Education (4 hours)
- SPED 315** General Methods for Special Education Services (4 hours)
- SPED 345** Behavioral Management (2 hours)
- SPED 499** Capstone Issues (1 hour)

### **Courses Required for Level K-6:**

- SPED 321** Grades K-6 Methods for Special Needs (4 hours)
  - SPED 331** Grades K-6 Field Experience (1 hour)
  - SPED 431** Grades K-6 Clinical Experience (Student Teaching) (6 hours)
- (OR)
- \*SPED 433** Grades K-6 Internship (4-6 hours)
- \*Those already holding special education licensure

### **Courses required for Level 6-12:**

- SPED 361** Grades 6-12 Methods for Special Needs (4 hours)
  - SPED 371** Grades 6-12 Field Experience (1 hour)
  - SPED 471** Grades 6-12 Clinical Experience (Student Teaching) (6 hours)
- (OR)
- \* SPED 473** Grades 6-12 Internship (4-6 hours)
- \* Those already holding special education licensure

Optional:

- SPED 220** Field Experience in Services for Student with Special Needs (1 hour)
- SPED 320** Beginning American Sign Language (2 hours)
- SPED 322** Intermediate American Sign Language (2 hours)
- SPED 678** Topics in Special Education (1 hour)

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## Teacher Education Course Descriptions

(Course numbers listed in parentheses after McPherson College numbers are ACCK course numbers.)

**CI 101 (SPED 320) Beginning American Sign Language**

*2 hours*

The purpose of this course is to learn the basics of sign language. It will provide the student with an opportunity to express and receive signed communication. (Fall and Spring)

**G-CCI 150 Introduction to Education**

*3 hours*

This course provides an overview of the historical role of schools in our society, the current governance and finance structures, and the challenges schools face in this new century. It also addresses planning for a career in professional education, and becoming a successful teacher.(Fall and Spring)

**CI 202 (SPED 322) Intermediate American Sign Language**

*2 hours*

The purpose of this course is to increase conversational sign language and to introduce interpreting skills. It will provide the student with an opportunity to increase his/her ability to express and receive signed communication, expand his/ her vocabulary, and improve his/her fluency in signing.(Spring)

**CI 220 Principles and Strategies of Teaching**

*3 hours*

A general methods class required of all education students. This course must be taken before or concurrent with other EE or CI courses. If taking concurrent, must have permission from the instructor. The class provides an introduction to teaching, including defining the teaching act, developing classroom communities, classroom management, assessment and evaluation, models of teaching, integration of technology, and professional responsibilities.(Fall and Spring) A minimum grade of C in CI 220 is required as a prerequisite for ALL 300 & 400 level CI, EE or SE courses.

**CI 232 Educational Technology**

*2 hours*

Educational Technology is designed to ensure that teacher education candidates understand the function of technology in schools and society, exhibit skills using instructional tools and technology to gather, analyze, and present information, improve instructional practices, facilitate professional productivity and communication, and help all students use instructional technology effectively. (Fall and Spring)

**G-CI 251 Introduction to Education Practicum**

*1 hour*

This practicum is conducted in the Wichita Public Schools or another urban district. It must be completed before enrolling for EE375 or CI 351. Students are required to spend 30 contact hours in a classroom. This class is offered every semester; however, a block of time must be established to ensure a worthwhile and quality experience. Students will maintain a reflective journal with emphasis on recording observations of teaching and learning, management techniques, the diversity of the student population, and the use of technology. (Prerequisite: G-CI 150 and consent of the Director of Field Experiences)

**CI 315 Reading in the Content Field**

*2 hours*

This course provides students seeking licensure at the PK-12 and 6-12 level the strategies necessary for reading to learn. The strategies learned are appropriate for all content areas and all learners. Future educators will learn how to plan instruction based upon the knowledge of all students, community, subject matter, curriculum outcomes, and current methods of teaching reading. Prerequisite: CI 220. (Fall)

**G-CI 333 Intercultural Education Seminar**

*2 hours*

A study of our diverse society and how it pertains to education and the educational setting. Students electing to participate in the related field study that adequately depicts intercultural relations in an educational setting must also enroll in CI 495 Field Experience in Education. (Fall and Spring)

**CI 351 Secondary Education Practicum & Seminar**

*1-4 hours*

A field experience and seminar for those seeking licensure at the secondary or PK-12 level. This course is offered for variable hour credit depending on the student's past experience(s) and licensure area(s). Student should consult with her/his advisor and the chair of the Department of Curriculum & Instruction for appropriate registration. This practicum must occur between CI 251 and CI 475. It is recommended that students seeking license at the 6-12 level take this class in conjunction with the appropriate content methods class. Prerequisites: CI 220. Completed application and interview to Teacher Education Program required. (Fall/ Spring)

**CI 401/AR 401 Methods for Teaching Art in the Secondary School**

*2 hours*

This is a comprehensive study of secondary art curricula and instructional methods relevant to today's art educator in the public schools. Discussions will address a multitude of current trends, issues, and "hot" topics on the national scene, including the National Art Standards as part of the Goals 2000 program and Quality Performance Accreditation (QPA) in Kansas public schools. Considerable time and effort will be spent on writing and developing art curricula around the four content areas of art production, art history, art criticism, and aesthetics. Preparing and delivering a micro-teaching experience at McPherson High School is also a component of this course. Prerequisite: CI 220. (Spring)

#### **CI 404 (ED 450) Methods for Teaching Modern Language**

*3 hours*

This course is designed to prepare the prospective second language teacher for successful teaching at the PK-12 level. It provides theories of second language acquisition and second language teaching methods. Includes planning strategies, measurement/evaluations, test item construction, effective discipline, inclusionary practices, and technology media. Students become familiar with professional organizations and their publication/resources. In microteaching, including group and self-evaluation, students demonstrate current second language methodology. Prerequisite: CI 220. (As needed)

#### **CI 406 (ED 406) Methods for Teaching Natural Science in the Secondary School**

*3 hours*

This six-week course is designed to provide the prospective teacher with knowledge and skill for teaching the natural sciences at the secondary level (grades 6-12). Content includes curriculum selection and design, safe laboratory management and operation, integration of curriculum, inclusionary practices, methods and modalities of teaching, assessment, classroom application of various forms of technology, and professional organizations. Microteaching, classroom observation and group and self-evaluation are included. Prerequisite: CI 220. (Spring)

#### **CI 407 (ED 467) Methods for Teaching Mathematics in the Secondary School**

*3 hours*

This course is designed to provide the prospective secondary level (grades 6-12) mathematics teacher the methods of teaching contemporary mathematics content. Topics include methods of presentation, awareness of national mathematics organizations, the writing of unit/daily lesson plans, microteaching of a math lesson, selecting materials, techniques of assessment, inclusionary practices, classroom application of various forms of technology, and techniques of assessment. Prerequisite: CI 220. (Spring)

#### **CI 408 (ED 440) Methods for Teaching Social and Behavioral Science in the Secondary School**

*3 hours*

This course is designed to prepare students for successful teaching at the secondary level (grades 6-12) in both the social and behavioral sciences. Emphasis is placed on different approaches and practices of instruction planning and classroom management, selection and classroom application of various forms of technology, evaluation and questioning techniques, state assessments, research methods, professional organizations and the inclusive classroom. Prerequisite: CI 220. (Spring)

#### **CI 410/PE 410 Methods for Teaching Physical Education in the Secondary Schools**

*2 hours*

A study of various teaching techniques and analysis of fundamental skills of physical education activities in the secondary school setting. The course offers an opportunity to explore various teaching techniques in individual, dual, and team activities in the field of physical education for the secondary schools. Prerequisites: PE 110, PE 160, PE 161, G-CI 150, G-CI 251, CI 220. (Interterm, odd years)

#### **CI 416 (ED 416) Methods for Teaching Speech and Theatre in the Secondary School**

*3 hours*

This course requires students to apply speech and drama content to the techniques needed for effective secondary level (grades 6-12) classroom teaching. Opportunities are provided for students to exercise their teaching skills in the areas of unit plans, daily lesson plans, teaching strategies, evaluation, assessment, classroom management, inclusion and different learning styles. Discussions of resource allocation, safety, classroom application of various forms of technology, and professional organizations are also included. Each student is encouraged to develop his/her personal philosophy of education and incorporate it in relation to integrity/ethics in the classroom and personal evaluation to maintain a sense of balance and growth. Prerequisite: CI 220. (Spring)

#### **CI 417 (ED 415) Methods for Teaching English and Language Arts in the Secondary School**

*3 hours*

This course is designed to assist student teachers in becoming confident, effective professional educators in secondary level English (grades 6-12). Students will become familiar with a variety of specific methods to use in teaching literature, composition, and language. Among topics to be considered will be current trends in English curriculum development, the six-trait writing process, inclusionary practices, classroom organization, assessment, classroom application of various forms of technology, and professional organizations. Each student will develop a unit of instruction suitable for a secondary level classroom. Prerequisite: CI 220. (Spring)

#### **CI 426/PE 426 Methods for Teaching Health in the Elementary & Secondary School**

2 hours

This course is designed to acquaint the student with a variety of methods and modalities for teaching school health. The health problems of the individual school child and her/his environment will also be studied. Students will be videotaped when teaching a lesson. Prerequisites: G-PE 150 or G-PE 170, G-CI 150, G-CI 251, and CI 220. (Interterm)

#### **CI 428 Methods for Teaching English as a Second Language in the Elementary & Secondary School**

3 hours

This course is designed to prepare students to teach English to non-native speakers at either the k-6 level or the 6-12 level. Students will be exposed to teaching techniques, lesson and unit planning, and language assessment. Cultural issues will also be explored. Prerequisite: CI 220. (Fall of even years)

#### **CI 451 Methods for Teaching General Music in the Elementary School**

3 hours

For music education majors. The methods and materials for music teaching at elementary level. (Fall)

#### **CI 453 Methods for Teaching Vocal Music in the Secondary School**

3 hours

For music education majors. The methods and materials for music teaching at secondary level. (Spring)

#### **CI 454 Methods for Teaching Instrumental Music in the Secondary School**

3 hours

For music education majors. The methods and materials for music teaching at secondary level. (Interterm)

#### **CI 455 The Teaching-Learning Process**

3 hours (Language Intensive)

A comprehensive course that deals primarily with the learner, the learning process, and the learning situation. Examines the role of the teacher in relationship to each of these. This class should be taken the semester before student teaching. Prerequisite: CI 220. (Fall and Spring)

#### **CI 475 Student Teaching in the Secondary School**

6 or 12 hours

Student Teaching in the Secondary School at McPherson College is a capstone experience allowing students to practice the skills and talents necessary to become effective educators. McPherson College offers student teaching at the appropriate level for all licensure purposes. Student teaching occurs after students have fulfilled all the necessary requirements as outlined in the Advisor/Advisee Handbook. The student teaching experience is scheduled for a minimum of 14 consecutive weeks. Placement and hours may depend on the area(s) of licensure. Students enrolled in this course must have completed the student teaching application process and be concurrently enrolled in CI 476. (Fall and Spring)

#### **CI 476 Professional Seminar in Education**

2 hours

This is a capstone seminar for teaching candidates allowing an interactive opportunity to reflect upon and share their insight, expertise, and commitment to professional education. Must be taken in conjunction with CI 475 and/or EE 465. (Fall/Spring)

#### **CI 495/295 Field Experiences in Education**

1-4 hours

An elective laboratory oriented field experience that the student elects to take, or is assigned to, in an educational setting that is designed to enrich their understanding of the profession of education. This experience may or may not be tied to requirements in another course within the department or college. Involvement may be in an educational related role or with an approved experience anywhere in the world. Arrangements must be made in advance. (Fall/Interterm/Spring)

#### **G-EE 210 Children's Literature**

3 hours (Language Intensive)

In this course students use the language arts of reading, writing, listening, and speaking to explore the historical development of children's literature in English from its origins through the contemporary period, with an emphasis on contemporary works. While exploring how children's literature artfully structures people's experiences, values, and cultures, students will learn the elements of children's literature, different genres, and current issues pertaining to children's literature. Students will also develop presentation skills for sharing literature with children. For elementary education majors, the knowledge and appreciation of children's literature developed in the course will serve as foundational knowledge for the Reading/Language Arts methods courses. Prerequisite: Sophomore status or consent of instructor. (Spring)

#### **EE 230 Mathematics Content for Elementary Teachers**

3 hours

This course will prepare prospective elementary school teachers to understand and apply the basic principles underlying mathematics. It will acquaint them with the topics in mathematics needed for successful mathematics instruction in K-6 classrooms. Topics covered include set theory, computational algorithms, the real and rational numbers, algebraic reasoning, 2D and 3D geometry, statistics and probability, and basic ideas of number theory. This course serves as a prerequisite for EE307. Prerequisite: College-level math course or instructor consent. (Fall)

#### **EE 301/AR 358 Methods for Teaching Art in the Elementary School**

*2 or 4 hours*

This course is a comprehensive study of elementary art curricula and methods relevant to today's educator in the public schools. Topics to be covered include: current techniques and materials, issues in art, basic design concepts, the developmental states of children in an art program, and curriculum implementation. (Fall)

#### **EE 303 Reading and Language Arts I**

*4 hours (Language Intensive)*

This course delivers the knowledge base for understanding and using concepts from emerging literacy, reading, language and child development to teach reading, writing, speaking, viewing, listening, and thinking skills and to help all students successfully apply their developing literacy skills to many different situation, materials, and ideas. This course focuses on literacy assessment and evaluation and methods for teaching K-3 grade levels. (Fall)

#### **EE 304 Methods for Teaching Music in the Elementary School**

*2 hours*

This course is for elementary education majors. The emphasis is placed on methods for teaching elementary school children and the integration of music into the elementary school curriculum. Prerequisite: CI 220.(Fall)

#### **EE 305/PE 305 Methods for Teaching Physical Education in the Elementary School**

*2 hours*

This course is designed to introduce prospective elementary school physical education and classroom teachers to the fundamentals, principles, and practices of physical education at the elementary school level. Movement exploration and methods will be stressed in the variety of play activities introduced. Additionally, this course has been designed to integrate theory and concept learning with practical laboratory experiences. Prerequisites: CI 150, CI 220 and G-CI 251. (Spring)

#### **EE 306 Methods for Teaching Science in the Elementary School**

*2 hours*

This course provides the knowledge base for future elementary teachers to understand and use fundamental concepts in science (including physical, life, and earth and space) as well as concepts in science and technology, science in personal social perspective, the history and nature of science, the unifying concepts of science, and the inquiry process scientists use in discovery of new knowledge to build a base for scientific and technological literacy for all students. Prerequisite: CI 220. (Fall)

#### **EE 307 Methods for Teaching Mathematics in the Elementary School**

*2 hours*

This course provides the knowledge base for future elementary teachers to know, understand, and use the major concepts, procedures, and reasoning processes of mathematics that define numbers and operations, geometry, measurement, data analysis and probability, and algebra so that all students understand relationships that can represent phenomena, solve problems, and manage data. Prerequisite: CI 220 and EE 230 or Instructor's consent. (Spring)

#### **EE 309 Methods for Teaching Social Studies in the Elementary School**

*2 hours*

A class designed for equipping elementary pre-service teachers with skills, strategies, and major concepts germane to the six social studies literacies: history, geography, socio-politics, citizenship, economics, and culture. Prerequisite: CI 220. (Spring)

#### **EE 375 Elementary Education Practicum & Seminar**

*1-4 hours*

A field experience and seminar for those seeking licensure in elementary education at the K-6 level and those seeking licensure in art, physical education, and Spanish at the PK-12 level. This course is offered for variable hour credit depending on student's past experience(s) and licensure area(s). Student should consult with her/his advisor and the Chair of Teacher Education Program for appropriate registration. This practicum must occur between CI 251 and EE 465. Prerequisites: CI 220. Completed application to Teacher Education Program required. (Fall/ Spring)

#### **EE 444 Reading/Language Arts II**

*2 hours*

This course provides a structure for providing future elementary teachers an opportunity to use concepts from emerging literacy, reading, language



and child development to teach reading, writing, speaking, viewing, listening, and thinking skills and to help all students successfully apply their developing literacy skills to many different situation, materials, and ideas. This course focuses on assessment and evaluation and teaching strategies for grades 4-6. Prerequisites: EE 303 and CI 220 (Spring)

### **EE 465 Student Teaching in the Elementary School**

*6 or 12 hours*

Student Teaching in the Elementary School at McPherson College is a capstone experience allowing students to practice the skills and talents necessary to become effective educators. McPherson College offers student teaching at the appropriate level for all licensure purposes. Student teaching occurs after students have fulfilled all the necessary requirements as outlined in the Advisor/Advisee Handbook. The student teaching experience is scheduled for a minimum of 14 consecutive weeks. Placement and hours may depend on the area(s) of licensure. Students enrolled in this course must have completed the student teaching application process and be concurrently enrolled in CI 476. (Fall and Spring)

### **SE 210 Introduction to Infants, Children, and Youth with Special Needs**

*3 hours*

This class is a survey of federal and state mandates for special education, including an overview of categorical exceptionalities delineated in the laws; service delivery systems; advocacy groups; the concept of natural environments and least restrictive environments; and the purpose and function of the IFSP and IEP. The class, which is required for all students seeking licensure in education, is designed to introduce all pre-service teachers to mild and moderate disabilities. The course also serves as a foundation for additional special education coursework. This course is a prerequisite for other special education courses. (Fall and Spring)

### **SPED 220 Field Experience in Services for Students with Special Needs**

*1 hour*

An early field placement for directed observation of special education teachers working with elementary- or secondary-level students with mild/moderate disabilities. (Fall, Interterm, Spring, and Summer)

### **SPED 310 Foundations for Special Education Services**

*4 hours*

This course addresses historical perspectives and current practices (Module A), laws, regulations, and policies governing practice (Module B), and affects of individual differences, language, and culture on educational performance (Module C). The course includes a supervised field experience (Module D). Concurrent: Modules A-D. (Fall & Spring)

### **SPED 315: General Methods for Special Education Services**

*4 hours*

This course addresses assessments used for eligibility, placement and curricular decisions (Module A), the special education process from pre-identification through individual program implementation (Module B), and effective collaboration and communication skills with diverse learners, families, colleagues, and community stakeholders (Module C). The course includes a supervised field experience (Module D). Concurrent: Modules A-D Prerequisite: SPED 310 (Fall & Spring)

### **SPED 321 Grades K-6 Methods for Special Needs**

*4 hours*

This course addresses IEP implementation using evidence-based practices. Emphasis is on collaborative teaching models. Topics of study include lesson planning, basic skill and content area instruction, adapting methods and materials, positive behavior supports, and progress monitoring. SPED 331: Grades K-6 Field Experience must be taken concurrently. Prerequisites: SPED 310 & 315. (Fall & Spring)

### **SPED 331 Grades K-6 Field Experience**

*1 hour*

This course is a supervised field experience with children in grades K-6 who have an identified disability. The course will emphasize evidence-based practices and techniques presented in SPED 321. Students will participate in IEP development, lesson planning, and instruction. SPED 321: Grades K-6 Methods for Special Needs must be taken concurrently. Prerequisites: SPED 310 & 315. (Fall & Spring)

### **SPED 341 Grades PreK-3 Methods**

*4 hours*

Grades PreK-3 Methods, addresses strategies to individual and group needs using evidence-based practices. Topics of study include learning plans, embedded instruction within a tiered framework, setting up the environment, adapting methods and materials, positive behavior supports, and progress monitoring. SPED 351, Grades PreK-3 Field Experience, must be taken concurrently. SPED 341 will involve 15 to 20 contact hours including 10 hours reading/pre-literacy and writing/pre-writing interventions with 1 child.

### **SPED 345 Behavior Management**

*2 hours*

This course addresses culturally sensitive methods for preventing and intervening with problem behavior. Topics include school-wide discipline systems, classroom management, social skills instruction, student support meetings (Module A) and functional analysis, non-aversive intervention, and behavior intervention plans (Module B). (Fall & Spring)

#### **SPED 351 Grades PreK-3 Field Experience**

*1 hour*

SPED 351 is a supervised field experience with children in grades PreK-3 who have an identified disability. The course will emphasize evidence-based practices and techniques presented in SPED 341. Students will participate in IEP development, lesson planning, and instruction.

#### **SPED 361 Grades 6-12 Methods for Special Needs**

*4 hours*

This course addresses IEP implementation, including transition components. Emphasis is on self-determination, self-advocacy, career awareness, and post-school options in specific outcome areas. Topics of study include curriculum standards, lesson planning, basic skills instruction, learning strategies, adapting methods, materials and assessments, positive behavior supports, and progress monitoring. SPED 371: Grades 6-12 Field Experience must be taken concurrently. Prerequisites: SPED 310 & 315. (Spring)

#### **SPED 371 Grades 6-12 Field Experience**

*1 hour*

This course is a supervised field experience with children in grades 5-12 who have an identified disability. The course will emphasize evidence-based practices and techniques presented in SPED 361. Students will participate in IEP development, lesson planning, and instruction. SPED 361: Grades 6-12 Methods for Special Needs must be taken concurrently. Prerequisites: SPED 310 & 315. (Spring)

#### **SPED 381 Grades 4-12 Methods**

*4 hours*

The SPED 381 course covers both general and specific methods used by special educators to teach students with disabilities. The course includes transition planning and IEP development, instructional planning, and selection of instructional methods to meet the needs of students with adaptive special education needs. Approaches for selecting methods and materials, for delivering instruction, and for evaluating instructional outcomes based on assessment information will also be demonstrated.

#### **SPED 391 Grades 4-12 Field Experience**

*1 hour*

The SPED 391 field experience course requires the learner to be assigned to work with a cooperating special education teacher for 15 hours and to work in the same setting(s) as the cooperating teacher. The learner may function in programs described as self-contained, interrelated, categorical, resource, itinerant, special day school, or some combination of these. This one-hour credit placement is made by arrangement through ACCK. Outside preparation time will be required (six to nine hours per week outside preparation) beyond attendance at field experience meetings and required field-based hours. The grade for this class is contingent upon successful completion of the SPED 381 Methods course.

#### **SPED 431 Grades K-6 Clinical Experience (Student Teaching)**

*5-6 hours*

This course is a supervised teaching experience with a special educator who provides services for elementary level students with adaptive learning needs. The preservice teacher will work collaboratively with the cooperating special educator, families, and school team members to apply research-based knowledge of assessment, instruction aligned to IEP goals, and positive behavioral supports. Emphasis is on reflective, culturally sensitive practice. Prerequisites: SPED 210, 310, 315, 345, and 321 or 331. Concurrent or subsequent semester: SPED 499. (Fall, Spring & Summer)

#### **SPED 433 Grades K-6 Internship**

*4-6 hours*

This course is a supervised teaching experience with an on-site mentor who provides or supervises services for elementary level students with adaptive learning needs. Emphasis is on application of research-based content knowledge and pedagogy and reflective, culturally sensitive practice. This internship is designed for practicing teachers adding grades K-6 adaptive licensure or for students who have completed a special education clinical experience. Prerequisites: SPED 210, 310, 315, 345, and 321 or 331. Concurrent or subsequent semester: SPED 499. (Fall, Spring & Summer)

#### **SPED 451 Grades PreK-12 Clinical Experience**

*5 hours*

This course is a supervised teaching experience with a special educator who provides services for any of the grades PreK-12 level students with adaptive learning needs. The pre-service teacher will work collaboratively with the cooperating special educator, families, and school team members to apply research-based knowledge of assessment, instruction aligned to IEP goals, and positive behavioral supports. Emphasis is on reflective, culturally sensitive practice. Prerequisites: SPED 310, 315, 345, 341, 351, 361, and 371. Concurrent or subsequent semester: SPED 499.

#### **SPED 453 Grades PreK-12 Internship**

*5 hours*

This course is a supervised teaching experience working with an on-site mentor and/or evaluator. Emphasis is on application of research-based content knowledge and pedagogy and reflective, culturally sensitive practice. This internship is designed for the student hired on a waiver teaching in his/her own classroom. The intern will apply knowledge from all coursework and learning experiences to appropriately adapt and modify learning; manage students and classroom environment being culturally-sensitive to student and family differences; align and implement learning with IEP goals; assess learning; develop and implement academic and behavior intervention plans based on assessments and best practices; develop a case study/IEP, plan, implement, and evaluate lessons; plan and implement appropriate transitions, education and services for the specified grade level (PreK-12)/ages of students; and practice systematic self-evaluation. Prerequisites: SPED 310, 315, 345, 341, 351, 361, and 371. Concurrent or subsequent semester: SPED 499.

#### **SPED 471 Grades 6-12 Clinical Experience (Student Teaching)**

*5-6 hours*

This course is a supervised teaching experience with a special educator who provides services for secondary level students with adaptive learning needs. The pre-service teacher will work collaboratively with the cooperating special educator, families, and school team members to apply research-based knowledge of assessment, instruction aligned to IEP goals, and positive behavioral supports. Emphasis is on reflective, culturally sensitive practice. Prerequisites: SPED 210, 310, 315, 345, and 361 or 371 Concurrent or subsequent semester: SPED 499. (Fall, Spring & Summer)

#### **SPED 473 Grades 6-12 Internship**

*4-6 hours*

This course is a supervised teaching experience with an on-site mentor who provides or supervises services for secondary level students with adaptive learning needs. Emphasis is on application of research-based content knowledge and pedagogy and reflective, culturally sensitive practice. This internship is designed for practicing teachers adding grades 6-12 adaptive licensure or for students who have completed a special education clinical experience. Prerequisites: SPED 210, 310, 315, 345, and 361 or 371. Concurrent or subsequent semester: SPED 499. (Fall, Spring & Summer)

#### **SPED 499 Capstone Issues**

*1 hour*

This course is designed to provide students with an opportunity to reflect on their clinical experience or internship and professional role with peers, ACK faculty, and special educators. Topics of discussion include professionalism, ethical issues, advocacy, diversity, and resources. Prerequisites: SPED 210, 310, 315, 345, 321 & 331 or 361 & 371. Concurrent or previous semester: SPED 431 or SPED 471 (or comparable Internship). (Fall, Spring & Summer)

#### **SPED 349 Communication Development and Communication Disorders**

*3 hours*

This class offers a survey of normal and atypical language development, assessment, bilingual education, contributions of the educator to overcoming language problems, and the relationships between oral language and reading and writing. There are no prerequisites for this course. (Interterm and Summer)

#### **SPED 380/678 Topics in Special Education:**

*1 hour*

This course will focus on brining the students up to date on current methods, changes in the field of special education, and new information related to the characteristics of children and youth with special needs. With consent of advisor.

#### **Individualized Courses Available**

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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## **English Program**

### **Purpose Statement**

The English department commits itself to developing graduates who can read critically and communicate effectively and who understand the changing nature of language.

The department achieves this purpose when its graduates

- demonstrate an ability to accomplish various purposes through effective communication — oral, written, and electronic— and to help others achieve them;
- demonstrate knowledge of the histories of literatures and of how those histories evolve;
- demonstrate an ability to analyze literary texts;
- demonstrate a knowledge of research tools and strategies, especially in literature, and the critical and ethical use of appropriate documentation; demonstrate knowledge of the structure of English, of the Standard American dialect, of both traditional and modern grammars, and of the nature of language;

## English Major

### Requirements

*I. Complete the following courses:*

- EN 230** Linguistics (2 hours)
- \*EN 250** American Literature I (3 hours)
- \*G-EN 255** American Literature II (3 hours)
- \*EN 313** Advanced Expository Writing (3 hours)
- EN 335** Advanced English Grammar (2 hours)
- EN 340** British Literature I (3 hours)
- EN 345** British Literature II (3 hours)
- EN 375** Junior Seminar in English (1 hour)
- EN 430** History and Structure of English (2 hours)
- EN 475** Seminar in English (2 hours)
- \*G-EN 210** World Literature I, or
- \*G-EN220** World Literature II (3 hours)

*II. Complete 7 elective hours in English. These may include additional hours in English and American literature, as well as the following courses:*

- G-CM 120** Intro. to Human Communication (3 hours)
- CM 305** Editing (3 hours)
- \*G-EN 210** World Literature I (3-4 hours)
- \*G-EN 220** World Literature II (3-4 hours)
- G-EN 235** Topics in Literature (3 hours) (may be taken more than once if topic differs)
- EN 320** Young Adult Literature (2 hours)
- EN 350** Theory & Practice of Tutoring Writing (1 hour)
- \*G-EN 370** Poetry (3-4 hours)
- \*G-EN 270** Fiction (3-4 hours)
- \*G-PA 385** Performing Arts History & Literature I or
- \*G-PA 390** Performing Arts History & Literature II (3 hours)
- EN 420** Creative Writing (3 hours)
- EN 445** Readings and Research in English (2-4 hours)
- \*CM 475** Seminar in Communication (2 hours)

*III. Complete the following supporting courses*

- Communication courses (3 hours)
- Spanish Level II, or the equivalent in some natural language

### Requirements for teaching licensure (6-12) in English

*I. Complete the following courses:*

- EN 230** Linguistics (2 hours)
- EN 335** Advanced English Grammar (2 hours)
- EN 430** History and Structure of English (2 hours)
- EN 320** Young Adult Literature (2 hours)
- EN 420** Creative Writing, or
- \*G-EN 370** Poetry, or
- \*G-EN 270** Fiction (3 hours)
- \*G-EN 210** World Literature I, or
- \*G-EN 220** World Literature II (3 hours)
- \*EN 250** American Literature I (3 hours)
- \*G-EN 255** American Literature II (3 hours)
- EN 340** British Literature I (3 hours)

- EN 345** British Literature II (3 hours)
- \*EN 313** Advanced Expository Writing (3 hours)
- EN 375** Junior Seminar in English (1 hour)
- EN 475** Seminar in English (2 hours)

II. Complete the following supporting courses:

- Journalism courses (3 hours)
- G-ML 109** Spanish Level II, or the equivalent in some natural language
- CI 417** Methods for Teaching English and Language Arts in the Secondary School (3 hours)

Other courses required by the Curriculum & Instruction Department for licensure.

Students must take the Praxis II examination: English Language, Literature, and Composition: Content Knowledge.

## Competency Exam

Students who plan to major in English must pass a writing competency exam. This exam will be offered in the spring semester, before pre-enrollment for the fall. Transfer students will take the exam early in their first semester at the college. Students who fail the exam may re-take it after participating in guided study and practice of writing.

## English As a Second Language (6-12) Endorsement

### Requirements

Same professional education requirements as for 7-12 endorsement in other fields, plus:

- G-CI 333** Intercultural Education Seminar (2 hours)
- EN 230** Linguistics (2 hours)
- EN 335** Advanced English Grammar (2 hours)
- G-SO 202** Minorities in the U.S. (3-4 hours)
- CI 428** Methods for Teaching English as a Second Language (3 hours)
- CI 475** Student Teaching/Practicum (6-12 hours)
- CI 476** Professional Seminar in Education (2 hours)

Student teaching/practicum is to include ESL experience; for those already certified, student teaching/practicum is four credit hours.

Note: Non-native speakers of English must contact the Department of Curriculum and Instruction regarding proficiency requirements.

## English Minor

A minor in English consists of 20 hours of English courses chosen from the list of courses in the English major and must include courses in both literature and writing. G-EN 110 and G-EN 111 do not count as part of the 20 hours for the minor.

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# Communication & English Course Descriptions

## Course Descriptions - Communication

### G-CM 120 Introduction to Human Communication

3 hours

An introduction to the elements of the communication process in its personal and social aspects. Students will examine the breadth of the field of communication including intrapersonal, interpersonal, small group, mass media, organizational, intercultural, and public communication. Written communication skills will be emphasized through specific assignments. (Fall, Spring)

### G-CM 130 Interpersonal Communication

3 hours (Language Intensive)

An oral communication course designed to acquaint students with the basic concepts of human communication as well as the more specialized skills needed to develop and maintain interpersonal relationships. Self-concept, self-disclosure, perception, relationship development, and mass media portrayals of interpersonal relationships are among the major units covered. (Fall)

### CM 135 Journalism

3 hours

A study of contemporary journalism emphasizing information media literacy and reporting and writing the news for various media. (Fall)

### **G-CM 140 Public Speaking**

3 hours

Study and practice of a wide range of formal and informal public speaking activities. Students will focus on developing an extemporaneous delivery of speeches based on experience with and research of topics. Students will practice multiple types of speeches including speeches to inform, to persuade, and for special occasions. (Fall, Spring)

### **CM 210 Multimedia Storytelling**

3 hours

An introduction to the use of text, graphics, audio, and video for telling multimedia stories. Prior completion of CM135 Journalism and AR203 Photography I recommended but not required. (Spring, even years)

### **G-CM 218 Business and Professional Communication**

3 hours (Language Intensive)

This course is designed to expose students to strategies for effective communication in a business environment. Students will learn skills to improve both oral and written communication. Topics include using technology to enhance presentations, nonverbal communication in the workplace, and communicating about discrimination. (Fall, Spring)

### **G-CM 221 Intercultural Communication**

3 hours (Language Intensive)

This course provides a broad overview of the study in communication both between and within nations, cultures, and subcultures. Students will investigate issues related to communication between people of different cultural orientations and also examine how cultural others are misperceived in interpersonal interactions and misrepresented in the media. Students will examine tensions between cultures and discuss ways to approach them by delving into specific cultural and communication rituals different from our own. Films will be used to study different cultural elements and concepts. (Spring, even years; Interterm, odd years)

### **CM 240 Gender Communication**

3 hours

This course examines the influence of gender on communication in interpersonal, instructional, organizational and mass mediated contexts. Topics of examination include interpersonal violence, discrimination, and other contemporary social problems. Focus will be given to understanding gender as a cultural group. (Spring, even years.)

### **CM 305 Editing**

3 hours

An introduction to editing. Students learn how to correct, tighten and clarify texts and how to apply design principles to a variety of documents and publications. (Fall, odd years)

### **CM 310 Public Relations**

3 hours

A service learning course that allows the study of the fundamental principles, strategies, and skills used in contemporary public relations. The course aims to give students practice in analyzing and responding ethically to PR issues and in researching, planning, writing, and designing a variety of PR materials. Students will work as a class on a PR campaign for a non-profit organization. Prerequisite of Junior standing or instructor permission. (Spring, odd years)

### **CM 315 Journalism Practica**

1 hour each

Experience for students on the campus newspaper or other student publication. May be repeated, with not more than two hours in any one emphasis and six hours maximum. (Fall, spring)

### **CM 315A Journalism Practicum: Reporting**

Gathering and writing news for the campus paper or other student publication. Prerequisite: Consent of publication's faculty adviser.

### **CM 315B Journalism Practicum: Editing**

Copy editing, headline writing, and production management for the campus newspaper or other student publication. Prerequisite: Selection by the board of publications to an editorial position or consent of the publication's adviser.

### **CM 315c Journalism Practicum: Layout and Design**

Designing and creating camera-ready copy using a desktop publishing system. Prerequisite: CM 305 Editing or AR 230 Graphic Design or consent of the publication's adviser.

#### **CM 315D Journalism Practicum: Advertising**

Selling and designing advertisements for the campus publications. Prerequisite: Selection by the board of publications to an advertising position.

#### **CM 315e Journalism Practicum: Photojournalism**

Taking, developing, and printing photographs for student publications. Prerequisite: AR 203 Photography or consent of the publication's adviser.

#### **CM 315F Journalism Practicum: Multimedia**

Developing multimedia stories for online student publications. Prerequisite: CM 210 Multimedia Storytelling or consent of the publication's adviser.

#### **CM 325 Conflict Communication**

*3 hours*

This course examines issues related to sources of conflict in communication. Orientations to conflict and the management of conflict will be examined. A critique and synthesis of conceptual approaches and research is covered that pertains to conflict in interpersonal, organizational, and public communication settings. (Fall, odd years)

#### **CM 330 Persuasion**

*3 hours*

An examination of theories of persuasion, persuasion variables, principles of effective persuasion, and persuasion in interpersonal, small group, organizational and mediated contexts. In addition to studying verbal persuasion, students will examine the nature of visual persuasion in everyday life, learn how to manipulate the formal elements of visual imagery to deliver a persuasive message, discover how visual imagery influences behavior, develop strategies to protect themselves from the unwanted messages images convey, and learn how to use persuasion wisely in their own creations. (Fall, even years)

#### **CM 350 Web-based Design for Effective Communication**

*3 hours*

An introduction to web design for future communication professionals. Students learn to apply the principles of effective communication and web usability to standards-compliant web sites built with HTML and CSS. (Interterm, even years)

#### **CM 375 Junior Seminar in Communication**

*1 hour*

This course will cover an in-depth study of media theory and ethics. Students will consider how media impact their audiences. Case studies will be examined to enhance the understanding of ethical decision-making. (Fall)

#### **CM 475 & CM475B Senior Seminar in Communication**

*3 hours (Language Intensive)*

This service-learning course will introduce qualitative and quantitative research methods. Students will learn how to search for, comprehend, and create research documents. Ethics and professional conduct will be included in classroom discussions. Each student will complete a service learning thesis project. The projects will be presented in a public forum at the end of the semester. Class time will also be devoted to the discussion of post college plans including job searching, resume writing, cover letter creation, and interviewing. (two hours Fall/one hour Spring)

#### **CM 388 Career Connections in Communication**

*4-8 hours*

An internship in a career-related position. For communication majors and minors only.

#### **Individual courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (4-8 hours)

**445** Readings and Research (1-4 hours)

## **Course Descriptions - Composition And Linguistics**

#### **G-EN 110 College Rhetoric I**

*3 hours*

A course intended to help students develop college-level skills in writing. Required of all entering freshmen. (Fall)

**G-EN 111 College Rhetoric II**

*3 hours*

A continuation of EN 110, designed to help students develop college-level skills in writing and information literacy with an emphasis on writing from research. Required of all entering freshmen. (Spring)

**EN 230 Linguistics**

*2 hours*

An introductory course in linguistics to introduce students to the discipline and help them analyze the structure, phonology, morphology, and syntax of the English language. Includes some study of families of languages and fundamental differences among languages around the world. (Fall)

**EN 313 Advanced Expository Writing**

*3 hours (Language Intensive)*

An advanced study of the theory and practice of rhetoric, including practice of the techniques of creative non-fiction. (Spring)

**EN 335 Advanced English Grammar**

*2 hours*

Systematic study of the structure of the English language and a consideration of current theories of analysis. (Spring)

**EN 350 Theory and Practice of Tutoring Writing**

*0-1 hour*

An introduction to the theory of composition and writing pedagogy and guided practice in responding to student writing. Required of students before or during their first semester as tutors in the college's Writing Lab. (Every semester, as needed)

**EN 351 Practicum in Tutoring Writing**

*0-1 hour*

Experience in reading and responding responsibly to student writing as a tutor in the college's Writing Lab. Prerequisite: EN 350 Theory and Practice of Tutoring Writing. Required of students who tutor in the college's Writing Lab (except those enrolled in EN 350). (Every semester)

**EN 420 Creative Writing**

*3 hours*

Study and practice in writing original poetry and fiction. (Drama is an option for those who desire it.) Establishing a writing discipline is emphasized. Upper-level students only unless instructor permission is granted. (Spring, odd years)

**EN 430 History and Structure of English**

*2 hours*

A study of the development of the English language and a descriptive structural grammar of English, emphasizing the phonology, morphology and the syntax of current English. Social and regional English will be analyzed as well as differences in oral and written English. Prerequisite: EN 230. (Spring, odd years)

**Course Descriptions - Literature****G-EN 210 World Literature I**

*3-4 hours (Language Intensive if taken for 4 hours)*

A study of masterworks of world literatures, from beginnings to the seventeenth century. (Fall)

**G-EN 220 World Literature II**

*3-4 hours (Language Intensive if taken for 4 hours)*

A study of world literatures after the seventeenth century, including post-colonial works. (Spring)

**G-EN 235 Selected Topics in Literature**

*3-4 hours*

A focused study of the literature of a particular group, period, or region. Topics vary.

**EN 250 American Literature I**

*3-4 hours (Language Intensive if taken for 4 hours)*

A study of writers and works (including Native American works) dating from European explorations of the New World to 1865. Language-intensive if taken for 4 credit hours. (Fall, even years)



### **G-EN 255 American Literature II**

*3-4 hours (Language Intensive if taken for 4 hours)*

A study of writers and works dating from 1865 to the present. Effort is made to fairly represent works by Native Americans and American minorities. Language-intensive if taken for 4 credit hours. (Spring, odd years)

### **G-EN 270 Fiction**

*3-4 hours (Language Intensive if taken for 4 hours)*

An introduction to the elements of fiction and the historical development of the genre. Emphasis is upon development of critical reading skills. Writing of short fiction is also required. Language-intensive if taken for 4 credit hours. (Spring, odd years)

### **EN 320 Young Adult Literature**

*2 hours*

A review of the literature and themes appealing to young adults. The course includes selection and evaluation of literature and methods of presenting literature to young adults. Designed for educators. (Spring, odd years)

### **EN 340 British Literature I**

*3-4 hours*

A study of major writers and works from the earliest times through Shakespeare. (Fall, odd years)

### **EN 345 British Literature II**

*3-4 hours*

A study of major writers and works from Romanticism through the 20th century. (Spring, even years)

### **G-EN 370 Poetry**

*3-4 hours (Language Intensive if taken for 4 hours)*

A study of poets and poetic techniques. Some writing of poetry required. (Spring, even years)

### **EN 375 Junior Seminar in English**

*1 hour*

A study of literary theory and techniques. of literary analysis, both classical and contemporary. (Fall)

### **EN 445 Readings and Research in English**

*1-4 hours*

Special research and intensive reading on special topics, genres, movements. Open only to students with 12 hours of course work or more in English. (by appointment only)

### **EN 475 Seminar in English**

*2 hours*

A capstone course for English majors. Students will produce a major critical project demonstrating competencies in speech, writing, and information literacy. Completing a creative thesis is an option, but requires an application and faculty approval. Students may enroll for the course spring, interterm, or fall during the senior year; the course meets throughout the year.

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# **Health, Physical Education & Recreation Program**

## **Purpose Statement**

The department of health, physical education and recreation commits itself to developing graduates that embrace the liberal arts philosophy and can demonstrate a variety of skills efficiently and effectively, can analyze and critique movement, and understand the interrelationship of health, fitness, and wholeness in life.

The department achieves this purpose when its graduates

- understand the concepts of physical education and health content and applies these concepts for the development of an educated learner;
- understand how individuals learn and develop, including special needs learners, and can provide safe, developmentally appropriate opportunities that support their physical, cognitive, social and emotional development in the physical education environment;

- understand the need to foster relationships with colleagues, parents/guardians and other professionals in the learning community and seeks opportunities to grow professionally;
- uses knowledge of effective verbal, nonverbal and media communication techniques to foster inquiry, collaboration and engagement in various physical activity settings and understands how individuals differ in their approaches to learning;
- plans and implements a variety of developmentally appropriate instructional strategies to develop physical educated individuals;
- understand and uses formal and informal assessment strategies to foster the learning and skill development of all learners in physical activity;
- uses an understanding of individual group motivation and behavior to create a safe learning environment that encourages positive social interaction, active engagement in learning and self-motivation;
- develop a personal strategy for health and fitness, understanding that behaviors learned are a continual, lifelong process;
- demonstrate an appreciation for the necessary impact of play on the quality of life;
- meet the qualifications and standards of their chosen profession (majors only);
- meet State Department of Education standards and NCATE standards for licensure in the area of physical education and health (applies to those seeking teaching certification in physical education and health).

The department offers programs designed for teaching physical education and health in the elementary and secondary schools, graduate preparation, and a related area of special emphasis in sports management.

## Physical Education and Health Major

Completion of the required and supporting courses listed below, plus courses and/or a selected emphasis area of professional preparation should total a minimum of 37 semester hours in the department of physical education and 11 semester hours of required related courses.

### Requirements

- PE 110** Introduction to Team Sports (2 hours)
- G-PE 150** Concepts of Holistic Health (2 hours)
- PE 160** Intro to Dual and Individual Sports I (2 hours)
- PE 161** Intro to Dual and Individual Sports II (2 hours)
- G-PE 170** Personal and Community Health (2 hours)
- PE 180** First Aid and Personal Safety (2 hours)
- PE 210** Human Sexuality (3 hours)
- PE 220** Human Anatomy and Physiology for Physical Education (2 hours)
- PE 280** Care and Treatment of Athletic Injuries (3 hours)
- PE 288** Psychology and Sociology of Sport (2 hours)
- PE 330** Physiology of Exercise (3 hours)
- PE 375** Junior Seminar (1 hour)
- \*PE 380** History and Philosophy of Sport and Physical Education (3 hours)
- PE 411** Kinesiology (3 hours)
- PE 450** Organization & Administration of Health, Physical Education, and Athletics (3 hours)
- PE 475** Senior Seminar (2-6 hours)

### Required Supporting Courses

- G-BI 101** Principles of Biology (4 hours) or
- G-BI 111** College Biology (4 hours) or
- G-BI 106** Environmental Biology (4 hours)
- PE/SO 210** Human Sexuality (3 hours)

## Additional Requirements for Teacher Education Majors, PK-12

### Professional Education Requirements

Related Courses:

- PY 101** Introduction to Psychology (3 hours)
- PY 204** Child and Adolescent Development (3 hours)
- CI 232** Educational Technology (2 hours)
- CI 333** Intercultural Education (2 hours)

Education Courses:

- CI 150** Introduction to Education (3 hours)
- CI 251** Introduction to Education Practicum (1 hour)
- SE 210** Intro to Infant, Child, Youth with Special Needs (3 hours)
- CI 220** Principles & Strategies of Teaching (3 hours)

- CI 315** Reading in the Content Field (2 hours)
- CI 455** The Teaching-Learning Process (3 hours)

Methods Courses:

- PE/CI 426** Methods of Teaching School Health (2 hours)
- PE/EE 305** Methods of Teaching PE in Elementary School (2 hours)
- PE/CI 410** Methods of Teaching PE in Secondary School (2 hours)

Observations & Student Teaching:

- CI 351** Secondary Education Practicum (1 hour)
- EE 375** Elementary Education Practicum (1 hour)
- EE 465** Student Teaching in the Elementary School (6 hours)
- CI 475** Student Teaching in the Secondary School (6 hours)
- CI 476** Professional Seminar in Education (2 hours)

Total Hours 45 hours

## **Additional Requirements for Sports Management Emphasis**

- G-BA 101** Introduction to Business (3 hours)
- EC 202** Survey of Economics (3 hours)
- AC 205** Financial Accounting (3 hours)
- BA 224** Principles of Management (3 hours)
- BA 321** Marketing (3 hours)
- \*BA 339** Human Resource Management (3 hours)

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# **Health, Physical Education & Recreation Course Descriptions**

## **PE 110 Introduction to Team Sports**

*2 hours*

This course is an introduction to the organization, strategy, rules and practice of team sports. Team Sports covered in this course will include, but not be limited to ultimate frisbee, team handball, floor/field hockey, speedball, continuous whiffleball/ kickball, volleyball, cageball soccer/basketball, and mattball. This course is an introduction to the organization and practice of soccer, speedball, field hockey, softball, team handball, and volleyball. (Fall )

## **PE 140 Introduction to Rhythms and Dance**

*2 hours*

The purpose of this course is to provide students with a wide spectrum of information on rhythmic activities and dance. Students will learn body movements and how to perform them to music. Students will also choreograph and teach developmentally appropriate rhythmic activities and dance to others. (On Demand)

## **G-PE 150 Concepts in Holistic Health**

*2 hours*

This course is designed to present the student with cognitive health and wellness principles and to offer suggestions for their application. These principles will be examined using a traditional approach with a variety of cultural influences. Major areas of study include mind-body interrelatedness and control, stress management, individual fitness, health and health related topics, and lifestyle management (including play). (Fall, Spring)

## **PE 160 Introduction to Individual and Dual Sports I**

*2 hours*

This course is comprised of an introduction to the fundamentals, organization, and practice of tennis, golf, bowling, badminton, dance-ballroom/swing, orienteering, disc golf, and blow guns. This course exists because a basic understanding of the physical and mental principles in individual and dual sports is essential for the fullest and richest enjoyment. (Fall)

## **PE 161 Introduction to Individual and Dual Sports II**

*2 hours*

This course is comprised of an introduction to the organization and practice of racquetball, Pickleball, archery, ladderball, table tennis, billiards, dance – square/ line and fishing/camping. Individual and dual sports are an integral part of our society. This course exists because a basic understanding of the physical and mental principles in individual and dual sports is essential for the fullest and richest enjoyment. (Spring)

#### **G-PE 170 Personal and Community Health**

*2 hours*

The purpose of this course is to provide students with a wide variety of information concerning personal and community health and wellness. It is designed to have an overview of the physical, mental, emotional, social, and spiritual components of health as they combine to influence the complete human being. Included within the course will be an introduction to the management of stress, physical fitness, nutrition and weight management, drug use and abuse, noninfectious and infectious diseases, sexuality and fertility, consumerism, environmental concerns and the maturing adult. Additionally, a practical approach to setting up a personal improvement plan for lifetime wellness will be stressed. (Fall, Spring)

#### **PE 180 First Aid and Personal Safety**

*2 hours*

This course is designed for all students to understand and prevent accident situations, to treat a wide variety of accident and emergency situations including use of supportive equipment and psychological first aid, and receive American Red Cross certification for CPR. (Fall)

#### **PE/PY/SO 210 Human Sexuality**

*3 hours*

A study of female roles, male roles, values, life adjustments, sexual identities, religion, language, and behavior differences based on cultural, educational and socioeconomic factors related to human sexuality. Course uses lectures, audio- visuals, discussions, guest resource persons, assigned readings, and projects or papers to present information. Prerequisite: sophomore standing or higher or instructor consent. (Spring)

#### **PE 220 Human Anatomy and Physiology for Physical Education**

*2 hours*

Anatomy and physiology is designed to introduce the student to the science of the body structure and function. Content is presented in a simple to complex pattern which includes the design and function of cells, body systems, and the interdependence of systems. (Fall)

#### **PE 280 Care and Treatment of Athletic Injuries**

*3 hours*

The purpose of this course is to provide students with a wide spectrum of information on the care and treatment of athletes and their injuries. It is designed to provide an overview of emergency procedures and on-court assessment of injured athletes. The importance of preventative measures and an overview of the responsibilities of an athletic trainer will be addressed. Preparation and taping for game day will be discussed theoretically and rehearsed practically. (Fall)

#### **PE 288 Psychology and Sociology of Sport**

*2 hours*

This course is designed to expose the student to the principles of psychology and sociology as applied to a sports setting. The purpose being performance enhancement with the ultimate goal of individual/human enrichment. (Spring)

#### **PE/EE 305 Methods for Teaching Physical Education in the Elementary School**

*2 hours*

This course is designed to introduce prospective elementary school physical education and classroom teachers to the fundamentals, principles, and practices of physical education at the elementary school level. Movement exploration and methods will be stressed in the variety of play activities introduced. Additionally, this course has been designed to integrate theory and concept learning with practical laboratory experiences. Prerequisites: G-CI 150, CI 151. (Spring)

#### **PE 426/CI 426 Methods for Teaching Health in Elementary and Secondary School**

*2 hours*

A course designed to acquaint the student with a variety of methods and modalities for teaching school health. The health problems of the individual school child and his/her environment will also be studied. Students will be videotaped when teaching a lesson. Prerequisites: G-PE 150 or G-PE 170, G-CI 150, CI 151. (Interterm)

#### **PE 330 Physiology of Exercise**

*3 hours*

This course is designed for future educators, coaches, and a variety of other health professionals including physical therapists, occupational therapists, fitness programmers and other persons interested in his field. This course will provide concepts for safe and sensible conduct of sport and physical education programs as well as any other exercise-based programs. Prerequisites: G-BI 101, PE 220. (Spring, odd)

**PE375 Junior Seminar**

1 hour

This course is designed to help students foster relationships with colleagues and other professionals in the learning community for the promotion of health and physical education techniques for learning and teaching.

**PE 380 History & Philosophy of Sport & Physical Education**

3 hours (Language Intensive)

A study of the development of sport and physical education as affected by major historical periods and events. (Fall, even)

**PE/EE 410 Methods for Teaching Physical Education in the Secondary Schools**

2 hours

A study of various teaching techniques and analysis of fundamental skills of physical education activities in the secondary school setting. The course offers an opportunity to explore various teaching techniques in individual, dual, and team activities in the field of physical education for the secondary schools. Prerequisites: PE 110, PE 160, PE 161, G-CI 150, CI 251. (Interterm,)

**PE 411 Kinesiology**

3 hours

Kinesiology is the study of human motion based on anatomical, physiological and mechanical principles. The study of the human body as machine for the performance of work will be examined from three major areas, mechanics, anatomy and physiology. All students should have prerequisite courses of Principles of Biology and Introductory Chemistry. All students who have met the above requirements are welcome to participate in this course, but it will be taught from the perspective of those going into physical education and/or coaching. Prerequisites: G-BI 101, G-CH 101. (Fall, odd)

**PE 450 Organization and Administration of Health, Physical Education and Athletics**

3 hours

It is the goal of this course to introduce students to a variety of situations involving organization and administrative skills, and through this process, provide students with a broad range of organizational and administrative alternatives useful in the successful administration of school health, physical education and athletic programs. (Fall, odd)

**Pe 475 Senior Seminar**

2 hours

This is the culminating or "capstone" course for Physical Education majors that do not participate in student teaching. Discussion of current topics in Physical Education and the Allied Health fields would be combined with field experience to give the student a practical understanding of the fields they have chosen to pursue.

**Intercollegiate Competition:**

**PE 211 & 311** Intercollegiate Softball - Women (1 hour)

**PE 213 & 313** Intercollegiate Football-Men (1 hour )

**PE 214 & 314** Intercollegiate Basketball (1 hour)

**PE 215 & 315** Intercollegiate Cross Country (1 hour)

**PE 216 & 316** Intercollegiate Track and Field (1 hour)

**PE 217 & 317** Intercollegiate Volleyball-Women (1 hour)

**PE 219 & 319** Intercollegiate Soccer (1 hour)

Prerequisite: One season of intercollegiate competition.

**Individualized Courses Available:**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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# History & Politics Program

## Purpose Statement

The Department of History and Politics majors are designed to develop student scholarship in the study of history and political science, to nurture historical and political awareness, and to enhance critical and analytical skills. Graduates are prepared for a variety of careers where strong research, organization, and writing skills are needed, as well as for graduate and professional programs in history, political science, and law. The program also prepares graduates for careers in secondary education with a specialization in social studies. Majors at McPherson have the advantage of the college's central Kansas location, with research access to local, state, and federal libraries and archives. The department serves this purpose for students at McPherson College by

- providing wide access to available formal courses in the disciplines of history and politics;
- offering opportunities for independent research and reading in the relevant fields;
- encouraging students to study further in related graduate and professional programs;
- supporting and encouraging students with interests in careers related to the disciplines to pursue such careers;
- meeting State Department of Education standards for certification in the area of social studies (applies to candidates for teacher certification only)

## Course Content

*General Education* – “History: Students will demonstrate scholarship in the study of history, historical and political awareness; and critical and analytic skills in at least one area of world civilization.” — College Catalog. Courses fulfilling the history general education requirement are either 100 – or 200 – level classes. They are designed to emphasize how historic events shape people’s lives, as well as how historic events are interpreted in different ways.

*100 level* – No prior college experience required, no prior history coursework required. Designed to provide the most direct supervision of students. Includes emphasis on introductory terms and concepts. Student work emphasizes recall and use of material delivered in the course and completion of more directly prescribed assignments.

*200 level* – Suitable for students with no prior history coursework, students should have prior college experience. Students develop skill locating, interpreting and applying resources beyond those specifically provided by the instructor. Increased emphasis on both written and oral presentation consistent with the standards of the discipline. Higher expectations for engagement of students in classroom. Students expected to apply course content to subject areas beyond those directly delivered in the course.

*300 level* – Designed for students at the sophomore level or higher with previous college history coursework. Students develop skill in independently locating, interpreting and applying resources. Increased emphasis on both written and oral presentation consistent with the standards of the discipline, including a minimum 10 page written research paper and formal oral presentation. High expectations for engagement of students in classroom.

*400 level* – Intended for advanced students conducting largely independent research and project development. Students will locate resources, conduct research and implement curriculum of their own design, with faculty consultation and supervision.

## Program Options

*Option I*

## Bachelor of Arts in History

**Goals:** To prepare graduates for careers and post graduate education in history, museum studies, law, archival work, and related fields.

### Objectives:

- Students should be able to demonstrate field specific methodology in written and oral course work.
- Students should be able to discuss major problems in history drawing upon substantive knowledge in a field.
- Students should be able to analyze and critique theoretical frameworks for understanding historical continuity and change in human communities.
- Students should be able to assess and utilize materials in the media and popular culture as historians in the course of their daily lives.

**Requirements:** A minimum of 42 credit hours as described below.

### I. Core Courses:

**G-SO 101** Introduction to Sociology  
**G-HI 101** Historical Introduction to Politics  
**G-HI 130** Introductory Methods for Historical Analysis  
**EC 201** Elementary Economics: Macro  
Or **EC 202** Survey of Economics  
**HI 410** Historiography  
**\*HI 475** Senior Thesis

**II. Foundations: Complete 6 hours from the following list:**

**G-HI 110** World Civilization to 1500  
**G-HI 120** World Civilization since 1500  
**G-HI 140** American History to 1877  
**G-HI 150** American History since 1877

**III. Complete the following required supporting courses:**

**G-ML 108** Level I Spanish  
And **G-ML 109** Level II Spanish  
OR  
Two semesters in an equivalent foreign language program

Complete 6 hours in each of the following subfields for a total of 18 hours. At least 6 of these hours must be at the 300 level.

**Social History:**

**G-PR 202** History of Christianity  
**G-HI 236** Topics in Social History  
**\*PE 380** History & Philosophy of Sports and Physical Education  
**\*G-HI 333** Technology and Society  
**G-HI 261** Kansas History

**Political History:**

**G-HI 101** Historical Introduction to Politics  
**G-HI 220** Modern Europe  
**G-HI 237** Topics in Political History  
**HI 301** Advanced Historical Topics  
**HI/PS 356** American Diplomacy

**Cultural History:**

**HI 205** Social and Cultural History of the Automobile  
**\*G-MA 290** History of Mathematics  
**\*G-PA 385** Performing Arts History and Literature I  
**\*G-PA 390** Performing Arts History and Literature II  
**\*G-AR 310** Art History I  
**\*G-AR 311** Art History II

*Option II*

## **Bachelor of Arts in History for Teaching Licensure (6-12)**

**Goals:** To prepare graduates for careers in teaching social studies in grades 6-12.

**Required curriculum:** History and Government 6-12

**Endorsement Number:** History & Government 71599

**Requirements:** A minimum of 9 hours in U.S. History; 9 hours in World History; 9 hours in Political Science; plus 15 hours of supporting course work for a total of 42 hours. In addition, the candidate for teaching licensure must complete the Teacher Education Professional Education Requirements.

**I. Complete the following courses in U.S. History:**

**G-HI 140** American History to 1877  
**G-HI 150** American History since 1877

**HI 361** Kansas History

**II. Complete the following courses in World History:**

**G-HI 110** World Civilization to 1500

**G-HI 120** World Civilization since 1500

**G-HI 101** Historical Introduction to Politics

**III. Complete the following courses in Government:**

**G-PS 102** United States Government

**G-PS 130** Principles of Geography

**PS 356** American Diplomacy

All history majors seeking Social Studies certification:

**G-SO 101** Introduction to Sociology

**G-HI 130** Introductory Methods for Historical

**EC 201** Elementary Economics-Macro

Or **EC 202** Survey of Economics

**HI 410** Historiography

**HI/PS 475** Senior Thesis

Other courses required by Curriculum and Instruction Department for licensure.

*Option III*

## Bachelors of Science in Politics and History

**Goals:** To prepare graduates for careers and post graduate education in politics, government, law, library science and related fields.

**Objectives:**

Students should be able to demonstrate field specific methodology in written and oral course work.

Students should be able to discuss major problems in history drawing upon substantive knowledge in a field.

Students should be able to analyze current political problems and issues. Students should be able to assess and utilize materials in the media and popular culture as historians in the course of their daily lives.

**Requirements:** A minimum of 42 hours in history and political science.

**I. Required Courses:**

**G-HI 101** Historical Introduction to Politics

**G-PS 102** United States Government

**G-HI 130** Introductory Methods for Historical Analysis

**G-PS 130** Principles of Geography

**G-HI 120** World Civilization since 1500

**G-HI 150** American History since 1877

**G-SO 101** Introduction to Sociology

**G-PS 125** International Relations and Globalization

Or **\*G-PS 215** Global Peace Studies

**EC 201** Elementary Economics: Macro

Or **EC 202** Survey of Economics

**G-MA 221** Elementary Applied Statistics

**PS 356** American Diplomacy

+ One additional History or Politics course at the 300 level or above

**HI 410** Historiography

**\*HI 475** Senior Thesis

*Option IV*

## History Minor

A minor in history consists of 18 hours of history courses chosen from the list of courses in the history major and must include courses in both world and American history. At least two courses counting toward the history minor must be for upper level credit.



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# History & Politics Course Descriptions

## **G-HI 101 Historical Introduction to Politics**

*3 hours*

An introduction to the history of political ideas, and the ways in which politics and government have changed, yet in many ways stayed the same, from ancient Greece to the present. Topics include the questions of the limits of government power, when to disobey the law, conflict between church and state, political intervention in the economy, and how we balance our security needs with our desire to be free. (Fall)

## **G-HI 110 World Civilization to 1500**

*3 hours*

An introductory survey of the history of world civilizations. The course starts in the beginning with the earliest agricultural communities in Mesopotamia, Egypt, India, and China, examines the rise of the world's great civilizations, and concludes with the European Middle Ages. (Fall)

## **G-HI 120 World Civilization since 1500**

*3 hours*

An introductory survey of the history of world civilizations. The course starts with the European Age of Exploration and continues through to the present day. Special emphasis is given to the rise and dominance of the West in world history. (Spring)

## **G-HI 130 Introductory Methods for Historical Analysis**

*3 hours*

An introduction to the study of history, designed for general education for non- majors and as a core course for majors. Students will acquire an understanding of the important people, events, and concepts that shape history through the use of critical thinking and analytical skills. By approaching history as a historian, students will examine historical scholarship, primary source materials and the methods used by historians to understand the past. While specific topics will vary from year to year, sample topics include Medieval Military History and the Crusades. (Interterm)

## **G-HI 140 American History to 1877**

*3 hours*

An introductory survey of selected topics in the history of the United States from the pre-Columbian period to the end of Reconstruction in 1877. (Fall)

## **G-HI 150 American History since 1877**

*3 hours*

An introductory survey of selected topics in the history of the United States from the period of Reconstruction to the present day. (Spring)

## **HI 205 Social and Cultural History of the Automobile**

*3 hours*

A study of the global development of the automobile from its precursors to concept cars of the future. Extra emphasis is given to the American automobile and its importance in American life, including attention to both the technical and corporate aspects of the topic as well as the automobile's role in society and culture. (Spring, Monday evenings)

## **G-HI 210 International Travel Study in History**

*3 hours*

An opportunity to travel abroad while studying a topic in world history at historical locations. Students gain a deeper, more personal experience of history, beyond the possibilities of pure classroom content. The specific content and travel location will change from year to year. This course fulfills the General Education Foundation requirement for a Global / Intercultural Experience and may be repeated. Contact the instructor for more information. (Occasional Interterms, odd years)

## **G-HI 220 Modern Europe**

*3 hours*

A study of the modern historical forces and events that have culminated in the creation of Europe. This course explores topics including World War I and its disastrous peace settlement, the mass destruction and atrocities of World War II, and the political, cultural, and economic processes that created the European Union of the twenty-first century. (Fall, even years)

## **G-HI 236 Topics in Social History**

*3 hours*

An examination of a select time, subject, or related episodes in history. This course explores the chosen topic through the lens of social history; one of the single most important developments in the late 20th century expansion of historical methods. While specific topics will vary from year to year, sample topics include Historical Epidemics and the European Witch Trials. (Fall)

### **G-HI 237 Topics in Political History**

*3 hours*

An examination of a select time, subject, or related episodes in history. This course emphasizes the methods of political history, one of the oldest and most respected fields among historians. While specific topics will vary from year to year, sample topics include Fascism, The Russian Revolution, and The English Civil War. (Fall, odd years)

### **G-HI 261 Kansas History**

*3 hours*

A study of the history Kansas, from the earliest Indian settlements through the political history of the modern state. The course examines the contributions Kansans have made to the total stream of American development. Designed with special relevance for public school teachers. (Spring, even years).

### **HI 301 Advanced Historical Topics**

*3 hours*

An advanced study of a select time, subject, or critical period in history. This course explores the chosen topic through the lens of political history, one of the most important historical methods. While specific topics will vary from year to year, sample topics include Modern Africa, Medieval Europe, and Early modern Europe. (Spring)

### **G-HI 333 Technology and Society**

*3 hours (Language Intensive)*

An advanced study of the historical development of technology as part of society and culture, exploring the ways which society and culture constrain and stimulate technologies, and the ways in which technology then shapes society and culture. Does not require previous specialized technical knowledge. This course is designed for both majors and non-majors. Prerequisite: G-EN111 or consent of the instructor. (Fall.)

### **HI 356 American Diplomacy**

*3 hours*

A survey of the diplomatic relations of the United States, focusing on the events since 1900. The first half of this course focuses on a historical approach, providing an understanding of American actions in the world and their consequences. The second half of the course focuses on the processes and decision makers that create United States Foreign Policy. Substantive topics include the role of the US as the "world's policemen", and the nature of the US response to problems such as global terrorism, hunger, human rights, economic cooperation, and climate change. (Spring, even years)

### **HI 410 Historiography**

*3 hours*

An advanced study designed to train students in historical research methodology and historiography. . The seminar is designed to allow students the opportunity to become familiar with the practices and techniques of professional historians and researchers. Prerequisite: Open to history majors and minors or with permission of instructor. (Fall, even years)

### **HI 475 Senior Thesis**

*3 hours (Language Intensive)*

A capstone experience in historical research, analysis, and writing. The seminar offers students experience in seeking out and evaluating both primary and secondary sources of historical information Graduation requirement of all history majors. Prerequisite: Successful completion of HI 410 and permission of instructor. All students intending to take HI 475 must have a formal meeting with their thesis advisor in the previous semester. (Fall, Spring)

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

## **Political Science Course Descriptions**

### **G-PS 101 Historical Introduction to Politics**

*3 hours*

An introduction to the history of western civilization and political ideas. This course explores politics and government from ancient Greece to the present. Topics include the questions of the limits of government power, when to disobey the law, conflict between church and state, political intervention in the economy, and how we balance our security needs with our desire to be free. (Fall)

### **G-PS 102 United States Government**

*3 hours*

A critical study of systems and structure of government and politics in the United States. This course explores key issues in American politics such as the debate over gun control and the right to bear arms, prayer in public schools, abortion, and gay rights, by examining the actors and outcomes in the political process. For example, how do interest groups, mass media, and political parties shape U.S. politics? How does congress, the president, and the Supreme Court act, or fail to act, to meet the needs of society? (Fall, even years)

### **G-PS 125 International Relations and Globalization**

*3 hours*

An introduction to the study of international politics focusing on understanding current problems. Central topics include understanding how nations use both military action and cooperative agreements to provide for their security and well-being: how the global trade and financial system has become an engine for wealth; understanding the gap that has grown between the rich and the poor; and the challenge posed to humanity by the environmental degradation of the earth. (Interterm, even years)

### **G-PS 130 Principles of Geography**

*3 hours*

Location, Location, Location! This course explores the physical, social, historical, and cultural landscapes of the earth from a geographic perspective, to demonstrate how location in space fundamentally shapes how the diverse peoples of the world live. Required for students seeking certification as secondary teachers in Social Studies. (Fall, odd years)

### **G-PS 215 Global Peace Studies**

*3 hours (Language Intensive)*

An analysis of the problem of international conflict. This course studies the economic, political, and ideological causes of international violence, and the mechanisms used to mediate and resolve modern conflicts. Prerequisite: G-EN 110 and G-EN 111 or recommendation of the instructor. (Spring, odd years)

### **PS 356 American Diplomacy**

*3 hours*

A survey of the diplomatic relations of the United States, focusing on the events since 1900. The first half of this course focuses on a historical approach, providing an understanding of American actions in the world and their consequences. The second half of the course focuses on the processes and decision makers that create United States Foreign Policy. Substantive topics include the role of the US as the "world's policemen", and the nature of the US response to problems such as global terrorism, hunger, human rights, economic cooperation, and climate change. (Spring, even years)

### **PS 475 Senior Thesis**

*3 hours (Language Intensive)*

A capstone experience in reading, research, and writing. The seminar offers students experience in seeking out and evaluating both primary and secondary sources of political information. The seminar is designed to allow students the opportunity to become familiar with the practices and techniques of professional political scientists. Prerequisite: Successful completion of HI 375, HI 410, and permission of instructor. Students intending to take PS 475 must have a formal meeting with their thesis advisor in the previous semester. (Fall, Spring)

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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## **Mathematics Program**

## Purpose Statement

The purpose of the mathematics program is to develop students who understand mathematics as an academic discipline, who can use mathematics as a problem-solving tool in other disciplines, and who are skilled in mathematical reasoning, problem solving, critical thinking and communication.

The mathematics program achieves this purpose when its students

- have received a coherent, broad-based coverage of the discipline of mathematics;
- demonstrate conceptual and procedural understanding of mathematics;
- can apply their knowledge to specific, constrained problems and produce solutions;
- possess a foundation of theory that will enable lifelong learning and development;
- meet State Department of Education standards for licensure in the area of mathematics (applies to education majors in mathematics only).

The information technology program at McPherson College commits itself to producing graduates who understand the field of computing as an academic discipline and as a profession within the context of a larger society.

The program achieves this purpose when its students

- have received a coherent and broad-based coverage of the discipline of computing;
- are prepared for graduate study as well as for the programming profession;
- understand the ethical and societal issues associated with the computing field;
- can apply their knowledge to specific, constrained problems and produce solutions;
- possess a foundation of theory that will enable lifelong learning and development;
- have experience with contemporary tools that lead to good experimental methods

## Mathematics Major

The department offers a major and minor in mathematics. Mathematics is a discipline essential to all facets of the employment world and an excellent background for a variety of specific professions; the emphasis of our program is teacher preparation, and secondary teaching licensure is available. Mathematics is also an excellent background for graduate studies in diverse fields.

### Requirements

*42 hours of mathematics courses including the following:*

- G-MA111** Calculus I (4 hours)
- MA112** Calculus II (4 hours)
- MA123** Discrete Mathematics (3 hours)
- G-MA153** Principles of Geometry (3 hours)
- G-MA201** Survey of Mathematics (3 hours)
- MA212** Calculus III (4 hours)
- G-MA221** Elementary Applied Statistics (4 hours)
- MA366** Differential Equations (4 hours)
- \*G-MA290** History of Mathematics (3 hours)
- MA411** Introduction to Algebraic Structures (4 hours)
- MA342** Modern Geometry (4 hours)
- MA375** Junior Seminar (1 hour)
- \*MA475** Senior Project (2 hours)

### Required Supporting courses (all mathematics majors)

- IT 100** Computers and Information Technology (3 hours)
- IT 200** Introduction to Programming (3 hours)
- IT 201** Data Structures (3 hours)
- PH205** College Physics I (5 hours)

### Required Supporting Courses (students seeking teaching licensure)

See Teacher Education Handbook

### Required Supporting Course (students not seeking teaching licensure)

- PH205** College Physics II (5 hours)

## Mathematics Minor

## Requirements

- G-MA 111** Calculus I (4 hours)
- MA 112** Calculus II (4 hours)
- G-MA 221** Elementary Applied Statistics (4 hours)

Plus one course from the following list

- MA123** Discrete Math (3 hours)
- G-MA153** Principles of Geometry (3 hours)
- G-MA201** Survey of Mathematics (3 hours)
- \*G-MA290** History of Mathematics (3 hours)

Plus one course from the following list

- MA212** Calculus III (4 hours)
- MA366** Differential Equations (4 hours)
- MA342** Modern Geometry (4 hours)
- MA311** Introduction to Algebraic Structures (4 hours)

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# Mathematics Course Descriptions

## ID 110 Beginning Algebra Laboratory

*1 hour*

This college-preparatory course is designed to supplement the algebraic background of students prior to taking Intermediate Algebra. Topics include sets, fundamental operations, polynomials, linear equations and inequalities, factoring, graphing of linear equations, radical expressions, and use of calculators. Prerequisites: One year or less of high school mathematics. (Spring)

## ID 119 Intermediate Algebra

*3 hours*

This course presents algebraic skills needed prior to taking college level mathematics coursework. Topics include linear equations and inequalities in two variables and their graphs, systems of linear equations and inequalities, introduction to functions, factoring, algebraic fractions, rational equations, radicals and rational exponents, complex numbers, and quadratic equations. Prerequisites: ID 110 Beginning Algebra Laboratory with a grade of C or better, or two years of high school mathematics and an ACT mathematics score of at least 15 or an appropriate score on the departmental placement test. (Fall & Spring)

## G-MA 105 College Algebra

*4 hours*

A study of elementary concepts of sets, fundamental properties of the real number system, linear and nonlinear relations, functions and their graphical representations, matrices and determinants, permutations and combinations, and mathematical induction. Prerequisite: ID 119 Intermediate Algebra with a grade of C or better, or three years of high school mathematics and an ACT mathematics score of at least 22 or an appropriate score on the departmental placement test. (Spring)

## MA 106 Precalculus

*4 hours*

A detailed study and analysis of algebraic and transcendental functions. Includes their properties, related analytic geometry, limits and continuity. Prerequisite: G-MA 105 College Algebra with a grade of C or better, or three years of high school mathematics and an appropriate score on the departmental placement test. (on demand)

## G-MA 111 Calculus I

*4 hours*

Review of functions, graphs and models; introduction to limits, derivatives and integrals of algebraic and trigonometric functions; applications of differentiation and integration. Prerequisite: MA 106 Precalculus with a grade of C or better, or four years of high school mathematics and an ACT mathematics score of at least 25 or an appropriate score on the departmental placement test. (Fall)

## MA 112 Calculus II

*4 hours*

Limits, derivatives and integrals of exponential, logarithmic and inverse trigonometric functions; techniques of integration; calculus of parametric and polar-coordinate equations; infinite sequences and series; first-order differential equations. Prerequisite: G-MA 111 Calculus I with a grade of C

or better. (Spring)

### **MA 123 Discrete Mathematics**

*3 hours*

A study of some of the basic topics of discrete mathematics, including elementary logic, properties of sets, functions and relations, mathematical induction, counting problems using permutations and combinations, trees, elementary probability, and an introduction to graph theory. Prerequisite: ID 119 Intermediate Algebra with a grade of C or better, or an ACT mathematics score of at least 24 or four years of high school mathematics and an appropriate score on the departmental placement test. (Fall, even years)

### **G-MA153 Principles of Geometry**

*3 hours*

A coverage of the basic principles of Euclidean geometry. Topics include points, lines, segments, rays, angles, congruence, parallel lines, polygons (special attention is given to triangles and quadrilaterals), geometric similarity, properties of right triangles, area of various plane regions, solid geometry, and an introduction to trigonometry. Prerequisite: ID 119 Intermediate Algebra, or a mathematics ACT score of 17 or greater. (Fall)

### **G-MA 201 Survey of Mathematics**

*3 hours*

A study of the philosophy, nature, significance and use of mathematics from early times to the present. Topics may include the use of graph theory to solve optimization problems in management science; conflict resolution using fair division; mathematical analysis of voting systems; applications of geometry to the size and shape of objects and to calculating inaccessible distances; geometric growth and decay; non-Euclidean geometry; number systems; logic; and probability and statistics. Prerequisite: ID 110 Beginning Algebra Laboratory with a grade of C or better, or two years of high school mathematics and an ACT mathematics score of at least 15 or appropriate score on the departmental placement test. (Spring)

### **MA 212 Calculus III**

*4 hours*

Three-dimensional coordinate systems; vectors and vector-valued functions; partial derivatives; multiple integrals; vector calculus; second-order differential equations. Prerequisite: MA 112 Calculus II with a grade of C or better. (Fall)

### **G-MA 221 Elementary Applied Statistics**

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A study of the principles of descriptive statistics, probability, sample and population relationships, estimation, and hypothesis testing. The computer is used as an aid in problem solving. Prerequisite: ID119 Intermediate Algebra with a grade of C or better, or three years of high school mathematics and an ACT mathematics score of 22, or an appropriate score on the departmental placement test. (Fall and Spring)

### **G-MA 290 History of Mathematics**

*3 hours (Language Intensive)*

Study of some of the most influential mathematicians from antiquity to the modern era, and their impact on the development of mathematical thought. Particular emphasis is given to the contributions of different ethnic groups and cultures. Prerequisite: G-MA 105 (or higher level course) with a grade of C or better. (Interterm, odd years)

### **MA 411 Introduction to Algebraic Structures**

*4 hours*

A survey of abstract algebra, with an emphasis on linear algebra. Topics include bijections, projections, groups, rings, matrices, modules, vector spaces and eigen values. Prerequisite: MA 112 Calculus II with a grade of C or better (Spring, odd years)

### **MA 342 Modern Geometry**

*4 hours*

A survey of selected topics in Euclidean geometry, projective geometry, non-Euclidean geometry, foundations of geometry and convex figures. Required for secondary education mathematics majors. Prerequisite: MA 112 Calculus II with a grade of C or better. (Spring, even years)

### **MA 366 Differential Equations**

*4 hours*

Introduction to methods and applications of ordinary differential equations. Topics include first order differential equations and applications, higher order linear differential equations with applications, Laplace transforms and an introduction to numerical methods. Prerequisite: MA 112 Calculus II with a grade of C or better. (Spring, even years)

### **MA 375 Junior Seminar**

*1 hour*

A colloquium-type seminar. Junior mathematics majors prepare for an independent senior project in mathematics and select a project topic. (Fall)

### **MA 441 Combinatorics and Graph Theory**

3 hours

A study of directed graphs, trees, circuits, paths, network flows, basic combinatorics, generating functions, difference equations. Emphasis on applications and on use of computer in problem solutions. Prerequisite: MA 112 Calculus II with a grade of C or better. (on demand)

### **MA 475 Senior Project**

2 hours (*Language Intensive*)

Students will investigate an advanced topic in a field of mathematics outside their classroom experience. Students will work in continual consultation with their research advisor. Regular informal oral and written updates of the project are required. The project culminates with a formally written project and a formal oral presentation of the project. (Fall)

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

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## **Information Technology Program - Dormant**

### **Information Technology Major - *This program is dormant at present***

The department offers a major and minor in information technology. The major will prepare students for a variety of careers in computer science but emphasizes data management with web site development applications..

#### **Requirements**

39 hours of information technology courses including:

- IT 100** Computers and Information Technology (3 hours)
- IT 110** Web Development Tools (3 hours)
- IT 200** Introduction to Programming (3 hours)
- IT 201** Data Structures (3 hours)
- IT 210** Information Technology Systems (3 hours)
- IT 220** Programming in a Second Language (3 hours)
- IT 301** Computer Systems (3 hours)
- IT 360** Human Computer Interaction (3 hours)
- IT 401** Operating Systems (3 hours)
- IT 421** Database Management Systems (3 hours)
- IT 431** Data Communications and Networks (3 hours)
- IT 460** Information Security (3 hours)
- IT 375** Junior Seminar (1 hour)
- IT 475** Senior Project (2 hours)

#### **Required supporting courses:**

- MA 123** Discrete Mathematics (3 hours)
- G-MA221** Elementary Applied Statistics (4 hours)
- AR340** Web-Based Design (3 hours)

#### **Recommended supporting courses**

- AR230** Graphic Design I

## **Information Technology Minor**

#### **Requirements**

21 hours of information technology including:

- IT 100** Computers and Information Technology (3 hours)
- IT 200** Introduction to Programming (3 hours)

- IT 201** Data Structures (3 hours)
- IT 210** Information Technology Systems (3 hours)
- IT 301** Computer Systems (3 hours)
- IT 360** Human Computer Interaction (3 hours)

Two courses at the 300 or above level (6 hours)

### **Required supporting courses**

- MA 123** Discrete Mathematics (3 hours)
- G-MA221** Elementary Applied Statistics (4 hours)
- AR240** Web-Based Design (3 hours)

### **Recommended supporting courses**

- AR 320** Graphic Design I

## **Information Technology Course Descriptions**

### **IT 100 Computers and Information Technology**

*3 hours*

An overview of computer technology and its relation to society. Through a hands-on approach, students will learn basic concepts of computer architecture, operating systems, computer communications, software engineering, programming languages, and applications software. Students will have the opportunity to reflect on the integration of computer technology and society (past/present/future).

### **IT 110 Web Development Tools**

*3 hours*

This course introduces students to one or more web development tools. The specific tool(s) introduced will vary depending on the interest and needs of the students and faculty. The list of tools that may be introduced includes but is not limited to the following: Flash, Dreamweaver, Photoshop, Adobe Premiere, or 3-D Studio Max. This course may be taken multiple times provided the emphasis is different for each time enrolled.

### **IT 200 Introduction to Programming**

*3 hours*

An introductory course for computer science majors. A rigorous study of problem solving using a high-level procedural language. Topics covered will include simple types, expressions, structure types, fundamental control structures, simple and formatted input and output, procedures, documentation, file manipulation, design methodologies, and debugging techniques. Students will complete several programming projects. Prerequisite: Mathematics equivalent to high school algebra.

### **IT 201 Data Structures**

*3 hours*

A continuation of Introduction to Programming. The improvement of design skills and programming style is emphasized through practice with increasingly complex data structures and programming projects. Students are introduced to several classic algorithms, pointers, functions, recursion, and a second programming language. Prerequisite: IT200 Introduction to Programming

### **IT 210 Information Technology Systems**

*3 hours*

Information Technology (IT) is a field which includes the development of systems for educational, business, and civil use. This course provides a foundation for the student of Information Technology. Various IT systems and terminology used in the field will be introduced. The systems development lifecycle, project management, and the role of IT personnel in selecting and developing new systems will be explored.

### **IT 220 Programming in a Second Language**

*3 hours*

This course introduces students to current languages used in web development. The specific language(s) or language applications introduced will vary depending on the interest and needs of the students and faculty. The list of languages that may be introduced includes but is not limited to the following: Visual BASIC .NET or Visual C++ .NET Implementing Web Applications; or Visual BASIC .NET or Visual C++ .NET developing XML Web Services; or Javascript; or PHP. This course may be taken multiple times provided the emphasis is different for each time enrolled. Prerequisite: IT



201 Data Structures in C++.

### **IT 301 Computer Systems**

*3 hours*

A study of machine organization, using assembly language. Alternative architectures, instruction formats, addressing modes, logic and arithmetic operators, and appropriate programming techniques are explored through several programming projects and lectures. Prerequisite: IT 201 Data Structures.

### **IT 360 Human Computer Interaction**

*3 hours*

The discipline of Information Technology (IT) requires an understanding of the user when developing IT applications and systems. This course provides a basis for learning user centered systems design and development. An introduction to the basic concepts of human-computer interaction, including human factors, performance analysis, cognitive processing, usability studies, environment, and training will be given.

### **IT 375 Junior Seminar**

*1 hour*

A colloquium-type seminar studying an advanced topic or a collection of topics. Junior computer science majors prepare for an independent senior project in computer science and select a project topic.

### **IT 401 Operating Systems**

*3 hours*

An introduction to the major concept areas of operating systems, including process, memory, device, and file systems management; concurrency; synchronization; historical development of operating systems; and system structure. Prerequisite: IT 301 Computer Systems.

### **IT 421 Database Management Systems**

*3 hours*

Levels of abstraction found in typical database management systems. A study of various models for databases. Query processing and data manipulation. Database design theory. Implementations of various models discussed. Security and integrity of system. Role of database administration. Prerequisite: IT 201 Data Structures in C++ and IT 110 Information Technology Systems.

### **IT 431 Data Communications and Computer Networks**

*3 hours*

A survey of data communications and networks. Covers practice, theory and applicable standards in the areas of transmission systems, network architectures, network controllers and virtual environments for application programs. Prerequisite: CS 301 Computer Systems.

### **IT 460 Information Security**

*3 hours*

Information Security is paramount in today's business world. This course provides an overview of the field of Information Security. Students will be exposed to security issues, practices, and tools. In addition, disaster recovery planning, security planning and threat analysis will be fully explored.

### **IT 475 Senior Project**

*2 hours (Language Intensive)*

Students will investigate an advanced topic in a field of information technology outside their classroom experience. Students will work in continual consultation with their research advisor. Regular informal oral and written updates of the project are required. The project culminates with a formally written project and a formal oral presentation of the project.

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

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## **Spanish Program**

## Purpose Statement

The Department of Modern Languages commits itself to the teaching of a second language. Equally important in second language acquisition is the development and nurturing of intercultural awareness and sensitivity.

The department achieves its goals when its graduates

- demonstrate proficiency in the target language;
- demonstrate knowledge of the various cultures of the target language;
- commit themselves to the pursuit of intercultural intelligence and appreciation.

## Spanish Major

### Requirements

*A minimum of 32 semester hours, including:*

- G-ML108** Level I Spanish (3 hours)
- G-ML109** Level II Spanish (3 hours)
- G-ML208** Level III Spanish (3 hours)
- G-ML209** Level IV Spanish (3 hours)
- ML309** Hispanic Cultures (3 hours)
- ML350** Junior Semester Abroad (12 hours)
- ML384** Intermediate-Level Composition and Conversation (3 hours)
- ML385** Advanced-Level Composition and Conversation (3 hours)
- ML475** Senior Seminar (2 hours)

The following courses may be taken abroad:

- ML308** Spanish Language Literature (3 hours or equivalent)
- ML458** Structure of the Spanish Language (2 hours or equivalent, such as advanced grammar)

Should a student not be able to complete the semester abroad, s/he may request an alternate immersion program be substituted. This program would include the following (as well as other requirements):

- G-ML168/268** Spanish for Travelers (4 hours)
- G-ML370** Service Learning Opportunity (4 hours)

### Required Supporting Courses:

- EN230** Linguistics (2 hours)

Students may elect to enroll in Spanish I or II for either three or four hours. Students who enroll for four hours must fulfill an internship or volunteer placement within the Spanish-speaking community. Students enrolled in Spanish III and IV are required to fulfill an internship or volunteer placement within the Spanish-speaking community.

To enhance a student's exposure to the Spanish-speaking world, students are strongly encouraged to enroll in both G-ML168/268 and G-ML370.

Students who can demonstrate language proficiency (via a placement exam) may be waived from enrolling in G-ML108 and G-ML109.

All students seeking a B.A. degree are required to enroll for one semester of Spanish. Students who have had zero to one year of high school Spanish will be placed in Spanish I. Students who have had two to three years of high school Spanish will be placed in Spanish II. Students who have had four to six years of high school Spanish may be waived from the Spanish language requirement if they can demonstrate language proficiency via written and oral examination.

## Teaching Licensure in Spanish (PK-12)

The requirements for teaching licensure in Spanish are specified in the Curriculum and Instruction Department listing. They include the major in Spanish and professional education requirements.

## Spanish Minor Requirements

*A minimum of 18 semester hours, including*

- G-ML 208** Level III Spanish (4 hours)
- G-ML 209** Level IV Spanish (4 hours)

*Note: The following courses may be counted toward fulfillment of the 18 semester hours:*

**G-ML 108** Level I Spanish (4 hours)

**G-ML 109** Level II Spanish (4 hours)

## Teaching Licensure in English as a Second Language (ESL)

### Requirements

The requirements for teaching licensure in English as a Second Language are specified in the Curriculum and Instruction Department listing and in the English Department listing.

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## Spanish Course Descriptions

### **G-ML 108 Level I Spanish**

*3-4 hours*

Acquisition of the four skills: hearing, speaking, reading, and writing. Latin American and Spanish cultural aspects are an integral part of this course. Classes conducted in Spanish. Tutorial sessions required. (Fall)

### **G-ML 109 Level II Spanish**

*3-4 hours*

A continuation of G-ML 108 with emphasis on mastery of the verb tenses and building of vocabulary. Classes conducted in Spanish. Tutorial sessions may be required. (Spring)

### **G-ML168/268 Spanish for Travelers**

*4 hours*

Language immersion experience in Spanish-speaking countries.

### **G-ML 208 Level III Spanish**

*4 hours*

A review of grammatical principles followed by readings and vocabulary expansion. Classes conducted in Spanish. Oral preparation necessary for discussion of topics, short stories, and cultural research. Tutorial sessions or service experience required. (Fall)

### **G-ML 209 Level IV Spanish**

*4 hours (Language Intensive)*

A continuation of G-ML 208 with increased emphasis on original reading selections in Spanish and student compositions. Fulfills the requirements of a language intensive class. Tutorial sessions or service experience required. (Spring)

### **EN 230 Linguistics**

*2 hours*

An introductory course in linguistics to familiarize students with the discipline and to help them to analyze the structure, phonology, morphology, and syntax of the English language, while also learning about families of languages and some fundamental differences in languages around the world. (Fall)

### **ML 308 Spanish Language Literature**

*3 hours*

A study of Spanish language literature.

### **ML 309**

*3 hours*

A study of the cultural patterns of Hispanic peoples. (Fall)

### **ML 350 Junior Year Abroad**

*12-36 hours*

Students pursuing the major or licensure in Spanish are required to spend the equivalent of one semester (at least 12 credit hours) abroad or in comparable immersion programs. Students may fulfill this requirement in a variety of ways, but must first seek approval from the Spanish program director. See ML350 syllabus for specific requirements.

### **ML 384 Intermediate-Level Composition and Conversation**

*3 hours*

A course designed to correct weaknesses in writing skills and to develop conversational skills, with equal emphasis to both. Taught completely in Spanish. Prerequisite: G-ML209 or equivalent. (Fall)

### **ML 385 Advanced-Level Composition and Conversation**

*3 hours*

A course designed to put into practice skills learned at Intermediate levels. Focuses on Idiomatic expressions, difficult grammar structures and extensive vocabulary. Taught completely in Spanish. Prerequisite: ML 384 or equivalent. (Spring)

### **G-ML 370 Service Learning Opportunity**

*4 hours*

Students will travel for the purpose of a community service project wherein they are required to participate actively in disaster relief work. In addition to the on-site relief work, students are required to participate in scheduled group sessions, which are designed to assist the student in acquiring additional cultural knowledge about the said travel site.

### **ML 475 Senior Seminar in Spanish**

*2-4 hours*

The individual project of the senior student in areas of literature, language, or language pedagogy. The content of this course is open to the interest of the student regarding aspects of the culture that have not been studied previously. (Fall/Spring)

### **CI 404 Methods for Teaching Modern Language in the Secondary Schools**

*3 hours*

Students will study the appropriate and most effective ways of teaching foreign language and culture. Practical applications of strategies and techniques are utilized to accomplish the objectives. Curriculum, evaluation, audio-visual materials, music, folklore, customs, gestures, and professional language organizations are included in this study.

### **ML 458 Structure of the Spanish Language**

*2 hours*

The systematic analysis of the phonology, morphology and syntax of Spanish from the standpoint of structure, historical and contrastive linguistics.

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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## **Natural Science Program**

### **Purpose Statement**

*The Department of Natural Science provides:*

- a career-oriented approach to pre-professional preparation in the health sciences
- a liberal arts and sciences approach to environmental health and sustainability
- a hands-on approach to education in the laboratory and through student research
- preparation to meet the Kansas State Department of Education standards for licensure in biology and chemistry

### **Biochemistry Major (Recommended for Pre-Medical Students)**

#### **Requirements**

**G-CH 111** College Chemistry I (5 hours)

**CH 112** College Chemistry II (5 hours)

**CH 251** Organic Chemistry I (5 hours)

**CH 252** Organic Chemistry II (5 hours)  
**CH 201** Quantitative Analysis (4 hours)  
**CH 370** Biochemistry (4 hours)  
**G-BI 111** College Biology I (4 hours)  
**BI 112** College Biology II (4 hours)  
**BI/CH 310** Statistical Data Analysis (4 hours)  
**BI/CH 360** Cell Physiology/Biochemistry II (4 hours)

Select one from the following:

**BI 283** Genetics (4 hours)  
**BI 334** Microbial Ecophysiology (5 hours)  
**BI 364** Cell and Molecular Biology (4 hours)  
**BI 384** Molecular Genetics (4 hours)  
**CH 390** Instrumental Analysis (3 hours)

### Required Supporting Courses

**G-PH 215** General Physics I (4 hour)  
**PH 216** General Physics II (4 hour)  
**\*NS 300** Research Methods (1 hour)  
**NS 375** Junior Seminar (1 hour)  
**\*NS 475** Senior Seminar (2 hours)

## Biology Major (Recommended for other Health Science careers)

### Requirements

*A minimum of 32 semester hours of biological science coursework, including*

**G-BI 111** College Biology I (4 hours)  
**BI 112** College Biology II (4 hours)  
**BI 283** Genetics (4 hours)  
**BI 310** Statistical Data Analysis (4 hours)

8 credit hours chosen from among the 300 Level BI Courses

### Required Supporting courses

**G-CH 111** College Chemistry I (5 hours)  
**CH 112** College Chemistry II (5 hours)  
**CH 251** Organic Chemistry I (5 hours)  
**CH 252** Organic Chemistry II (5 hours)  
**G-PH 215** General Physics I (4 hours)  
**\*NS 300** Research Methods (1 hour)  
**NS 375** Junior Seminar (1 hour)  
**\*NS 475** Senior Research (2 hours)

## Biology Major - Teaching Licensure in Biology (6-12)

### Biology Major for Teacher Licensure

*A minimum of 32 semester hours, including:*

**G-BI 111** College Biology I (4 hours)  
**BI 112** College Biology II (4 hours)  
**G-BI 201** Biodiversity (4 hours)  
**BI 283** Genetics (4 hours)  
**\*NS 300** Research Methods (1 hour)  
**NS 375** Junior Seminar (1 hour)

12 Credit hours chosen from among the remaining BI or NS courses numbered 200 or higher, including at least one organismal course and one population course.

### Required Supporting Courses

**G-CH 111** College Chemistry I (5 hours)

- CH 112** College Chemistry II (5 hours)
- CH 251** Organic Chemistry I (5 hours)
- CI 232** Educational Technology (2 hours)
- G-MA 221** Elementary Applied Statistics (4 hours)
- G-PE 170** Personal and Community Health (2 hours)
- G-PH 215** General Physics I (4 hours)
- G-PY 101** Introduction to Psychology (3 hours)

Students pursuing this major must also meet all professional requirements for teacher licensure in the Curriculum and Instruction Department.

## Biology Minor

### Requirements

*A minimum of 20 semester hours, including*

- G-BI 111** College Biology I (4 hours)
- BI 112** College Biology II (4 hours)
- BI 283** Genetics (4 hours)

At least eight hours of additional biology courses

### Required supporting courses

- G-CH 111** College Chemistry I (5 hours)
- CH 251** Organic Chemistry I (5 hours)

## Chemistry Major

### Requirements

*A minimum of 36 semester hours including*

- G-CH 111** Chemistry I (5 hours)
- CH 112** Chemistry II (5 hours)
- CH 251** Organic Chemistry I (5 hours)
- CH 252** Organic Chemistry II (5 hours)
- CH 201** Quantitative Analysis (4 hours)
- CH 390** Instrumental Analysis (3 hours)
- CH 385** Advanced Inorganic Chemistry (4 hours)
- CH 400** General Physical Chemistry (5 hours)

### Required supporting courses

- PH 205** College Physics I (5 hour)
- PH 206** College Physics II (5 hour)
- \*NS 300** Research Methods (1 hour)
- NS 375** Junior Seminar (1 hour)
- \*NS 475** Senior Research (2 hours)
- G-MA 111** Calculus I (4 hours)
- MA 112** Calculus II (4 hours)

### Recommended supporting courses

- G-BI 111** College Biology I (4 hours)
- BI 112** College Biology II (4 hours)

## Chemistry Major - Teaching Licensure in Chemistry (6-12)

### Chemistry Major for Teacher Licensure:

*A minimum of 32 hours including:*

- G- CH 111** College Chemistry I (5 hours)
- G- CH 112** College Chemistry II (5 hours)
- CH 251** Organic Chemistry I (5 hours)
- CH 201** Quantitative Analysis (4 hours)
- CH 310** Statistical Data Analysis (4 hours)

- CH 385** Advanced Inorganic (4 hours)
- CH 388** Lab Assisting Internship (2 hours)

Remaining hours must come from CH 252 Organic Chemistry II or CH courses 300 level or above.

### Required Supporting courses:

- G-BI 111** College Biology I (4 hours)
- BI 112** College Biology II (4 hours)
- PH 215** General Physics I (4 hours)
- PH 216** General Physics II (4 hours)
- NS 375** Junior Seminar (1 hours)

### Suggested Courses:

- G-NS 141** Environmental Science (4 hours)
- G-PC 251** Geology (4 hours)
- G-PC 275** Astronomy (4 hours)
- CH 252** Organic Chemistry II (5 hours)
- G-MA 111** Calculus I (4 hours)
- MA 112** Calculus II (4 hours)
- PH 205** College Physics I (replace G-PH 215) (5 hours)
- PH 206** College Physics II (replace G-PH 216) (5 hours)
- \*NS 475** Senior Research (2 hours)

Students pursuing this major must also meet all professional requirements for teacher licensure in the curriculum and instruction department.

## Chemistry Minor

### Requirements

*A minimum of 24 hours including*

- G-CH 111** College Chemistry I (5 hours)
- CH 112** College Chemistry II (5 hours)
- CH 251** Organic Chemistry I (5 hours)
- CH 252** Organic Chemistry II (5 hours)
- CH 201** Quantitative Analysis (4 hours)

## Environmental Stewardship Major

This program achieves its purposes when its graduates:

- demonstrate knowledge of contemporary theories in the natural sciences
- demonstrate skill in the application of laboratory and field experimental techniques
- demonstrate knowledge of contemporary theories of human social systems and behavior
- demonstrate a critical understanding of their personal roles in history, culture, and community
- evaluate the impacts of human society and Earth's natural systems on one another
- differentiate between their personal belief system and societal belief systems
- express a personal environmental ethic

### Required Natural Science Courses:

- G-BI 106** Environmental Biology or
- G-BI 201** Biodiversity (4 hours)
- G-CH 106** Environmental Chemistry (4 hours)
- G-NS 141** Environmental Science (4 hours)
- G-PH 215** General Physics I (4 hours)
- G-PC 251** Geology (4 hours)
- G-NS 245** Climatology (4 hours)
- BI 316** Ecology or (4 hours)
- BI 325** Human Ecology, Epidemiology and Public Health (4 hours)
- BI 334** Microbial Ecophysiology or (5 hours)
- BI 345** Plant Ecophysiology (4 hours)
- NS 404** Environmental Ethics (2 hours)
- BI/EC 416** Ecological Economics (2 hours)
- NS 495** Field Experience (4 hours)

## Electives from Humanities, Social Science, and Technology:

Select at least 24 hours from the following:

- CM 325** Conflict Communication (3 hours)
- EC 202** Survey of Economics (3 hours)
- Up to 2 courses (G-HI or HI200+) (6 hours)
- G-PE 170** Personal/Community Health (2 hours)
- G-PS 125** International Relations (3 hours)
- G-PS 130** Principles of Geography (3 hours)
- G-PS 215** Global Peace Studies (3 hours)
- PY/SO 303** Social Psychology (3-4 hours)
- G-SO 101** Introduction to Sociology (3 hours)
- SO 206** Social Problems (3-4 hours)
- SO 320** Urban Sociology (3 hours)
- \*G-TE 333** Technology and Society (3-4 hours)

*Other courses as approved by both the advisor and co-advisor.*

## Other Course Requirements:

- NS 350** Stewardship Seminar 1/semester (4 required)
- \*NS 300** Research Methods (1 hour)
- NS 375** Junior Seminar (1 hour)
- \*NS 475** Senior Research (2 hours)

## Environmental Science Minor

### Requirements

- G-BI 106** Environmental Biology or
- G-CH106** Environmental Chemistry (4 hours)
- G-NS 141** Environmental Science (4 hours)
- G-PC251** Geology (4 hours)
- G-NS 245** Climatology (4 hours)
- NS 493** Field Experience (4 hours)

## Environmental Stewardship Minor

### Requirements

- G-NS 141** Environmental Science (4 hours)
- G-PC 251** Geology or
- G-PC245** Climatology (4 hours)
- NS495** Field Experience (4 hours)
- NS350** Stewardship Seminar (2 hours)

Electives from Environmental Stewardship Major Electives list 6 hours

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# Natural Science Course Descriptions

## Biology Course Descriptions

### **G-BI 101 Principles of Biology**

*4 hours*

An introduction to the principles of biology, with an emphasis on the biology of humans. This course does not apply toward a major in biology. (Fall)

### **G-BI 106 Environmental Biology**

*4 hours*

A one-semester introduction to the principles of biology, with an emphasis on biological interactions in the environment. This course does not apply



toward a major in biology or biochemistry. Laboratory is included. (Fall, even years)

### **G-BI 111 College Biology I**

*4 hours*

A rigorous introduction to the unity and diversity of life. This course focuses on the contributions of genetics, ecology and evolution to the biodiversity of the planet. The laboratory exercises are designed to provide a variety of practical experiences, as well as to illustrate the principles discussed in lecture. (Fall)

### **BI 112 College Biology II**

*4 hours*

A continuation of G-BI 111 with a rigorous introduction to organismal structure and function. Explores the organization and processes of living systems at the levels of biomolecules, organelles, cells, organ systems, and organisms. Lab work includes studies of enzyme action, cellular respiration, organismal development and anatomy. Prerequisite: G-BI 111 with a grade of C or better. (Spring)

### **G-BI 201 Biodiversity**

*3-4 hours*

A fundamental study of biological diversity as an assessment of life on earth. This will progress from the individual to the community, focusing on biodiversity and ecology from an evolutionary perspective and also on applied environmental research. The course includes laboratory work as an option for the 4th credit hour. (Spring, even years)

### **BI 207 Medical Terminology**

*2 hours*

An introduction to the study of medical terms that brings to life the language of medicine. This course will help students develop an understanding of how to communicate fluently in a healthcare setting. This course will explain medical terms in the context of the anatomy and physiology of different body systems as well as how the body works in health and disease. (Spring, even years)

### **G-BI 210 Principles of Nutrition**

*3 hours*

Physiology and chemistry of digestion, absorption, and metabolism of nutrients; nutrient functions; requirements; and effects of nutrient deficiencies and toxicities. Prerequisites: G-CH 101 or G-CH 111 with a grade of C or better or with consent of instructor (Interterm, odd years)

### **BI 225 Human Anatomy**

*4 hours*

A lecture/laboratory course in the fundamentals of human anatomy, with emphasis on macroscopic structures at the tissue, organ and organ system levels of organization. Some attention will be given to the perspectives of histology and developmental biology. The course includes laboratory work, primarily dissection of a comparative mammal, the domestic cat. (Interterm, even years)

### **BI 234 Microbiology**

*4 hours*

A study of microorganisms, with emphasis on the bacteria. A consideration of their structure, metabolism, classification, identification, and human and ecological relationships. Prerequisites: BI 112, CH 251 with grades of C or better or consent of instructor. (Spring, even years)

### **BI 283 Genetics**

*4 hours*

Basic genetic concepts including classical Mendelian inheritance, cytogenetics, population genetics, and the molecular basis of gene action. Laboratory experiences coordinated with lecture topics. Pre-requisites: BI 112, with a grade of C or better. (Fall)

### **BI 310 Statistical Data Analysis (also cross-listed as CH 310 Statistical Data Analysis)**

*4 hours*

A study of fundamental concepts including data types, distributions, and hypothesis testing; and of the applications of spreadsheets and other software for data manipulation and statistical analysis. Prerequisite: G-MA221 or consent of instructor. (Interterm)

### **BI 315 Human Physiology**

*4 hours*

A rigorous introduction to the fundamentals of human neurophysiology, cardiac-physiology, muscular & circulatory physiology and excretory & respiratory physiology. Laboratory experiences include case studies of human physiological problems. Prerequisite: BI 112, with a grade of C or better. (Fall, even years)

### **BI 316 Ecology**

4 hours

A study of relationships between organisms and their environments, including both physical and biotic environments. The course includes both laboratory and field work. Prerequisites: BI 112 with a grade of C or better. (Spring, every other even year)

### **BI 325 Human Ecology, Epidemiology, and Public Health**

4 hours

A study of the relationships between humans and their environments, including both physical and biotic environments, with special emphasis on understanding the nature of healthy relationships in comparison to the disease state. Prerequisites: BI 112 with a grade of C or better. (Fall, odd years)

### **BI 334 Microbial Ecophysiology**

5 hours

A study of the ecophysiology of microorganisms (with emphasis on Bacteria and Archaea), focusing on the diversity and utility of their metabolic pathways. This course includes both lecture and laboratory work. (Fall, even years)

### **BI 345 Plant Ecophysiology**

4 hours

This course will explore the physiological processes that influence the growth, reproduction, survival, adaptation and evolution of plants. The physiological processes to be explored include water relations, mineral nutrition, solute transport, and energetics (photosynthesis and respiration). The influence of biotic and abiotic factors will be included to provide a context in which to discuss stress physiology and its ecological consequences. (Fall, even years)

### **BI 364 Cell and Molecular Biology**

4 hours

The molecular organization, function and evolution of prokaryotic and eukaryotic cells. Lab work includes chromosome analysis, cellular fractionation, cell culture, and electrophoretic studies. Prerequisites: BI 112, CH 252 with grades of C or better. (Spring, odd years)

### **BI 370 Biochemistry (also cross-listed as CH 370 Biochemistry)**

4 hours

A basic study of the chemistry and metabolism of carbohydrates, lipids, proteins, and nucleic acids. The course provides an understanding of the structural and functional relationships of chemical constituents of cells and the role that they play in the processes of life. Prerequisite: CH 252 or consent of instructor with concurrent enrollment. Laboratory is included (Fall, odd years)

### **BI 373 Cell Physiology (also cross-listed as CH 373 Biochemistry ii)**

4 hours

A rigorous study of the fundamentals of cell physiology, concentrating on intermediary metabolism and its regulation. Lab work includes computational biology and shadowing physicians. Prerequisites: BI 112, CH252 and BI/CH 370 with grades of C or better or consent of instructor. (Spring, even years)

### **BI 384 Molecular Genetics**

4 hours

This upper-level course will extend on topics presented in Genetics (BI283). The course will delve deeper into genetics with a specific focus on the molecular-scale processes responsible for producing our phenotype and their relationships to evolutionary change. The lab component focuses on various current lab techniques used in the field of genetics. (Spring, even years)

### **BI 391 Evolution (also cross-listed as G-PR391)**

4 hours (Language Intensive)

A study of the history, philosophical underpinnings, and implications of Charles Darwin's Theory of Evolution by Natural Selection. Prerequisites: BI 112 with a grade of C or better. (Spring, odd years)

### **BI 393 Topics in Biology**

1-4 hours

One specific topic will be covered each time this course is offered. Possible topics include (but are not limited to) molecular genetics, vertebrate zoology, functional morphology, quantitative biology, and advanced ecology. Prerequisite: BI 112 with a grade of C or better and consent of the instructor.

### **BI 404 Biomedical Ethics**

2 hours

This seminar examines both the factual and ethical dimensions of decisions regarding healthcare. Students will use a case study approach to apply

the ethical principles of autonomy, non-maleficence, beneficence, and justice to diverse situations. Alternative ethical systems and ethics in research are considered. (Spring, even years)

#### **BI 445 Readings and Research in Biology**

*1-4 hours*

Enrichment of a student's study in the discipline either by readings on a topic not covered in the above courses or by research done on or off campus. Prerequisites: 12 semester hours in the department or program with an average of C or better, and consent of the instructor. Open only to students majoring in the department or program.

#### **BI 495 Field Experience in Biology**

*1-4 hours*

A planned experience in one of the field-oriented or professionally related phases of biological science. The specific area and content must be agreed upon in advance by the student, faculty advisor, and Vice President for Academic Affairs. Specific examples that are offered periodically, especially during Interterm are Field Experience in Puerto Rico and observations of various health careers with practicing professionals.

#### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

## **Chemistry Course Descriptions**

#### **G-CH 106 Environmental Chemistry**

*4 hours*

A one-semester introduction to the principles of chemistry, with an emphasis on chemical interactions in the environment. This course does not apply toward a major in biology, biochemistry, or chemistry. Laboratory is included. (Fall, odd years)

#### **G-CH 111 College Chemistry I**

*5 hours*

A study of the principles, laws, and concepts of chemistry as they relate to the periodic table and systematic study of the properties of the elements. A study of modern atomic and molecular structure. Laboratory is included. (Fall)

#### **CH 112 College Chemistry II**

*5 hours*

A continuation of CH 111. Includes study of the chemistry of metals and nonmetals, chemistry of solutions, chemical equilibrium and qualitative analysis. Prerequisite: G-CH 111. Laboratory is included. (Spring)

#### **CH 201 Quantitative Analysis**

*4 hours*

A study of the principles and methods of analytical chemistry by the methods of volumetric and gravimetric analysis, precipitometry, acidimetry and oxidation-reduction titrations. Prerequisite: CH 112, or consent of the instructor. (Fall, even years)

#### **CH 251 Organic Chemistry I**

*5 hours*

A study of the principles of organic chemistry, the physical and chemical properties of carbon compounds with emphasis on the mechanisms of organic reactions, the nomenclature of the compounds, and methods of organic synthesis. The carbon compounds discussed include some of the common alkanes, alkenes, alkynes, cycloalkanes, alkylhalides, ethers and alcohols. Prerequisite: G-CH 111 or consent of instructor. Laboratory is included. (Spring)

#### **CH 252 Organic Chemistry II**

*5 hours*

A continuation of CH 251. Includes study of basic spectroscopy as a basic tool for structural analysis and the chemistry of aromatic compounds, aldehydes, ketones, amines, carboxylic acids and their functional derivatives. Prerequisite: CH 251. Laboratory is included. (Fall)

#### **CH 310 Statistical Data Analysis (also cross-listed as BI 310 Statistical Data Analysis)**

*4 hours*

A study of fundamental concepts including data types, distributions, and hypothesis testing; and of the applications of spreadsheets and other software for data manipulation and statistical analysis. Prerequisite: G-MA221 or consent of instructor. (Interterm)

### **CH 370 Biochemistry (also cross-listed as Bi 370 Biochemistry)**

*4 hours*

A basic study of the chemistry and metabolism of carbohydrates, lipids, proteins and nucleic acids. The course provides an understanding of the structural and functional relationships of chemical constituents of cells and the role that they play in the processes of life. Prerequisite: CH 252 or consent of instructor with concurrent enrollment. Laboratory is included. (Fall, odd years)

### **CH 373 Biochemistry II (also cross-listed as Bi 373 cell Physiology)**

*4 hours*

A rigorous study of the fundamentals of cell physiology, concentrating on intermediary metabolism and its regulation. Lab work includes computational biology and shadowing physicians. Prerequisites: BI 112, CH252 and BI/CH 370 with grades of C or better or consent of instructor. (Spring, even years)

### **CH 385 Advanced Inorganic Chemistry**

*4 hours*

Further study of inorganic chemistry including structure and bonding, coordination chemistry, organometallic chemistry, the chemistry of transition metals and a more detailed systematic study of the families of the periodic table. Prerequisite: CH 112, CH 252. Laboratory is included. (Spring, even years)

### **CH 390 Instrumental Analysis**

*3 hours*

Advanced work in quantitative analysis with emphasis on the principles and methods of electrochemical, spectroscopic and chromatographic analysis. Laboratory is included. Prerequisite: CH 201, PH 206 or PH216, or consent of the instructor. (Spring, odd years)

### **CH 400 General Physical Chemistry**

*5 hours*

A study of the physical-chemical properties of matter. Topics covered include thermodynamics, the kinetic theory of gases, chemical kinetics, quantum mechanics, and statistical mechanics. Prerequisite: CH 252, G-MA 111, PH 206 (or concurrent enrollment). Laboratory is included. (on demand)

### **CH 445 Readings and Research in Chemistry**

*1-4 hours*

Enrichment of a student's study in the discipline either by reading on the topic not covered in the above courses or by research done on or off campus. Prerequisite: 12 semester hours in the department or program with an average of C or better, and consent of instructor. Open only to students majoring in the department or program.

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

## **Natural Science Course Descriptions**

### **G-NS 100 Science in Society**

*3-4 hours (Language Intensive, if taken for 4 hours)*

The goals of this course are to build scientific literacy and to increase awareness of what Science has to offer to individuals and to Society. Classes will include lectures, faculty-led discussions of assigned readings, student-led discussions of "Science in the News" topics, and student presentations of semester projects/term papers. (Spring, odd years)

### **G-NS 141 Environmental Science**

*4 hours*

A study of the environmental issues that arise from the complex relationships between humans and the earth. Emphasis will be placed on a scientific understanding and a search for solutions to environmental problems. Laboratory is included. (Spring)

### **NS 245 Climatology**

*4 hours*

This study of the Earth's climate system will emphasize the physical and biological processes that determine climate: e.g. radiative transfer, atmospheric and oceanic energy transfer, energy balance, the hydrologic cycle, and related geological, biological, and anthropogenic influences;

and will consider their interactive effects on climate change. (Spring, even years)

### **NS 300 Research Methods**

*1 hour (Language Intensive)*

Preparation for participation in an independent laboratory research project in the natural sciences. Topics covered include scientific literature searches, research design, data handling, research evaluation, scientific writing, and reporting. To be taken during the sophomore or junior year. (Fall)

### **NS 350 Stewardship Seminar**

*1 hour*

A weekly discussion of the interrelationships among the current contents of the student's other courses, in light of their relationships to the goals of the Environmental Stewardship major.

### **NS 375 Junior Seminar**

*1 hour*

Preparation for participation in an independent laboratory research project in the natural sciences. Topics covered include literature searches, research design, data handling, research evaluation, scientific writing and reporting, career exploration, and scientific ethics. (Spring)

### **NS 404 Environmental Ethics**

*2 hours*

This seminar examines both the factual and ethical dimensions of our current and possible future environments. Students will use a case study approach to apply different ethical frameworks to choices that arise from human interaction with the natural order. (Spring, odd years)

### **NS 416 Ecological Economics**

*2 hours*

This seminar will provide an historical overview of various schools of ecological and economic thought, and present the principles uniting ecology with economics. Students will use a case study approach to analyze economic policies constrained by ecological reality, including economic growth theory and policy as it pertains to issues of societal and ecological sustainability. (Fall)

### **NS 475 Senior Research**

*2 hours (Language Intensive)*

Experience in the planning, conducting, and reporting of scientific research. The student research works in continual consultation with the research advisor. Selection of the research topic and consent of the advisor must be obtained in advance of enrollment. Prerequisite: NS 375 and consent of research advisor.

### **NS 495 Field experience in the natural Sciences**

*1-4 hours*

A planned experience in a field-oriented aspect of both the biological and physical sciences.

### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

## **Physical Science Course Descriptions**

### **G-PC 251 Geology**

*4 hours*

An introductory course that focuses on the scientific study of the earth. The course emphasizes the study of earth materials, changes in the surface and interior of the earth, and the dynamic forces that cause those changes. (Interterm, odd years)

### **G-PC 275 Astronomy**

*4 hours*

The structure and evolution of the universe, from nearby planets to distant quasars, are examined. Topics include recent discoveries concerning planets, stars, galaxies, pulsars, and black holes as well as their evolution, the structure of the universe today and how it will be in the future. The emphasis is descriptive rather than mathematical. (Interterm, even years)

### **PC 445 Readings and Research in Physical Science**

1-4 hours

Enrichment of a student's study in the discipline either by reading on a topic not covered in the above courses or by research done on or off campus. Prerequisite: 12 semester hours in the department or program and the consent of the instructor. Open only to students majoring in the department or program.

#### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

## **Physics Course Descriptions**

### **PH 205 College Physics I**

5 hours

A first course for chemistry and mathematics majors with a calculus background. Topics covered are mechanics, wave motion, and thermodynamics with emphasis placed on the use of mathematics to formulate problems and to explain physical phenomena. Prerequisite: G-MA 111. Laboratory is included. (Fall, odd years)

### **PH 206 College Physics II**

5 hours

A continuation of PH 205. Topics covered are electricity, magnetism, and optics. Prerequisite: PH 205. Laboratory is included. (Spring, even years)

### **G-PH 215 General Physics I**

4 hours

A first course for premed, biology, and other science majors with a college algebra background. Topics covered are mechanics, wave motion, and thermodynamics with emphasis placed on the understanding of physical concepts to formulate problems and to explain physical phenomena. Prerequisite: MA 105 College Algebra. Lab is included. (Fall)

### **PH 216 General Physics II**

4 hours

A continuation of G-PH 215. Topics covered are electricity, magnetism, and optics. Prerequisite: PH 215. Lab is included. (Spring)

#### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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# **Performing Arts Program**

## **Purpose Statement**

The Department of Performing Arts commits itself to developing – through a professional-based approach supported by academic instruction – our students' knowledge and skills of music and theatre with a multicultural view and interdisciplinary commitment towards artistic creativity, collaboration, ethics, scholarship, professionalism and service.

The department achieves this purpose when its students

- Demonstrate an understanding of performing arts fundamentals, theory and history;
- Demonstrate an understanding of the elements of music;
- Demonstrate an understanding of the components of technical theatre;
- Demonstrate basic performance skills;
- Participate actively in performance and production experiences;
- Demonstrate readiness to enter the professional world of the performing arts through the completion of a senior project; and
- Meet Kansas State Department of Education and National Council for the Accreditation of Teacher Education standards for licensure in the

area of music or theatre (education track only)

## Performing Arts Major

All Performing Arts majors take the following requirements

### Requirements

- ET 101** Creativity and Innovation (3 hours)
- G-PA 110** Introduction to Performing Arts (3 hours)
- PA 140** Music Theory I (3 hours)
- G-PA 160** Performing for the Stage (3 hours)
- G-PA 170** Stagecrafts (3 hours)
- PA 365 A** Conducting (2 hours) *OR*
- PA 365 B** Directing (2 hours)
- G-PA 385** Performing Arts History & Literature I (3 hours)
- G-PA 390** Performing Arts History & Literature II (3 hours)
- PA 375** Junior Seminar (1 hour)
- PA 475** Senior Projects (2 hours)

In addition, students are required to take the following courses based on their chosen track.

### Music

- PA 144** Sight Singing & Ear Training I (1 hour)
- PA 240** Music Theory II (3 hours)
- PA 244** Sight Singing & Ear Training II (1 hour)
- PA 330** Private Lessons (4 hours)
- PA 340** Music Theory III (3 hours)
- PA 344** Sight Singing & Ear Training III (1 hour)
- PA 440** Music Theory IV (3 hours)
- PA 444** Sight Singing & Ear Training IV (1 hour)

Students in this track are required to pass the Piano Proficiency Exam and must enroll in one hour of piano per semester until proficiency is passed. Students in this track are required to enroll in at least one ensemble per semester of residence.

### Theatre

- PA 220** Stage Make-up (2 hours)
- PA 250** Dance I: Ballet and Ballroom (2 hours)
- \*G-PA265** Script Analysis (3 hours)
- PA 350** Dance II: Jazz & Tap (2 hours)
- PA 370** Theatrical Design (3 hours)
- PA 372** Costuming (2 hours)
- PA 400** Theatrical Form and Style (3 hours)
- PA215B** Stage Management Practicum (1 hour)

\* Students in this track are required to enroll for three additional practica and be involved in a majority of productions for the season.

### Musical Theatre

- PA 144** Sight Singing & Ear Training (1 hour)
- PA 220** Stage Make-up (2 hours)
- PA 240** Music Theory II (3 hours)
- PA 244** Sight Singing & Ear Training II (1 hour)
- PA 250** Dance I: Ballet and Ballroom (2 hours)
- PA 330** Private Lessons (2 hours)

\*Students in this track are required to enroll in 1 ensemble per year and be involved in a majority of productions for the theatre season.

Students may choose to add a Music or Theatre Teaching Licensure by completing all the requirements of the Teacher Education Program as well as the following:

### Music Teaching Licensure

- Guitar Proficiency Exam or 1 hr guitar (0-1 hour)
- Piano Proficiency Exam (0 hour)
- Performance Arts History & Literature courses (4 hours each Plus Teacher Education Program Requirements)

**PA 275** Instrumental Techniques Lab (2 hours)

**PA 465** Advanced Conducting and Rehearsal Techniques (2 hours)

## Theatre Teaching Licensure

**G-CM 120** Intro to Human Communication (3 hours)

**G-CM 130** Interpersonal Communication (3 hours)

**G-CM 140** Public Speaking (3 hours)

**PA 370** Theatrical Design (3 hours)

**PA 372** Costuming (3 hours)

**\*G-PA265** Script Analysis (3 hours)

Plus Teacher Education Program Requirements

## Performing Arts Minor

**G-PA 110** Introduction to Performing Arts (3 hours)

**PA 140** Music Theory I (3 hours)

**G-PA 160** Performing for the Stage (3 hours)

**G-PA 170** Stagecrafts (3 hours)

One History of Performing Arts Course (3 hours)

Department electives (7 hours)

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# Performing Arts Course Descriptions

## **G-PA 110 Introduction to Performing Arts**

*3 hours*

An introduction to the various aspects of performing arts, this course is designed for both the major and non-major. Students discover the art of collaboration as the element binding all productions together. Major sections covered include structure, setting, style, genre, and audience analysis. Students will attend area productions to observe the various levels of presentation, i.e. educational, professional, community, etc.

## **PA 115 Performance & Production Lab**

*1 hour (Can be repeated), by consent of Instructor*

These practica are designed to give students a hands-on approach to learning and experiencing the various areas of performing arts. Each practica will be supervised by a member of the departmental faculty and the student will need to complete a journal or portfolio of the work accomplished.

### A. Acting

The student will be given credit for rehearsing and performing in a departmental production.

### B. Set Construction

The student will assume the position of master carpenter/crew head for the construction of a departmental production. Student could assist the designer in drafting, supervise the scene shop during the construction period, and be a member of the production staff, attending appropriate meetings in the pre- production aspects of the show.

### C. Properties

The student will accept the responsibilities of prop master for a departmental production. This may include some property design. The student will be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

### D. Sound

The student will be responsible for securing all sound effects, underscoring, and setting up all amplification for a departmental production. Student will also run sound for the production and be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

## **G-PA 120 Music Appreciation**

*3 hours*

This course is designed to introduce students to the elements, vocabulary, history, and development of music in Western civilization. Students will be introduced to major style traits, composers, significant compositions, and genres representing the fine arts thereby gaining greater awareness of how being human is experienced and expressed through the creative process. Music Appreciation assumes a holistic approach and affords students the unique opportunity to study connections between the arts. This course meets The Arts requirement of the Humanities general education



distribution requirement.

### **G-PA 125 Film & Culture**

*3 hours*

This course is designed to give students analytical tools to study film and the cinema. Students will study narrative styles, genres, history, theory, and film analysis. Students will also learn to analyze the philosophy behind the content and how it applies to modern culture. This course fills the general education requirement for Philosophy & Religion.

### **G-PA 132 College Choir**

*0-1 hour*

Open to all students. Students will develop a knowledge of and appreciation for artistic creativity through singing some of the great choral repertoire of the past and present, experiencing the pleasure of singing in a quality ensemble, and developing the singer's vocal ability. The choir performs on major concerts fall and spring terms and tours during spring term to churches and schools. Prerequisite: entrance interview and informal audition. College Choir meets The Arts requirement of the Humanities general education distribution requirement when taken for credit.

### **G-PA 134 College Band**

*0-1 hour*

This course is designed to provide students with the opportunity to musically express themselves through the study and performance of band literature. It is open to all students with appropriate experience, regardless of major. The band and any ensembles developed from it will perform a variety of wind, band and jazz literature. College Band meets The Arts requirement of the Humanities general education distribution requirement when taken for credit. Prerequisite: Entrance interview and informal audition with the band director.

### **PA 136 Performing Arts Tour**

*3 hours, by consent of instructor*

Travel, lecture, and performance tour of a region of the U.S. or foreign country. Study involves the functions of performing art and its interaction with culture, emotion, language, dance, art, sculpture and architecture.

### **PA 140 Music Theory I**

*3 hours*

This is a foundational course in harmonic concepts and their application in reading, studying and performing music. Students will learn the fundamentals of music including musical notation, major and minor scales, key and time signatures, intervals, triads, and seventh chords. This course is a core requirement for students seeking music licensure and for those pursuing the performing arts music, theatre and musical theatre tracks. Co-requisite: PA 144, Sight Singing and Ear Training I.

### **PA 150 Yoga**

*1 hour (Can be repeated)*

Basic hour and introductory class for students. Students will utilize their own body-instrument and increase flexibility while strengthening their muscle core and breath capacity.

### **G-PA 160 Performing for the Stage**

*3 hours*

Students develop confidence and leadership skills as they pertain to aural performance. Students will practice and perform basic ideas through theatre monologues, poems, song lyrics or prose. Diction, enunciation, dialect, and a basic introduction to the International Phonetic Alphabet will be covered as well as charisma, charm, professionalism and marketability.

### **G-PA 170 Stagecrafts**

*3 hours*

The study of a wide variety of "craft/skills" used when preparing a script for performance. The student work will focus on basic set construction practices and scene painting techniques. Other areas covered include the hanging and focusing of lighting instruments, basic costume stitching, the creation of sound effects and the creation of stage properties. The student will work on productions to be staged by the department during the current season.

### **PA 215 Performance & Production Lab**

*1 hour (Can be repeated), by consent of Instructor*

These practica are designed to give students a hands-on approach to learning and experiencing the various areas of performing arts. Each practica will be supervised by a member of the departmental faculty and the student will need to complete a journal or portfolio of the work accomplished.

#### **A. Box Office/Publicity/House Management**

Student will take charge of the front of house responsibilities for a departmental production. This includes press releases, First Nighters information,

lobby displays, program copy, securing ushers and coordinating with dinner staff. The student will be a member of the production staff, attending appropriate meetings in the pre- production aspects of the show.

#### B. Stage Management

Production experience in the professional duties of stage manager, including participation as stage manager in pre-production, rehearsal, and performance phases of a production. The student will be a senior member of the production staff, attending meetings in the pre-production aspects of the show.

#### C. Dinner Theatre

The student will work with the director of First Nighters in establishing a menu, creating shopping lists, organization of the kitchen, supervising workers, creating décor for dining space and overseeing clean up of the kitchen and dining space. The student will be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

#### D. Event Planning

The student will work with building supervisors and organization leaders to plan and execute events in the Brown, Friendship, and Mingenback complex. The student will be responsible for coordinating the events and planning the set-ups and tear-downs.

### **PA 220 Stage Make-Up**

*2 hours*

Practical application of various types and styles of professional and theatrical make-up from day-to-day use through specialty applications with some time spent on special effects. Student fee for make-up kit.

### **PA 232 Vocal Ensemble**

*0-1 hour (Can be repeated)*

Vocal ensemble is a select performance group formed by audition from members of the McPherson College Choir. It is designed to give students opportunity to sing and perform some of the great vocal chamber literature in a variety of settings. Prerequisite: simultaneous enrollment in college choir and consent of instructor.

### **PA 234 Instrumental Ensemble**

*0-1 hour (Can be repeated)*

This course consists of select trios, quartets, quintets, jazz combos, and other like-instrument ensembles organized by audition according to interest and available students.

### **PA 240 Music Theory II**

*3 hours*

This course offers a foundation in analyzing and writing music that will benefit any musical endeavor and is essential for a music educator. Students will be introduced to structural elements of writing music including four-part voice writing using triads in root position, harmonic progressions and harmonic rhythm, and part writing using triads in first and second inversion. This course is designed for students seeking music licensure and for those pursuing the performing arts music and musical theatre tracks. Prerequisite: Successful completion of PA 140, Music Theory I. Co-requisite: PA 244, Sight Singing and Ear Training II.

### **PA 244 Sight Singing and Ear Training II**

*1 hour*

A continuation of PA 144, Sight Singing and Ear Training I. Prerequisite: Successful completion of PA 144 Sight Singing and Ear Training I. Co-requisite: PA 240, Music Theory II.

### **PA 250 Dance I: Ballet & Ballroom**

*2 hours*

Dance course covering basic vocabulary and technique for Ballet, Waltz, Cha Cha, Tango, Merengue, Jive, Foxtrot and Quickstep.

### **G-PA 265 Script Analysis**

*3 hours (Language Intensive)*

This course will explore the structure of dramatic works. Emphasis will be placed on the process of interpreting a text and translating it to the performing arts. Students will strengthen skills in reading, listening, writing, script and other character interpretation as they develop an appreciation of dramatic literature and the author's art and craft.

### **PA 274 Instrumental Techniques Lab**

*1 hour (Can be repeated) By consent of Instructor*

This course provides students with hands-on experience in playing and teaching band instruments at the public school level with emphasis on a functional knowledge of teaching materials, fingerings, acoustics, tone production, rudiments, and care of the instruments. This course is designed

for students seeking music licensure. Prerequisite: Concurrent enrollment in Methods for Teaching Instrumental Music in the Secondary School and permission of the Instructor.

### **PA 315 Performance & Production Lab**

*2 hour*

These practica are designed to give students a hands-on approach to learning and experiencing the various areas of performing arts. Each practica will be supervised by a member of the departmental faculty and the student will need to complete a journal or portfolio of the work accomplished.

#### **A. Design**

The student will serve as either scenic or costume designer for a departmental production. The student will work with the director from the early stages of the pre- production meetings, present the designs at the first production meeting and will be a member of the production staff, attending appropriate meetings in the pre- production aspects of the show.

#### **B. Costuming**

Student will assume the responsibilities of the costume shop supervisor for a departmental show. This will include assisting the designer in shopping for fabric, patterning, cutting and supervising crew members in the construction of the garments. The student will be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

#### **C. Make-up**

Student will be responsible for designing and realizing the make-up designs for a departmental production. The student will be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

#### **D. Lighting**

The student will act as lighting designer for a departmental production. This will also include the supervision of hanging the design and running lights for the production. The student will be a member of the production staff, attending appropriate meetings in the pre-production aspects of the show.

### **PA 330 Private Lesson**

*1 hour (Can be repeated), by consent of Instructor*

These lessons offer an intensive learning experience through a one-to-one setting. Students will develop their musicianship and technical ability through the preparation, interpretation and performance of representative works of the past and the present.

#### **A. Voice**

Students will develop their ability to access musical and literary resources for vocal music; their understanding of appropriate vocal pedagogy; their ability to identify, through visual and aural analysis, composers and music representing diverse styles, periods, cultures, genres, and techniques of musical organization; and their ability to evaluate musical performances. Enrollment in this course is limited to students pursuing vocal music licensure and those choosing the music and musical theatre tracks of the performing arts major.

#### **B. Piano**

Students will have the opportunity for musical growth both in performance of piano literature and in knowledge of the interrelationships between performance, history, and theory. Enrollment in this course is limited to students pursuing the performing arts music track and music licensure options.

#### **C. Guitar**

Students will 1) address personal levels of skill and technique as appropriate for guitar; 2) become aware of professional recordings and performances on the instrument; 3) study appropriate literature for the instrument. Open to all students.

#### **D. Brass, Woodwind or Percussion**

Students will 1) address personal levels of skill and technique (posture, breathing, tonal concept, resonance, embouchure, range, vibrato, melodic interpretation, poise, performing etiquette, melody, phrasing, style, harmony, rhythms, intonation, articulations, alternate fingerings, and memory) as appropriate for each instrument studied; 2) become aware of professional recordings and performances on the instrument; 3) study appropriate literature for the instrument.

#### **E. Organ**

Students will have the opportunity for musical growth both in performance of organ literature and in knowledge of the interrelationships between performance, history, and theory.

### **PA 340 Music Theory III**

*3 hours*

This course is a continuation of Music Theory II. Students will be introduced to cadences, phrases, periods and sentences, non-chord tones, and diatonic seventh chords as they explore the structural elements of writing music at a more advanced level. This course is designed for students seeking music licensure and for those pursuing the performing arts music track. Prerequisite: Successful completion of PA 240 Music Theory II. Co-requisite: PA 344, Sight Singing and Ear Training III.

### **PA 344 Sight Singing and Ear Training III**

*1 hour*

A study including sight singing, rhythmic performance, keyboard and improvisation exercises, dictation (melodic, harmonic, rhythmic), and related skills, all designed to develop the student's musical ear to the highest degree possible. Prerequisite: Successful completion of PA 244, Sight Singing and Ear Training II. Co-requisite: PA 340, Music Theory III..

### **PA 350 Dance II: Jazz & Tap**

*2 hours*

The student will be exposed to Basic Tap, Charleston, Jitterbug, Swing Dancing, Hip-Hop, Step Dancing and Stomp.

### **PA 365A Conducting**

*2 hours*

A study of the fundamental gesture, technique, and score preparation. Additional focus is given to oral communication and writing related to the art of conducting and self-evaluation. Pre-requisites: PA 340 or Instructor Approval.

### **PA 365B Directing**

*2 hours*

Need course description.

### **PA 370 Theatrical Design**

*3 hours*

Students will study the basic concepts for design as it applies to scenery, costumes, lighting, and sound. Students will be working as a team of designers, moving from area to area but also allowing for concentration in at least one of the above areas of the theatrical design. Students will focus on designs for the department's season of concerts, plays, musicals, senior recitals or musical reviews.

### **PA 372 Costuming**

*2 hours*

Theatrical costumes and their construction will be the focus of this course. Students may have the opportunity to do some design work. Students will work on various construction techniques, learn how to measure the actor's body, draft and alter patterns, shop for fabric and build various costume pieces, i.e. bodice/jackets, sleeves, skirts, slacks and undergarments. Labs will consist of working on departmental productions as well as the creation of teaching tools.

### **PA 375 Junior Seminar**

*1 hour*

Students at the Junior level will meet bi-monthly throughout their Junior year in a seminar setting and will:

- clarify and focus their major goals - academic and vocational
- formulate their Senior project proposal
- further develop their career resumes and/or portfolios
- discuss internships

### **G-PA 385 Performing Arts History and Literature I**

*3-4 hours (Language Intensive)*

This course will allow students to study music and theatre in relationship, thereby gaining greater awareness of how being human is experienced and expressed through the creative process. This course assumes a holistic approach and affords students the unique opportunity to study connections between the performing arts. Students will be introduced to selected major characteristics and issues in American, Western European, ethnic, and world music and theatre from Greek to the mid-19th century. Students seeking licensure in music will enroll in the additional credit hour to prepare for the praxis.

### **G-PA 390 Performing Arts History and Literature II**

*3-4 hours (Language Intensive)*

Part two is a continued study of the music and theatre relationship. This course surveys the performing arts in the last 200 years highlighting the most important changes and challenges to the field in that time. Students pursuing licensure in music will enroll in the additional credit to prepare for the praxis.

### **PA 400 Theatrical Form and Style**

*3 hours*

An examination of the major historic period styles in acting, design, and directing. Students will read plays that will work with the various techniques discussed in class.

### **PA 410 Special Topics in Performing Arts**

*2 hours*

This course is designed to give students the opportunity to experience a variety of topics in the Performing Arts that could be linked to the production calendar or topics that are not covered in the regular series of courses. Examples might include a seminar covering a specific playwright to be produced, an acting style being used in the staging of a production, or rendering skills needed to prepare a portfolio.

### **PA 415 Performance & Production Lab**

*1 hour (Can be repeated), by consent of Instructor*

These practica are designed to give students a hands-on approach to learning and experiencing the various areas of performing arts. Each practica will be supervised by a member of the departmental faculty and the student will need to complete a journal of the work accomplished.

#### A. Musical Theatre

The student will be given credit for rehearsing and performing in a departmental production of a musical or musical revue.

#### B. Directing

Student will take responsibility for directing a show not connected to another class. Student will be in charge of all aspects from budget through supervision and selection of cast and crews.

#### C. Choreography

Student will receive credit for planning, teaching and rehearsing the movement for a performance. Student will be in charge of integrating the blocking with the movement and support the piece as part of the directing team.

#### D. Technical Direction

Student will take responsibility for directing the technical aspects of a show not connected to another class. Student will be in charge of all aspects from budget through supervision of crews and designs.

### **PA 440 Music Theory IV**

*3 hours*

This course is a continuation of Music Theory III. In this upper-level course, students will be introduced to advanced chromaticism, secondary functions, modulations, and larger musical forms from major historic periods in music. Students will also explore materials and techniques used in Twentieth-Century Music. This course is designed for students seeking music licensure and for those pursuing the performing arts track. Prerequisite: Successful completion of PA 340, Music Theory III. Co-requisite: PA 444, Sight Singing and Ear Training IV.

### **PA 444 Sight Singing and Ear Training IV**

*1 hour*

A continuation of PA 344, Sight Singing and Ear Training III. Prerequisite: Successful completion of PA 344, Sight Singing and Ear Training III. Co-requisite: PA 440 Music Theory IV.

### **PA 453/CI 453 Methods for Teaching Vocal Music in the Secondary School**

*3 hours*

Students learn choral literature, pedagogy, rehearsal techniques, rehearsal planning, music literacy strategies, assessment and grading, rehearsal management, and administration of a middle and high school choral program. This course is designed for students seeking music licensure. Prerequisite: Permission of the Instructor

### **PA 454/CI 454 Methods for Teaching Instrumental Music in the Secondary School**

*3 hours*

This course provides an overview of and practical applications in the basic technical aspects of organizing, administrating, teaching, and conducting instrumental ensembles at the public school level. This course is designed for students seeking music licensure. Prerequisite: Concurrent enrollment in Instrumental Techniques Lab and permission of the instructor.

### **PA 465 Advanced Conducting and Rehearsal Techniques**

*2 hours*

This course provides students an in-depth study of band or choral teaching methods and advanced study and practice in band or choral conducting. Topics will include conducting and rehearsal techniques, score study and repertoire. This course is designed for students seeking music licensure. Prerequisite: Successful completion of PA 365 Conducting.

### **PA 475 Senior Project**

*2 hours*

Each performing arts major is required to complete this capstone experience. Four of the more popular projects are listed but each student is allowed to create a project to match his/her interests and expertise in theatre. Students seeking licensure in music or speech/theatre may use

student teaching as their senior project.

#### Recital Project

The student will complete an intensive preparation of skills and research in conjunction with a performance. Research could include Western European, Musical Theatre and American classic. Prerequisite, Private lessons.

#### Directing Project

Intensive development of directing skills and process, including text analysis and exploration of craft fundamentals as a basis for director/actor /designer collaboration and effective staging, with particular emphasis on challenges of style in text and production. Examination of process of conceptualization in dramatic production; centrality of theatric conceptualization in interpretation of dramatic text. Students direct a full-length play under observation, with discussion and critique of work in progress with faculty advisor. Prerequisite, PA365, Directing and Conducting.

Acting Project. Student will be involved in the selection of the role in one of the department's production for a culminating acting experience. Student will be involved with the director in examining the script, creating the approach to the show, and setting goals for the production. An intensive rehearsal process as the student prepares the role in collaboration with the entire production team and cast. Prerequisite, G-PA160, Performing for the Stage.

#### Design Project

Complete responsibility for the design of one of the following elements for a departmental production, depending on the student's primary area of interest: sets, costumes, lighting, makeup, or sound. Student will be working in collaboration with the director and other designers assigned to the production. Prerequisite, PA370, Theatrical Design.

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## Philosophy & Religion Program

### Purpose Statement

The Department of Philosophy/Religion achieves its purpose when its students

- appreciate the biblical literature, both Hebrew and Christian Bibles;
- are acquainted with the rich and exotic traditions of the major world religions, both East and West;
- understand the art of philosophizing and theologizing, meaning both analysis and synthesis;
- have achieved heightened self-consciousness through examining ethical issues from a variety of positions;
- have embarked on a personal odyssey in search of the meaning of life.

The philosophy/religion department offers courses designed to help the student study and reflect upon the major religious traditions and philosophical questions that have contributed to the making of our present world. Philosophy/religion offers an excellent liberal arts major since it involves a broad survey of Western and Eastern cultural heritages and develops analytical skills characteristic of a truly educated person. In addition and more particularly, a philosophy/religion major is excellent preparation for the student interested in the church — whether in the professional ministry or as a lay person.

The department offers a four-year degree with a major or minor in philosophy/ religion.

### Philosophy/Religion Major

#### Requirements

A minimum of 32 semester hours in philosophy and religion. Since no specific courses are required, students may select from the course offerings shown below, courses at other ACCK colleges, off-campus experiences, and independent study.

#### Required supporting courses

A minimum of 12 hours of related courses selected in accord with the student's special interests and approved by the advisor.

### Philosophy/Religion Minor

#### Requirements

A minimum of 18 hours in philosophy and religion courses. Since no specific courses are required, students may select from the course offerings as listed in the catalog, courses at other ACCK colleges, off-campus experiences, and independent study.

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# Philosophy & Religion Course Descriptions

## **G-PR 101 Introduction to Hebrew Bible**

*4 hours*

A survey of the history, literature and religion of ancient Israel, using selected portions of the Hebrew Bible as primary sources. The course introduces students to the methods and results of modern critical scholarship and encourages the development of biblical study skills by the student. (Fall)

## **G-PR 102 Introduction to New Testament**

*3-4 hours (Language Intensive)*

A survey of the history, literature, and religious thought of early Christianity, using the Christian Bible as a primary source. The course introduces students to the methods and results of modern critical scholarship and encourages the development of biblical study skills by the student. (Spring)

## **G-PR 104 Ethics**

*3-4 hours (Language Intensive)*

Intended to enable the student to think critically about the moral aspects of human behavior. Traditional ethical systems as well as contemporary solutions to personal and societal problems will be examined. Particular attention will be focused on Christian ethics and the modern environment within which we make our moral decisions. (Fall)

## **G-PR 201 Introduction to Philosophy**

*4 hours*

An introduction to the nature of philosophical thinking and to the history of Western thought. Students will be encouraged to develop their own personal philosophies of life. (Fall, Spring)

## **G-PR 202 History of Christianity**

*3-4 hours*

A systematic summary of basic themes of the Christian faith and a brief survey of the history of the church, the development of theology, ethics, and sectarian movements. (Fall)

## **G-PR 203 Science and Religion**

*3 hours*

Science and religion are typically perceived to be in conflict with each other, especially about the origin and history of the universe and of life on Earth, as well as about the meaning of our place in the cosmos. This course critically evaluates that claim and considers how the two can both contribute to our understanding of all that exists.

## **G-PS 215 Global Peace Studies**

*3 hours*

An analysis of the problem of international conflict. This course studies the economic, political, and ideological causes of international violence, and the mechanisms used to mediate and resolve conflicts. Prerequisite: G-EN 110 and G-EN 111 or recommendation of the instructor. (Spring, odd years)

## **PR 303 Readings in Theology/Philosophy**

*2-4 hours*

In recent years, this course has been designed around the topic of thanatology: examining origin of death cultural mythologies, psychological stages of dying, interpretations of near death experiences, organ-tissue donations, world funeral practices, and beliefs of life after death in the world's major faiths. (Spring)

## **PR 304 Brethren History and Thought**

*2 hours*

A study of the origin and history of the Church of the Brethren including a treatment of traditional beliefs and practices and the major contemporary issues confronting the church. (Selected years)

## **PY/SO 308 Counseling**

*3 hours*

A study of the theory and practice of counseling, including a survey of the various systems of psychotherapy (person-centered therapy, psychoanalysis, behavioral therapy, cognitive-behavioral therapy, etc.) and learning, through role-play, of skills needed to be a helper.

## **HI 311 Ancient Mediterranean World**

*3 hours*

A study of political, social, and cultural development of the ancient Greeks and Romans and their contributions to western civilization. (Spring odd years)

#### **G-PR 401 World Religions**

*4 hours*

A critical survey of the major religions of the world such as Hinduism, Buddhism, Taoism, Confucianism, Zoroastrianism, Islam, Judaism, Christianity, and others in an attempt to understand the distinctive character of each and their possible contributions to our own thought. (Spring)

#### **PY 405 Personality Theories**

*3 hours*

Personality is the field within psychology that specializes in how individuals think, feel, and behave, with an emphasis on the person as a whole. The course covers the five basic approaches to personality: the trait approach, the biological approach, the psychoanalytic approach, the phenomenological approach, and the behaviorist/learning theory/cognitive approach. Junior or senior standing or permission of the instructor required.

#### **PR 375 Junior Seminar**

*1 hour*

Religion/philosophy majors during their junior year are required to either research a professional vocation related to the discipline or research the various historical trends in Christian theology.

#### **PR 475 Senior Research Project**

*2-4 hours*

Religion majors during the senior year are required to do a research project, with the topic approved by the department.

#### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings & Research (1-4 hours)

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## **Psychology Program**

### **Purpose Statement**

The psychology program commits itself to developing majors with pre- professional training and non-majors with basic knowledge of and skills in psychology. The program achieves this purpose when its students:

- understand themselves, others, and how individuals interact within social systems
- have acquired knowledge and skills requisite for entry into selected professions, especially pre-professional careers in the behavioral sciences
- have acquired knowledge and skills requisite for entry into graduate programs in psychology and related fields
- have bridged the gap between theory and practice through Internships
- meet State Department of Education standards for certification in the area of psychology (applies to candidates for teacher certification in psychology)

In addition to preparing its majors, psychology contributes to the general education program and serves other majors.

Teaching licensure is available in this area. Students who wish to double major in psychology and sociology need have only one emphasis.

### **Psychology Major**

#### **Requirements**

**G-PY 101** Introduction to Psychology (3 hours)

**PY 204** Child and Adolescent Development (3-4 hours)



**PY/SO 335** Research Methods I (4 hours)  
**PY/SO 303** Social Psychology (3 hours)  
**PY 305** Abnormal Psychology (3-4 hours)  
**PY 415** Learning, Memory, and Cognition (3 hours)  
**PY 336** Research Methods II (4 hours)  
**PY/SO 375** Junior Seminar (1 hour)  
**PY 405** Personality Theories (3 hours)  
**PY/SO 308** Counseling (3 hours)  
**\*PY 450** History and Systems of Psychology (3 hours)  
**PY/SO 474** Scientific Writing for the Behavioral Sciences (2 hours)

#### *Sciences*

**\*PY/SO 475** Senior Seminar/Thesis (2 hours)  
**G-MA 221** Elementary Applied Statistics (4 hours)

Psychology majors seeking 6-12 teaching licensure may substitute Student Teaching in the Secondary School (CI 475) for Senior Seminar/Thesis (PY 475).

#### *Child Development Emphasis*

**PY 254** Parent-Child Relations (3 hours)  
**PY 354** Child Development and Social Policy (3 hours)  
**PY 454** Applied Behavior Analysis and Youth (3 hours)  
**PY 470** Developmental Psychopathology (3 hours)

#### *Health and Human Services Emphasis*

**SO 260** Introduction to Human Services (3 hours)  
**SO 365** Social Work in American Society (3 hours)  
**PY 430** Health Psychology (3 hours)  
**SO 470** Social Gerontology (3 hours)

Students seeking special education licensure may use the Adaptive Special education program as their required emphasis.

### **Recommended courses for Students interested in Human Services careers**

**PY/SO 210** Human Sexuality (3 hours)  
**G-SO 101** Introduction to Sociology (3 hours)  
**G-SO 202** Minorities in the U.S. (3-4 hours)  
**SO 206** Social Problems (3-4 hours)  
**G-SO 246** Marriage and Family (3-4 hours)

As much practical experience in human service placements as possible

## **Psychology Minor**

### **Requirements**

**G-PY 101** Introduction to Psychology (3 hours)  
**PY 204** Child and Adolescent Development (3-4 hours)  
**PY/SO 303** Social Psychology (3 hours)  
**PY 305** Abnormal Psychology (3-4 hours)

Electives to total 18 hours

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# **Psychology Course Descriptions**

## **G-PY 101 Introduction to Psychology**

*3 hours*

A survey of psychology emphasizing applications to the life of the student. Assumptions of psychological scientists are examined and scientific methods of investigating and reasoning about human behavior are introduced. (Fall, Spring)

#### **PY 204 Child and Adolescent Development**

*3-4 hours*

A basic course dealing with the various processes of child and adolescent development. The overarching goal or mission of the course is to present the basic knowledge of child development in an applied context in which the established knowledge base of child psychology is used to suggest solutions to social problems of children in this society and in the world community. Prerequisite: G-PY 101 Introduction to Psychology. (Spring)

#### **PY/SO/PE 210 Human Sexuality**

*3 hours*

A study of female roles, male roles, values, life adjustments, sexual identities, religion, language, and behavior differences based on cultural, educational and socioeconomic factors related to human sexuality. Course uses lectures, audio- visuals, discussions, guest resource persons, assigned readings, and projects or papers to present information. Prerequisite: sophomore standing or higher or instructor consent. (Spring)

#### **PY 254 Parent-Child Relations**

*3 hours*

A study of parenting across the lifespan. Topics include parenting styles, parenting strategies, and parenting in different family systems. (Spring)

#### **PY 295 Field Experience in Psychology**

*1-4 hours*

Various types of placements are available for practical experience relevant to the psychology major. Examples: institutions for people with developmental disabilities, adolescent group-homes, the Big Brother/Big Sister program, and others.

#### **PY/SO 303 Social Psychology**

*3 hours*

A study of the individual as he/she is affected by other persons. Topics covered include: interpersonal relations, social learning, conformity and individuality, attitudes, groups and organizations, and others. Discussion and involvement methods are emphasized. Prerequisite: 6 hours in the behavioral sciences or instructor consent. (Spring)

#### **PY 305 Abnormal Psychology**

*3-4 hours*

A study of behaviors variously classified as abnormal, psychopathic, sociopathic, disordered, mentally ill, retarded, neurotic, psychotic, deviant and others. Prerequisite: 6 hours in psychology and junior standing. (Fall, odd years)

#### **PY/SO 308 Counseling**

*3 hours*

A study of the theory and practice of counseling including a survey of the various systems of psychotherapy (person-centered therapy, psychoanalysis, behavioral therapy, cognitive-behavioral therapy, etc.) and learning, through role- play, of skills needed to be a helper. Prerequisite: PY 405 or instructor consent. (Spring)

#### **PY/SO 335 Research Methods I**

*4 hours*

The basic research methods course for behavioral science majors. Correlational, survey, and case study techniques, basic experimental design, research ethics, and general professional conduct of empirical investigation are studied in a team- taught format. Lecture, laboratory, and practical field exercises are used as learning methods. Prerequisite: G-MA221. Concurrent enrollment is acceptable. (Fall)

#### **PY/SO/PE 336 Research Methods II**

*4 hours*

The second of the two basic research methods courses for behavioral science majors. Relatively advanced scientific research designs and statistical analyses are studied. SPSS, a statistical package, is used for most of the work in the course. Prerequisites: G-MA 221 and PY/SO 335. (Interterm)

#### **PY 354 Child Development and Social Policy**

*3 hours*

A study of the relation between children and government. The course considers the interrelations between social policy and research findings from the field of child and adolescent psychology. ( Interterm)

#### **PY/SO 375 Junior Seminar**

*1 hour*

Several topics and issues are examined in a seminar format. These include ethical practices and concerns as they relate to research and clinical work, the development and execution of basic and applied research, and career development and related matters. Students work toward developing appropriate research topics for their senior theses and may explore internship opportunities. (Spring)

#### **PY 405 Personality Theories**

*3 hours*

Personality is the field within psychology that specializes in how individuals think, feel, and behave with an emphasis on the person as a whole. The course covers the five basic approaches to personality: the trait approach, the biological approach, the psychoanalytic approach, the phenomenological approach, and the behaviorist/learning theory/cognitive approach. Junior or Senior standing or permission of the instructor required. (Fall)

#### **PY 415 Learning, Memory, Cognition**

*3 hours*

An advanced survey course dealing specifically with current research findings in the areas of behavioral and cognitive psychology. The course will focus on what psychological science has discovered about human learning, memory, and forgetting. Prerequisite: G-PY 101, PY 303, PY/SO 335 or instructor consent. (Spring, odd years)

#### **PY 430 Health Psychology**

*3 hours*

A study of the fundamentals of human psychological and biomedical factors in the areas of health, wellness, and physical/mental illness. The course presents clinical applications of personality and social psychological theories, as they relate to cultural beliefs, human development, and different diseases; introduces key determinants of behavior, such as personality, family, ethnicity, and religion; and explores behavioral/motivational research in the emerging field of alternative and complementary medicine. Health care prevention, intervention, and maintenance issues and strategies are presented within the context of the community health support system. Career opportunities in health psychology are also explored. (Fall, odd years)

#### **PY 445 Readings and Research in Psychology**

*1-4 hours*

An opportunity to take a course by readings that is not offered in the regular curriculum. Prerequisite: consent of the instructor. (By appointment)

#### **PY 450 History and Systems of Psychology**

*3 hours (Language Intensive)*

A study of psychology's origins, development as a field, and current status, examined in a seminar format. Prerequisite: Upper division majors/minors only or instructor consent. (Spring, even years)

#### **PY 454 Applied Behavior Analysis and Youth**

*3 hours*

A study of the field of applied behavior analysis and its use in solving the behavior problems of children and adolescents. The course explores fundamental issues related to behavior change, including assessment, measurement, and ethics. (Fall, even years)

#### **PY 470 Developmental Psychopathology**

*3 hours*

A study of psychopathology as it relates to children and adolescents. The course explores the causes of and treatments for various psychological disorders and considers issues related to assessment and diagnosis. (Spring)

#### **PY/SO 474 Scientific Writing for the Behavioral Sciences**

*2 hours*

This course is intended to help students develop the skills needed for writing research reports in the social sciences. It is a research-based course in which students learn to synthesize what they have read and presenting it as a scientific review of the literature; these are the primary goals. Thus, it focuses on how to apply social science theories and research methods to the writing of the senior research proposal. This course also provides students with the opportunity to prepare papers for regional conferences in psychology and sociology. (Fall)

#### **PY/SO 475 Senior Seminar/Thesis**

*2 hours (Language Intensive)*

This is the culminating or capstone course for behavioral science majors. Coordinated guidance is given on the preparation of the Senior Thesis. Discussion of current topics in sociology and psychology is combined with guidance on practical matters such as application to graduate study, developing a career, and so on. (Spring)

## **PY 495 Field Experience in Psychology**

1-4 hours

More advanced placements and arrangements in applied psychology. See PY 295. NOTE: PY 495 requires permission of the instructor before enrollment.

### **Individualized Courses Available**

**PY 295/495** Field Experience (1-4 hours)

**PY 299/499** Independent Study (1-4 hours)

**PY 388** Career Connections (1-12 hours)

**PY 445** Readings and Research (1-4 hours)

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# **Sociology Program**

## **Purpose Statement**

The sociology program commits itself to developing majors with pre-professional training and non-majors with basic knowledge of and skills in sociology. The program achieves its purpose when its students:

- understand the dynamic relation between the individual and society
- have acquired knowledge and skills requisite for entry into selected professions, especially pre-professional careers in the behavioral sciences
- have acquired knowledge and skills requisite for entry into graduate programs in sociology and related fields
- can critically analyze their society through exposure to sociological theories and research methods
- have bridged the gap between theory and practice through internships
- have enhanced their sensitivity to others by studying customs, beliefs, and practices that are different from their own

In addition to preparing its majors, sociology contributes to the general education program and serves other majors. Students who wish to double major in sociology and psychology need have only one emphasis.

## **Sociology Major**

### **Requirements**

**G-SO 101** Introduction to Sociology (3 hours)

**SO 206** Social Problems (3-4 hours)

**G-SO 202** Minorities in the U.S. (3-4 hours)

**SO/PY 303** Social Psychology (3 hours)

**SO 320** Urban Sociology (3 hours)

**SO/PY 335** Research Methods I (4 hours)

**SO/PY 336** Research Methods II (4 hours)

**SO/PY 375** Junior Seminar (1 hour)

**SO 401** Sociological Theory (4 hours)

**SO 450** Sociology Proseminar (3 hours)

**SO/PY 474** Scientific Writing for the Behavioral Sciences (2 hours)

**\*SO/PY 475** Senior Seminar/Thesis (2 hours)

**G-MA 221** Elementary Applied Statistics (4 hours)

#### *Criminal Justice Emphasis*

**SO 275** Criminal Justice (3 hours)

**SO 355** Juvenile Delinquency (3 hours)

**SO 455** Police and Law Enforcement (3 hours)

**SO 460** Correctional Institutions (3 hours)

#### *Health and Human Services Emphasis*

**SO 260** Introduction to Human Services (3 hours)

**SO 365** Social Work in American Society (3 hours)

**PY 430** Health Psychology (3 hours)

**SO 470** Social Gerontology (3 hours)  
45-47 Required

### Recommended supporting courses

**PY/SO 308** Counseling (3 hours)  
**G-BI 101** Principles of Biology (4 hours)  
**EC 201** Elementary Economics: Macro (3 hours)  
**G-PS 101** Historical Introduction to Politics (3 hours)  
**G-PS 102** U.S. Government (3 hours)  
**G-PY 101** Introduction to Psychology (3 hours)  
**\*G-TE 333** Technology and Society (3 hours)  
Foreign Language

### Recommended courses for Students interested in Human Services careers

**PY/SO 210** Human Sexuality (3 hours)  
**PY/SO 308** Counseling (3 hours)  
**G-SO 246** Marriage and Family (3-4 hours)  
As much practical experience in human service placements as possible

## Sociology Minor

### Requirements

**G-SO 101** Introduction to Sociology (3 hours)  
**SO 206** Social Problems (3-4 hours)  
**SO 401** Sociological Theory or  
**SO 450** Sociology Proseminar (3-4 hours)  
**SO/PY 303** Social Psychology (3 hours)  
**SO/PY 335** Research Methods I (4 hours)  
18 hours required

## Social Work

McPherson College has well prepared its students majoring in the Behavioral Sciences for entrance into the Master of Social Work (M.S.W.) degree programs. The pre-professional program at McPherson College commits itself to fostering student learning in career-oriented liberal arts so that students are prepared for community service and/or graduate study in social work. Students who have acquired knowledge and skills requisite for entry into the field of social services and graduate social work education demonstrate proficient knowledge, understanding, and application of psychological and sociological theories and concepts.

All accredited graduate programs in social work require a four-year bachelor's degree for admission. The pre-social work student should plan the liberal arts program to include courses in arts and humanities, social and behavioral sciences, and biological sciences. Although the pre-social work student may choose a major in any field, a strong knowledge of human services, personality theory, counseling, and social problems is strongly recommended. The B.S. in psychology or sociology, with the health and human services emphasis, is recommended.

M.S.W. programs require evidence of relevant paid/volunteer work experience related to human services organizations. The pre-social work student should therefore be prepared to complete at least one internship or field experience related to community/social services. (The College's Career Connections program is highly recommended.)

The M.S.W. Degree prepares graduates for advanced social work practices in one of three areas—*clinical social practice* with individuals, families, and groups; *social work administration/community* practice aimed at social service administration and social policy development; and *school social work*. With such diverse professional practice concentrations, it is difficult to outline a generic program to prepare all pre-social work students for admission to these practice areas. Students should counsel with the pre-social work advisor to help them identify the type of professional program they are considering, and to assist them in developing a plan for completing the graduate admission requirements of that program or field.

Although M.S.W. programs differ in admissions requirements, the following courses, in addition to the major, are recommended for students interested in entering the social work profession at the graduate level:

**PY 405** Personality Theories (3 hours)  
**PY/SO 308** Counseling (3 hours)  
**SO 206** Social Problems (3-4 hours)

*Courses in the Health & Human Services Emphasis:*

**SO 260** Introduction to Human Services (3 hours)  
**SO 365** Social Work in American Society (3 hours)

**PY 430** Health Psychology (3 hours)  
**SO 470** Social Gerontology (3 hours)  
**PY/SO 388** Career Connections (1-12 hours)  
**PY/SO 295/495** Field Experience (1-4 hours)

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## Sociology Course Descriptions

### **G-SO 101 Introduction to Sociology**

*3 hours*

An introduction to the general field of sociology and its principle subdivisions; the nature of culture; the socialization of the individual; the character and behavior of social groups; social organization and institutions; social interaction, deviant behavior and social change. (Fall, Interterm)

### **G-SO 202 Minorities in the U.S.**

*3-4 hours*

An exploration of the problems faced by physical, cultural, economic, and behavioral minority groups in American society; the causes and consequences of prejudice, stereotypes, and discrimination; the nature of minority-majority group interaction; current crises and possible solutions; and some comparison with similar situations in other countries. Prerequisite: Course not open to first semester freshmen. Second semester freshmen by instructor consent. (Fall, Spring)

### **SO 206 Social Problems**

*3-4 hours*

A study of contemporary American and world social problems, including prostitution, drug addiction, poverty, sexism, racism, and war. ( Spring)

### **SO/PY 210 Human Sexuality**

*3 hours*

A study of female roles, male roles, values, life adjustments, sexual identities, religion, language, and behavior differences based on cultural, educational and socioeconomic factors related to human sexuality. Course uses lectures, audio- visuals, discussions, guest resource persons, assigned readings, and projects or papers to present information. Prerequisite: sophomore standing or higher or instructor consent. (Spring)

### **G-SO 246 Marriage and Family**

*3-4 hours*

This course explores the institution of marriage and family in American society from a sociological perspective. Topics covered include socialization, dating, courtship, marriage, parenting, dysfunctions, divorce and remarriage. Family dynamics and major social changes affecting the family are discussed. The course allows the individual to explore her/his own marriage and family attitudes and experiences. (Interterm, Spring)

### **SO 260 Introduction to Human Services**

*3 hours*

An introduction to the history, theory, practice, and trends in human services. The goals, functions, and organization of human services are examined in the context of contemporary social problems; a historical survey of human services is presented as a background against which current efforts can be viewed; major theories, techniques, and methods that govern helping efforts are covered; a description of consumers of human services, and the strategies both consumers and service providers initiate to overcome barriers to effective service delivery, are discussed. Career opportunities in the human services field are also explored. (Spring)

### **So 275 Criminal Justice**

*3 hours*

An introduction to the field of criminology and the American criminal justice system. Emphasis is placed upon the nature of crime, and trends and theories of crime along with components and functions of the criminal justice system including police, courts, and corrections. (Spring)

### **SO 285/PE 285 Sociological Implications of Sport & Recreation**

*2 hours*

A study of the interrelationships of sport and society.

### **SO/PY 303 Social Psychology**

*3 hours*

A study of the individual as he/she is affected by other persons. Topics covered include: interpersonal relations, social learning, conformity and individuality, attitudes, groups and organizations, and others. Discussion and involvement methods are emphasized. Prerequisite: 6 hours in the behavioral sciences or instructor consent. (Spring)

### **SO/PY 308 Counseling**

*3 hours*

A study of the theory and practice of counseling including a survey of the various systems of psychotherapy (person-centered therapy, psychoanalysis, behavioral therapy, cognitive-behavioral therapy, etc.) and learning, through role-play, of skills needed to be a helper. (Spring)

### **SO 320 Urban Sociology**

*3 hours*

A study of the development of modern cities, theories of urban growth, and urban problems and policies. Topics will include urbanization, urban renewal, economic restructuring and globalization, international migration, culture and politics of urban places, gentrification, crime and poverty, and ecological patterns of land use. (Fall)

### **SO/PY 335 Research Methods I**

*4 hours*

The basic research methods course for behavioral science majors. Correlational, survey, and case study techniques, basic experimental design, research ethics, and general professional conduct of empirical investigation are studied in a team-taught format. Lecture, laboratory, and practical field exercises are used as learning methods. Prerequisite: G-MA 221. Concurrent enrollment is acceptable. (Fall)

### **SO/PY 336 Research Methods II**

*4 hours*

The second of the two basic research methods courses for behavioral science majors. Relatively advanced scientific research designs and statistical analyses are studied. SPSS, a statistical package, is used for most of the work in the course. Prerequisites: G-MA 221 and SO/PY 335. (Interterm)

### **SO 355 Juvenile Delinquency**

*3 hours*

A comprehensive examination of juvenile delinquency and the juvenile justice system. An emphasis on the causes of juvenile delinquency; its relation to family, school, peers, and society; treatment of juvenile delinquents; and criminal proceedings and the family court. (Fall)

### **SO 365 Social Work in American Society**

*3 hours*

An introduction to the social work movement, profession, and practice in the United States. The course examines the social welfare policies and client populations that engage social workers, and explores the social work practice settings that range from child maltreatment and health care to work with older adults and corrections. Social issues are raised and case examples are presented to give insight into the clients and issues for which social workers initiate advocacy and social change through leadership positions in American society. Career opportunities in the social work profession are also explored. (Fall)

### **SO/PY 375 Junior Seminar**

*1 hour*

Several topics and issues are examined in a seminar format. These include ethical practices and concerns as they relate to research and clinical work, the development and execution of basic and applied research, and career development and related matters. Students work toward developing appropriate research topics for their senior theses and may explore internship opportunities. (Spring)

### **SO 401 Sociological Theory**

*4 hours*

A review and analysis of historical sociological theory including the masters of sociology: Durkheim, Weber, Marx, Pareto, Veblen, and others. Prerequisite: Six hours in sociology. (Spring, even years)

### **SO 425 Deviant Behavior**

*3 hours*

This course exposes the student to the perspectives, principles, issues and research findings of the deviant behavior field. Topics covered include: poverty, substance abuse, prostitution, homosexuality, violent behavior, family violence, mental disorders, crime and social control. Prerequisite: SO 206, SO/PY 335 or instructor consent. (Fall)

### **SO 450 Proseminar in Sociology**

*3 hours*

An advanced-level seminar to integrate the information learned in earlier sociology courses. The goal is to bring full circle the sociological

knowledge of students who are about to graduate. The course will explore a number of enduring sociological issues, including the meaning of sociology, the purpose of sociology and the effect sociology has on the world. Prerequisite: Upper division majors/minors only or instructor consent. (Spring, odd years)

#### **SO 455 Police and Law Enforcement**

*3 hours*

An analysis of the evolution of police, the police system, and the police role. Organization and jurisdiction of local, state, and federal law enforcement agencies along with philosophical and ethical issues surrounding their role will be discussed. (Fall, even years)

#### **SO 460 Correctional Institutions**

*3 hours*

An exploration of the historical and philosophical development of correctional systems with an emphasis on categories of inmates, treatment policies and their effectiveness, staff organization and training and their relation to the criminal justice system, and problems associated with correctional practices and procedures. (Fall, odd years)

#### **SO 470 Social Gerontology**

*3 hours*

A comprehensive introduction to an emerging field dealing with the social aspects of human aging. The course covers major areas of theory, research, social policy, and practice that impact older adults, and discusses the strengths and contributions that elders bring to their peers, families, and communities. The historical overview of aging in the United States, as well as the human and social meanings behind longevity population shift, is also explored. Also examined are social issues and psychological perspectives and strategies, as well as political and economic situations that produce undesirable outcomes as well as promote well-being in later life. Career options in the field of social gerontology are also explored. (Fall, even years)

#### **SO/PY 474 Scientific Writing for the Behavioral Sciences**

*2 hours*

This course is intended to help students develop the skills needed for writing research reports in the social sciences. It is a research-based course in which students learn to synthesize what they have read and present it as a scientific review of the literature; these are the primary goals. Thus, it focuses on how to apply social science theories and research methods to the writing of the senior research proposal. This course also provides students with the opportunity to prepare papers for regional conferences in sociology and psychology. (Fall)

#### **SO/PY 475 Senior Seminar/Thesis**

*2 hours (Language Intensive)*

This is the culminating or capstone course for behavioral science majors. Coordinated guidance is given on the preparation of the Senior Thesis. Discussion of current topics in sociology and psychology is combined with guidance on practical matters such as application to graduate study, developing a career, and so on. (Spring)

#### **SO 495 Field Placement**

*1-4 hours*

Practical experience working in an established social agency, mental health clinic, or correctional institution. Supervision and direction given on the job by the agency personnel. College personnel visit and give consultation.

#### **Individualized Courses Available**

**295/495** Field Experience (1-4 hours)

**299/499** Independent Study (1-4 hours)

**388** Career Connections (1-12 hours)

**445** Readings and Research (1-4 hours)

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## **Master of Education Program and Graduate Coursework**

The graduate level courses offered by the Curriculum and Instruction Department prepare candidates to grow professionally as service-oriented educators. Choose any of the following options: an ESOL licensure, SPED licensure only or combine those programs with the core graduate courses in education to earn the M.Ed.



These three programs (ESOL licensure, SPED licensure, and the core) are provided by the Department of Curriculum and Instruction and, like the undergraduate Teacher Education Program, are governed by the Teacher Education Board.

## Teacher Education Program

The Teacher Education Program at McPherson College is accredited by the Kansas State Department of Education (900 SW Jackson Street, Topeka, Kansas 66612); and by the National Council for the Accreditation of Teacher Education (NCATE), [www.ncate.org](http://www.ncate.org) (now known as Council for the Accreditation of Educator Preparation (CAEP), [www.caepnet.org](http://www.caepnet.org)). This accreditation covers the Teacher Education Program at McPherson College; however, the accreditation does not include individual education **courses** that the institution offers to P-12 educators for professional development, relicensure, or other purposes.

### Mission Statement

The mission of the Teacher Education Program of McPherson College is to develop service-oriented educators who effectively blend the art and science of teaching.

### Goals, Objectives, and Dispositions

*Goal I:* The candidate has the knowledge bases necessary to be an effective teacher in her/his field.

To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Acquire a broad liberal arts knowledge base.
2. Demonstrate proficiency in his/her major area of licensure.
3. Acquire effective strategies of teaching in all appropriate content areas and for all learners.
4. Recognize how students learn and develop.

*Disposition:* Appreciate the connections between various areas of knowledge and commit to continuous learning.

*Goal II:* The candidate can apply effective teaching strategies to meet the needs of all learners.

To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Use appropriate best practices for specific content areas and for diverse learners.
2. Reflect upon his/her teaching and analyze the practices.
3. Demonstrate understanding and use of formative and summative assessments and make modifications based on them.
4. Provide motivational techniques based on students' developmental and environmental needs.

*Disposition:* Value and respect students' varied talents and abilities and project enthusiasm for teaching all learners.

*Goal III:* The candidate fosters relationships and collaborates with school constituencies. To accomplish this goal, the service-oriented educator will:

*Objectives:*

1. Communicate effectively in both written and oral formats and through the use of technology
2. Solicit input from students, parents, colleagues, and the greater community.
3. Act on information received from stakeholders.

*Disposition:* Value the many ways in which people seek to communicate and encourage various modes of communication.

In addition to meeting the Goals, Objectives, and Dispositions of The Teacher Education Program, the graduate-level program must also meet the additional graduate-level Student Learning Outcomes:

1. Demonstrate graduate-level problems solving and analytical skills.
  2. (Re)Establish a personal philosophy of education.
  3. Develop graduate-level action research and writing skills.
  4. Develop an understanding of current research, best practices, and new approaches to teaching and/or learning.
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# Master of Education Course Descriptions

## CI 610 Issues in Learning

*3 cr hrs*

This course will identify national and regional issues surrounding education and the ways these issues impact educators.

## CI 615 Foundations of Education/ Cultures in Education

*3 cr hrs*

This course will explore issues, problems and solutions relevant to schooling in a pluralistic society by viewing schools as social institutions that reflect and influence both the values and the cultural dynamics of a society at large. Issues of race, social class, and gender will be explored as factors of inequity that shape students and teachers both in and out of the classroom. Starting with their own lives, students investigate education as an agent of social change.

Class work as well as experiential assignments will assist participants' exploration of their own as well as their students' identities in order to identify the effects of various factors on the teaching experience, educational culture, and school change efforts. Special attention will be given to considerations necessary to implement action research projects.

## CI 620 Fundamentals of Action Research.

*3 cr hrs*

This course provides a structured approach to the practice of action research. Educators learn how to identify relevant issues, become involved in collaborative inquiry, and use data and research to inform their practice, improve student academic success, and contribute to positive change in their schools. Students will begin to apply action-research methodologies in their own environments.

## CI 630 Changes in Education

*3 cr hrs*

This course will focus on systemic and structural change at the school and classroom levels. Case studies of school change models, both traditional and experimental, will be examined and discussed as possibilities and springboards for candidates' own action research projects. Emphasis will be placed on the collaborative nature of successful school change as well as analysis of examples of failures. Guest speakers will also provide insight into dimensions of school change.

## CI 645 Data Collection and Proposal Development

*6 cr hrs*

Educators will engage in reflective practices as they develop a plan for action research, collect and analyze appropriate data, and develop data-informed decisions/actions to improve student learning and enhance professional growth.

## CI 665 School and Community Partnerships

*3 cr hrs*

The purpose of the School and Community Partnerships course is for students to connect business and community resources with school resources to enrich students' educational experience and increase student achievement and/or knowledge. Real world examples will inform students' inquiry into ways partnerships can be forged and sustained. Particular consideration will be paid to the schools and communities in which students work.

## CI 670 Legal Issues: Litigation v. Advocacy

*3 cr hrs*

This course is designed to familiarize educators with the legal system as it pertains to the educational process in order to empower educators to employ educational law to students' advantage.

## CI 675 Project Implementation

*6 cr hrs*

In this course, educators will use collected data to enact change. At the end of the implementation period, students will engage in reflective assessment of themselves and their program.

## CI 650 Elective: Mentoring the Researcher

*min 5 cr hrs*

Additional courses / directed studies can be requested at any time for students seeking to better understand specific issues related to their projects. Students are required to take two hours of elective courses during their coursework.

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# Personnel List

## President of McPherson College

**Michael P. Schneider, Ed.D.,** *McPherson, Kansas*

## Faculty

Photo directory of current Faculty

**Allan Ayella, B.S., M.S., Ph.D. (2007)**

*Assistant Professor of Biology*

B.S., Makerere Uni, Kla-Uganda; M.S., Ph.D., Kansas State University.

**Edward Barr, B.A., B.S., M.A. (2010)**

*Assistant Professor of Technology*

B.A., University of the South; B.S., McPherson College; M.A., University of Kansas.

**Becki Bowman, B.A., M.A., Ph.D. (2006)**

*Associate Professor of Communication (2012)*

B.A., McPherson College; M.A., Wichita State University; Ph.D., Kent State University.

**Jd. Bowman, B.A., M.A., M.F.A. (2005)**

*Associate Professor of Theatre (2011)*

B.A., McPherson College; M.A., M.F.A., Kent State University.

**Ku-Sup Chin, B.A., M.A., Ph.D. (2003)**

*Associate Professor of Behavioral Science: Sociology (2009)*

B.A., Korea University; M.A., Ph.D., University of California-Irvine.

**Bruce Clary, B.A., M.A., Ph.D. (1983)**

*Vice President for Academic Affairs (2014)*

*Professor of English (2014) Maurice Hess Chair in English (2000)*

B.A., McPherson College; M.A., Wichita State University; Ph.D., Kansas State University.

**Wayne A. Conyers, B.A., M.A., M.F.A. (1983)**

*Professor of Art (2005)*

B.A., Bethany College; M.A., University of Missouri-Kansas City; M.F.A., Fort Hays State University.

**Steven Crain, B.S., M.A., M.A., M.A., Ph.D. (2012)**

*Associate Professor of Philosophy & Religion*

B.S., Stanford University; M.A., Fuller Theological Seminary; M.A., M.A., Ph.D., University of Notre Dame.

**Joe Dickhudt, B.S., M.B.A. (2005)**

*Associate Professor of Technology (2012)*

B.S., California State Polytechnic University; M.B.A., College of William and Mary, Virginia.

**Kerry Dobbins, B.A., M.A., Ph.D. (2010)**

*Assistant Professor of History*

B.A., Skidmore College; M.A., Ph.D., University of Wisconsin-Madison.

**John Dollarhide, B.A., M.A., Ph.D. (2014)**

*Assistant Professor of Mathematics*

B.A., University of Northern Colorado; M.A., Arizona State University; Ph.D., Oklahoma State University.

**Michael Dudley, B.S., B.S. (2014)**

*Assistant Professor of Technology*

B.S., University of Nebraska-Lincoln; B.S., McPherson College.

**Laura Workman Eells, B.A., M.A., Ph.D. (1996)**

*Associate Professor of Behavioral Science: Sociology (2002)*

B.A., M.A., Ph.D., University of Nebraska-Lincoln.

**Jodi Ehling, B.S., M.A.t. (2011)**

*Assistant Professor of Physical Education (2013)*  
*Assistant Athletic Trainer*  
B.S., M.A.T., University of Central Missouri; ATC.

**Dee Erway-Sherwood, B.F.A., M.F.A. (2003)**

*Associate Professor (2010)*  
*Program Director of Graphic Design (2004)*  
B.F.A., M.F.A., Fort Hays State University.

**Jonathan Frye, B.S., M.S., Ph.D. (1993)**

*Professor of Natural Science (2011)*  
B.S., Lebanon Valley College; M.S., Ph.D., University of Virginia.

**Rodney Gieselman, B.S., M.B.A. (2003)**

*Associate Professor of Business (2009)*  
*Director of Program Development (2003)*  
B.S., University of Nebraska-Kearney; M.B.A., Bellarmine University.

**Curtis Goodwin, A.S., B.S., M.S. (2014)**

*Associate Professor of Technology*  
A.S., Colby Community College; B.S., M.S., Pittsburg State University.

**Garrick Green, A.t., B.A., M.S. (2001)**

*Associate Professor of Technology (2013)*  
A.T., B.A., McPherson College; M.S., Pittsburg State University.

**Michaela Groeblacher, B.A., M.F.A. (2014)**

*Assistant Professor of Art*  
B.A., McPherson College ; M.F.A., Fort Hays State University.

**James Haritatos, B.A., M.S.W. (1997)**

*Assistant Professor of Behavioral Sciences (2001)*  
B.A., Valparaiso University; M.S.W., Saint Louis University.

**Dale Hartley, B.A., M.A., M.B.A., Ph.D. (2015)**

*Assistant Professor of Business*  
B.A., University of West Georgia; M.A., New York Institute of Technology; M.B.A., Ottawa University; Ph.D. Capella University.

**Daniel J. Hoffman, B.S., M.Ed. (1982)**

*Associate Professor of Physical Education (1993)*  
B.S., Manchester College; M.Ed., Wichita State University.

**Kyle Hopkins, B.A., B.M.e., M.M. (2013)**

*Associate Professor of Music*  
*Band Director*  
B.A., University of Kansas; B.M.E., Washburn University; M.M., Kansas State University.

**Shane Kirchner, B.A., M.Ed., Ph.D. (2004)**

*Associate Professor of Education (2012)*  
B.A., McPherson College; M.Ed., Wichita State University; ESL Licensure, Emporia State University; Ph.D., Kansas State University.

**Manjula Koralegedara, B.S., M.S., Ph.D. (2010)**

*Assistant Professor of Chemistry*  
B.S., University of Peradeniya, Sri Lanka; M.S., Ph.D., Wichita State University.

**Sheron Lawson, A.B., M.B.A., D.i.B.A. (2013)**

*Assistant Professor of Business*  
B.A., Augustana College; M.B.A., Keller (DeVry) Graduate School of Management; D.I.B.A., Nova Southeastern University.

**Carl Lund, A.A., B.S., M.S., M.L.S., M.A., M.A. (2012)**

*Assistant Professor of Education*  
A.A., Fond du Lac Tribal and Community College; B.S., University of Wisconsin- Superior; M.S., M.S., M.L.S., Emporia State University; M.A., M.A., Wichita State University.

**ShaRhonda Maclin, B.S., M.Ed., Ph.D. (2006)**

*Assistant Professor of Education*

*Dean of Students (2012)*

B.S., McPherson College; M.Ed., University of Oklahoma; Ph.D., Capella University.

**Ami Martinez, B.A., M.Ed. (2012)**

*Assistant Professor of English*

B.A., M.Ed., Wichita State University.

**Lorena Medrano, B.A., M.S., M.S., M.A. (2013)**

*Assistant Professor of Spanish*

B.A., Universidad Rafael Urdaneta; M.S., Universidad del Zulia; M.S., M.A., University of Missouri-Columbia.

**Bryan D. Midgley, B.S., M.A., Ph.D. (2000)**

*Associate Professor of Behavioral Science: Psychology (2006)*

B.S., Eastern Michigan University; M.A., Ph.D., University of Kansas.

**Joshua Norris, B.A., M.M., D.M.A. (2012)**

*Assistant Professor of Music*

B.A., Luther College; M.M., Texas State University; D.M.A., University of Nebraska-Lincoln.

**David O'Dell, B.S., M.B.A. (1979)**

*Professor of Accounting (2003)*

B.S., McPherson College; M.B.A., Emporia State University.

**Christopher Paulsen, A.T., B.S., M.S. (2004)**

*Assistant Professor of Technology*

A.T., B.S., McPherson College; M.S., Pittsburg State University.

**Vicki Schmidt, A.A.S., B.S., M.S. (2015)**

*Assistant Professor of Education*

A.A.S., Kansas State University; B.S., Fort Hays State University; M.S., Baker University.

**Herbert Smith, B.A., M. Div., Ph.D. (1982)**

*Professor of Philosophy and Religion (1994)*

*Burton Metzler Chair in Philosophy and Religion (1999)*

B.A., Elizabethtown College; M.Div., Bethany Theological Seminary; Ph.D., Claremont Graduate School.

**Kimberly Diane Stanley, B.A., M.A., Ph.D. (1988)**

*Professor of English (1997)*

B.A., Trinity University; M.A., St. John's College at Santa Fe; Ph.D., University of Texas.

**Tim Swartzendruber, B.S., M.Ed. (2008)**

*Head Coach, Men's Basketball*

*Assistant Professor of Physical Education (2009)*

B.S., Bethel College; M.Ed., Wichita State University.

**Karlene Morphew Tyler, B.A., M.A. (1975)**

*Associate Professor of Speech and Theatre (2000)*

*Director of Alumni and Constituent Relations (2014)*

B.A., McPherson College; M.A., Emporia State University.

**Ricky W. Tyler, B.A., M.A., Ph.D. (1977)**

*Professor of Theatre (1998)*

B.A., McPherson College; M.A., Emporia State University; Ph.D., Michigan State University.

**Allan van Asselt, B.S., Ph.D. (2000)**

*Professor of Chemistry*

B.A., McPherson College; Ph.D., California Institute of Technology.

**Dustin Wilgers, B.S., M.S., Ph.D. (2011)**

*Assistant Professor of Biology*

B.S., Southwestern College; M.S., Kansas State University; Ph.D., University of Nebraska-Lincoln.

**Leland Williams, B.A., M.F.A., M.S. (2014)**

*Assistant Professor of English*

B.A., University of Colorado-Boulder; M.F.A., Naropa University; M.S., University of Colorado-Denver.

**Kenneth Yohn, B.A., M.A., Ph.D. (1999)**

*Professor of History (2005)*

B.A., Manchester College; M.A., Ph.D., University of Iowa.

**Rebecca Ann Zerger, B.S., M.F.A. (2004)**

*Associate Professor of Art (2012)*

B.S., University of Kentucky-Lexington; M.F.A., Wichita State University.

## ACCK Faculty

**Nellie Graber, B.Ed., M.Ed., Ed.S. (2008)**

*Assistant Professor of Special Education*

B.Ed., M.Ed., Wichita State University Ed.S., Ft. Hays State University.

**Beverly Schottler, B.S., M.S., Ed.D. (2005)**

*Assistant Professor of Special Education/Department Chair*

B.S., M.S., Fort Hays State University; Ed.D., Kansas State University.

## Faculty Emeriti

**John H. Burkholder, B.A., Ph.D. (1950)**

*Professor Emeritus of Biology (1992)*

B.A., McPherson College; Ph.D., University of Chicago.

**Doris E. Coppock, A.B., M.A., Ph.D. (1950)**

*Professor Emerita of Health, Physical Education and Recreation (1992)*

A.B., McPherson College; M.A., Ph.D., University of Iowa.

**Wesley Eecoursey, B.S., Ph.D. (1952)**

*Professor Emeritus of Chemistry (1987)*

B.S., McPherson College; Ph.D., Iowa State University.

**Alfred Dutrow, B.S., M.S. (1973)**

*Professor Emeritus of Agriculture (2009)*

B.S., McPherson College; M.S., Michigan State University.

**Bob R. Green, A.A., B.A., M.A. (1967)**

*Professor Emeritus of English (1993)*

A.A., Central College; B.A., Seattle Pacific University; M.A., Emporia State University.

**Steven c. Gustafson, B.M., M.M., D.M.A. (1980)**

*Vice President for Advancement (2014)*

*Professor Emeritus of Music (2014)*

B.M., Bethany College; M.M., D.M.A., University of Colorado-Boulder.

**Paul W. Hoffman, B.S., M.Div., M.A., Ph.D. (1976)**

*President Emeritus (1996)*

*Professor Emeritus of Psychology (1996)*

B.S., Manchester College; M.Div., Bethany Theological Seminary; M.A., University of Michigan; Ph.D., Purdue University; Certificate, Harvard Institute for Educational Management.

**Corinne Neubauer Hughbanks, B.A., M.S., Ph.D. (1966)**

*Professor Emerita of Languages (1993)*

B.A., Asbury College; M.S., Emporia State University; Ph.D., University of Nebraska.

**Monroe Hughbanks, B.A., M.S., Ed.D. (1964)**

*Professor Emeritus of Education (1993)*

B.A., Asbury College; M.S., Emporia State University; Ed.D., University of Nebraska.

**Gilford J. Ikenberry, Jr., B.S., M.S., Ph.D. (1961)**

*Professor Emeritus of Biology (1993)*

B.S., McPherson College; M.S., Oklahoma State University; Ph.D., Iowa State University.

**Shingo Kajinami, B.S., Ph.D. (1986)**

*Professor Emeritus of Chemistry (2003)*

B.S., Bethel College; Ph.D., University of Oklahoma.

**Larry Kitzel, B.S., M.M., D.M.A. (1970)**

*Professor Emeritus of Music (2004)*

B.S., McPherson College; M.M., Wichita State University; D.M.A., University of Oklahoma.

**Robert W. Neufeld, B.A., M.A., M.S., Ph.D. (1991)**

*Professor Emeritus of Computer Science (2004)*

B.A., Bethel College; M.A., M.S., Wichita State University; Ph.D., Iowa State University.

**Jeanne Jacoby Smith, B.A., M.A., ed.D. (1982)**

*Professor Emerita of Education (2009)*

B.A., Elizabethtown College; M.A., James Madison University; Ed.D., Kansas State University.

**Susan Krehbiel Taylor, B.A., M.L.S., Ph.D. (1979)** *Professor Emerita of Journalism (2010) College Librarian Emerita (2010)*

B.A., McPherson College; M.L.S., Emporia State University; Ph.D., Kansas State University.

**Roger Trimmell, B.S., M.Ed. (1982)**

*Professor Emeritus of Physical Education (2011)*

B.S., McPherson College; M.Ed., Wichita State University.

**Norma Tucker, A.B., M.L.S., Sp.e., ed.D. (1971)**

*Professor Emerita of English and Journalism (1996)*

A.B., McPherson College; M.L.S., University of Oklahoma; Sp.E., Wichita State University; Ed.D., University of Kansas.

**Jan van Asselt, B.S., M.A., Ph.D. (1965)**

*Professor Emeritus of German and Linguistics (2000)*

B.S., McPherson College; M.A., University of Colorado, Boulder; Ph.D., University of California.

## Full-time Administrative and General

Photo directory of current Staff

**Steve Anderson (2002)**

*Facility Management: Custodian*

**Abbey Archer-Rierson, B.S. (2008)**

*Chief of Staff (2011)*

B.S., University of Kansas.

**Dave Auman (2011)**

*Facility Management: Maintenance Technician*

**Leslie Auman (2014)**

*Facility Management: Maintenance Technician*

**Carole Barr, B.A., M.A. (2010)**

*Director of Student Success (2012)*

B.A., M.A., University of Kansas.

**David Barrett, B.S., M.S.S. (1991)**

*Advancement Officer (2014)*

B.S., McPherson College, M.S.S., United States Sports Academy.

**Linda Barrett, B.S. (1996)**

*Administrative Assistant to the Dean of Students (2014)*

B.S., McPherson College.

**Susan Barton (2008)**

*Head Coach, Volleyball*

**Sara Brubaker, B.S.; M.S. (2002)**

*Director of Financial Aid and Admissions Operations (2012)*

B.S., McPherson College; M.S., Friends University

**Timothy Bruton, B.S. (2002)**

*Facility Management: Maintenance & Safety Supervisor (2012)*

B.S., McPherson College.

**Brandt Busse, B.A. (2012)**

*Resident Director: Metzler Hall Bookstore Manager (2013)*

*Director of Residence Life (2014)*

B.A., McPherson College.

**Renee Carlson (1995)**

*Facility Management: Custodian*

**Aric Cherry, B.A. (2012)**

*Athletic Communications Director*

B.A., Southwestern College.

**Bruce Clary, B.A., M.A., Ph.D. (1983)**

*Vice President for Academic Affairs (2014)*

*Professor of English (2014)*

*Maurice Hess Chair in English (2000)*

B.A., McPherson College; M.A., Wichita State University; Ph.D., Kansas State University

**Doug Cooke (2005)**

*Facility Management: Maintenance Technician (2006)*

**Dara Dix (2013)**

*Payroll & Accounting Clerk*

Diploma, Spencer School of Business.

**Adam Dutcher, B.A. (2012)**

*Assistant Coach, Football*

B.A., Grand View University.

**Andrew Ehling, A.A., B.A., M.S. (2011)**

*Athletic Director*

A.A., Butler Community College; B.A., Kansas State University; M.S., University of Central Missouri.

**Jodi Ehling, B.S., M.A.t. (2011)**

*Assistant Athletic Trainer*

*Assistant Professor of Physical Education (2013)*

B.S., M.A.T., University of Central Missouri; ATC.

**T. J. Eskildsen, S., M.S. (2010)**

*Resident Director: Baer and Harter Apartments (2014)*

*Assistant Coach, Men's Basketball*

B.S., Iowa Wesleyan College; M.S., William Woods University.

**Randy Gepner (2012)**

*Facility Management: Maintenance Technician*

**Breahna Gillespie, B.A. (2014)**

*Admissions & Financial Aid Counselor*

B.A., McPherson College.

**Danna Gordon, B.S. (2014)**

*Admissions & Financial Aid Counselor*

B.S. McPherson College

**Andrew Gustafson, B.A. (2007)**

*Athletic Facilities and Grounds Supervisor (2012)*

B.A., McPherson College.

**Colleen Gustafson, B.A. (2008)**

*Manager, Strategic Marketing & Branding (2014)*

B.A., McPherson College.

**Steven C. Gustafson, B.M., M.M., D.M.A. (1980)**

*Vice President for Advancement (2014)*

*Professor Emeritus of Music (2014)*

B.M., Bethany College; M.M., D.M.A., University of Colorado-Boulder.

**Amanda Gutierrez, B.S., M.B.A. (2009)**

*Vice President for Automotive Restoration (2012)*



B.A., Kansas Wesleyan University; M.B.A., Friends University.

**Cheryl Hammarlund, B.A. (2002)**

*Facility Management: Lead Custodian*

B.A., McPherson College.

**Patricia Hartshorn, B.A. (2014)**

*Registrar (2014)*

B.A., Bethany College.

**Bob Hein (2012)**

*Facility Management: Maintenance Technician*

**Mary Hester, B.S., M.Ed., M.L.S. (2011)**

*Director of Library Services*

B.S., M.Ed., Fort Hays State University; M.L.S., Emporia State University.

**Christi Hopkins, B.S. (2007)**

*Vice President for Enrollment Management (2014)*

B.S., Southwest Baptist University

**Josh Hubin, B.S. (2011)**

*Assistant Director of Admissions (2014)*

B.S., McPherson College.

**Jennifer Jensen, B.A. (2013)**

*Director of Spiritual Life and Service Learning*

B.A., University of Nebraska.

**Mike Jose**

*System & Network Administrator*

**Stephanie Kiersey, B.A., M.L.S. (2012)**

*Assistant Librarian (2014)*

B.A., McPherson College.; M.L.S., Emporia State University

**Lorraine Lahdenpera, A.t., B.S., M.B.A. (1998)**

*Director, Milwaukee Center Continuing Education Program*

A.T., Milwaukee Area Technical College; B.S., University of Texas at Dallas; M.B.A., Amber University-Dallas.

**Cari Lott, B.A., M.Ed., Ed.D. (2011)**

*Associate Dean for Institutional Research, Assessment, and Academic Records (2014)*

B.A., Kansas Wesleyan University; M.Ed., Ed.D., Kansas State University.

**Brian Lundberg, A.A. (2003)**

*Director of Marketing (2015)*

A.A., Art Institute of Dallas.

**Allison Mackey, B.A. (2001)**

*Assistant Registrar (2010)*

B.A., McPherson College.

**ShaRhonda Maclin, B.S., M.Ed., Ph.D. (2006)**

*Dean of Students (2012)*

*Assistant Professor of Education*

B.S., McPherson College; M.Ed., Wichita State University; Ph.D., Capella University.

**Cameron Magnall, B.A., M.S. (2011)**

*Head Coach, Track & Field and Cross Country*

B.A., Concordia College; M.S., Adams State College.

**Janelle Magnuson, B.S. (2007)**

*Controller (2012)*

B.S., Bethany College.

**Brian Martin, B.S. (2009)**

*Director of Automotive Restoration Projects (2014)*

B.S., McPherson College.

**Patrick Masar, B.S. (2015)**

*Sr. Admissions & Financial Aid Counselor and Transfer Program Coordinator (2012)*

B.S., Sterling College.

**Marylyn Matthaei, B.A. (1989)**

*Sr. Administrative Assistant to the Vice President for Academic Affairs*

B.A., McPherson College.

**Paul Mierkiewicz, B.A., M.S. (2015)**

*Head Coach, Football*

B.A., M.A., Loras College.

**Janelle Miller (2000)**

*Facility Management: Custodian (2001)*

**Bethany Nicholson (2014)**

*Head Coach, Cheer & Dance (2015)*

**Hunter Nolen, B.M. (2013)**

*Computer Services Assistant*

B.M., Baylor University.

**Andy Olsen, B.S.M. (2014)**

*Assistant Director of Financial Aid*

B.S.M., Central Christian College.

**Mark Olsen, B.S. (2015)**

*Associate Head Coach, Women's Soccer*

B.S., Wichita State University.

**David Penalva (2007)**

*Facility Management: Custodian*

**E.J. Peterson, A.A., B.A. (2012)**

*Resident Director: Morrison Hall (2014)*

*Assistant Coach, Football*

A.A., Iowa Central Community College; B.A., Grand View University.

**Jeff Podzimek, B.S., M.B.A. (2014)**

*Assistant Football Coach*

B.S., M.B.A., University of Mary.

**Shawn Powell, B.S., M.S. (2014)**

*Head Coach; Baseball*

*Athletic Groundskeeper*

B.S., Kansas Wesleyan University; M.S., Friends University.

**Adam Pracht, B.S., B.A. (2010)**

*Public Relations Coordinator (2013)*

B.S., B.A., University of Kansas.

**Doug Quint, A.A., B.S. (2003)**

*Head Coach, Men's & Women's Soccer (2010)*

*Director of Soccer Operations*

A.A., Allen County Community College; B.S., Bethel College; USSF 'C' License; NSCAA Advanced National Diploma; NSCAA Levels I and II GK License.

**Gordon Reimer, B.S., M.B.A. (2013)**

*Head Coach, Women's Basketball*

B.S., M.B.A., Baker University.

**Langston Rhynes, B.A. (2014)**

*Admissions & Financial Aid Counselor*

B.A., McPherson College.

**Kathryn Russell, (2008)**

*Facility Management: Custodian*

**Sonja Sawatzky, A.A. (2008)**

*Financial Aid Coordinator*  
A.A., Brown Mackie College.

**Katie Sawyer, B.A. (2014)**  
*Director of Career Services*  
B.A., Pittsburg State University.

**Michael P. Schneider, B.S., M.B.A. (2002)**  
*President (2009)*  
B.S., McPherson College; M.B.A., Denver University; Ed.D. University of Pennsylvania.

**Phillip Schoenwetter, B.S., M.S. (2008)**  
*Head Athletic Trainer (2013)*  
B.S., MidAmerica Nazarene University; M.S., Kansas State University; ATC, LAT.

**Marty Sigwing, B.S. (2012)**  
*Director of Facilities*  
B.S., Southwestern College.

**Carry Smith, (2012)**  
*Facility Management: Custodian*

**Ashley Spencer, B.g.S., M.B.A. (2014)**  
*Head Coach, Softball*  
B.G.S., University of Kansas; M.B.A., Tabor College.

**Ermelinda Spies, B.A., M.S. (2011)**  
*Assistant Track & Field Coach*  
B.A., Western State College; M.S., Fort Hays State University.

**Robert Spies, B.S., M.S. (2014)**  
*Assistant Cross-Country/Track & Field Coach*  
B.S., M.S., Pittsburg State University.

**Brenda Stocklin-Smith, B.S.B.A., PHR (2012)**  
*Director of Human Resources*  
B.S.B.A., University of Missouri-Columbia.

**Justin Stuckey, B.S., M.Ed. (2014)**  
*Head Coach, Tennis*  
B.S., Johnson C. Smith University; M.Ed., Wright State University.

**Brad Stucky, B.A. (1978)**  
*Assistant Director of Facilities (2012)*  
B.A., McPherson College.

**Connie Stucky (1991)**  
*Facility Management: Office Manager (2001)*

**Tim Swartzendruber, B.S., M.S. (2008)**  
*Head Coach, Men's Basketball*  
*Assistant Professor of Physical Education (2009)*  
B.S., Bethel College; M.S., Wichita State University.

**Vikki Trimmell, A.A. (1982)**  
*Admissions Assistant (2004)*  
A.A., Hutchinson Community College.

**Richard (Rick) L. Tuxhorn, B.S., CPA, CGMA (2012)**  
*Vice President for Finance*  
B.S., Sterling College; CPA, CGMA

**Karlene Morphew Tyler, B.A., M.A. (1975)**  
*Director of Alumni and Constituent Relations (2003)*  
*Associate Professor of Speech and Theatre (2000)*  
B.A., McPherson College; M.A., Emporia State University.

**Andrew Ullom, B.S. (1999)**

*Director of Computer Services (2015)*

B.S., McPherson College.

**Justin Van Houten, B.A., M.S. (2012)**

*Assistant Coach, Football; Offensive Coordinator*

B.A., M.S., Grand View University.

**Mechelli Vickroy (2014)**

*Admissions Assistant*

**Debra Wagoner (1995)**

*Campaign Coordinator; Administrative Assistant to the Vice Presidents for Advancement and Automotive Restoration (2014)*

**Bonnie Wall (2009)**

*Facility Management: Custodian*

**Marcia S. Walters, A.A., B.S. (1978)**

*Assistant to the Director of Alumni & Constituent Relations; Advancement FundRaiser (2014)*

A.A., Hutchinson Community College; B.S. Emporia State University.

**Alex Wuest, B.A. (2013)**

*Admissions & Financial Aid Counselor*

B.A., Tabor College.

## **Part-time Faculty and Staff**

**Mariah Ramey, B.S. (2014)**

*Administrative Assistant for Teacher Education*

B.S., University of California-Davis.