

**Mansfield University**  
**2008-2009**  
**Undergraduate Catalog**

**Mansfield University of Pennsylvania**  
**Mansfield, PA 16933**

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# ADMINISTRATION AND INFORMATION

## **President**

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## **Provost and Vice President for Academic Affairs**

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## **Vice President for Advancement**

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## **Associate Vice President of Student Affairs**

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## **Interim Dean of Arts & Sciences**

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## **Associate Provost and Interim Dean for Graduate and Professional Programs**

Dr. Deborah Erickson  
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## **Assistant Vice President for Research & Planning**

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## **Admissions**

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## **Financial Aid**

Ms. Barbara Schmitt, Director  
224 South Hall; 570-662-4854

## **Information Technology**

Ms. Connie Beckman, Director  
002 Memorial Hall; 570-662-4830

## **Center for Lifelong Learning**

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## **Library and Information Resources**

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214 North Hall; 570-662-4689

## **Career Center**

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## **Public Relations**

Mr. Dennis R. Miller, Director  
Beecher House; 570-662-4846

## **Student Accounts**

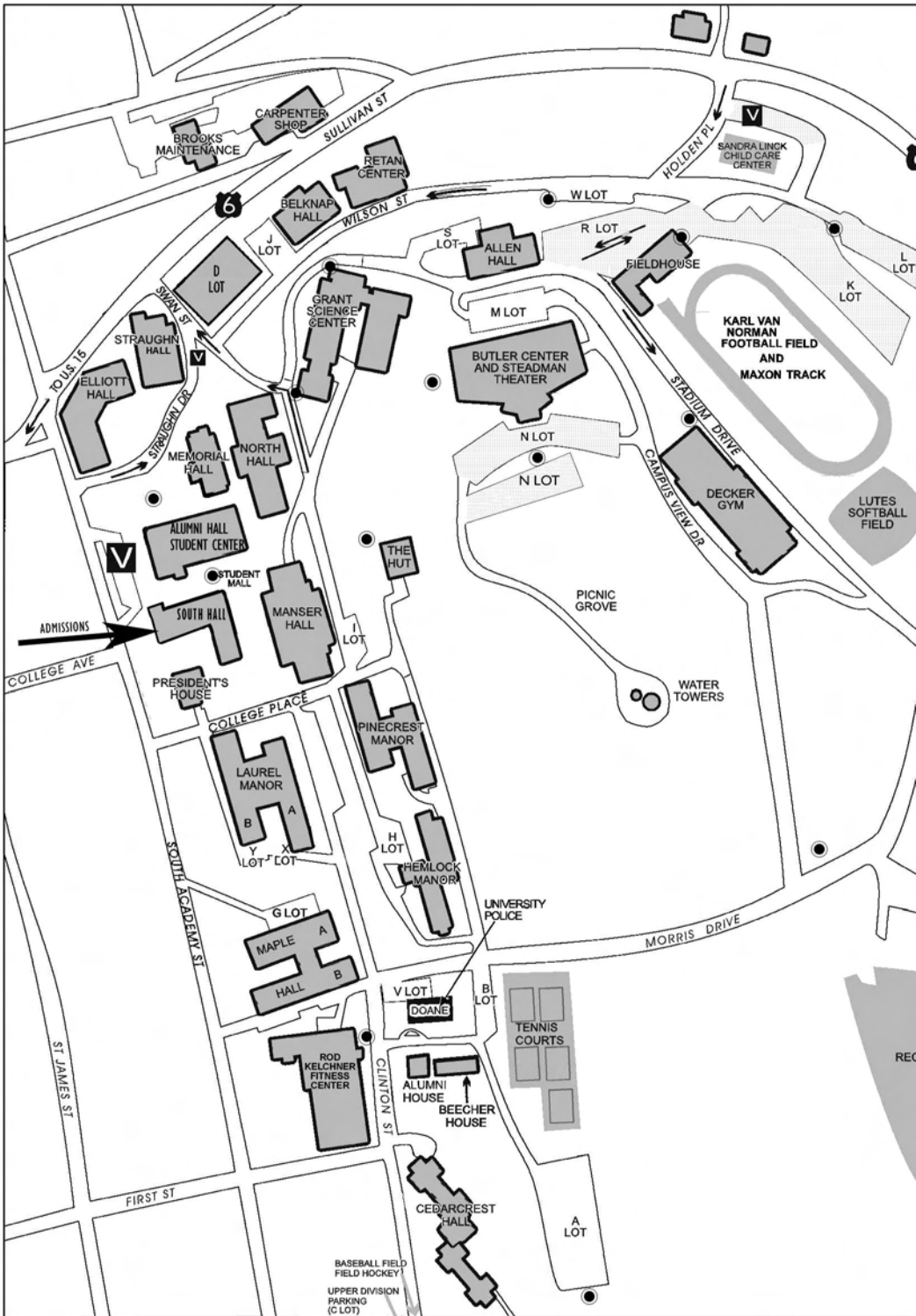
Ms. Melanie Seymour, Director  
224 South Hall; 570-662-4888

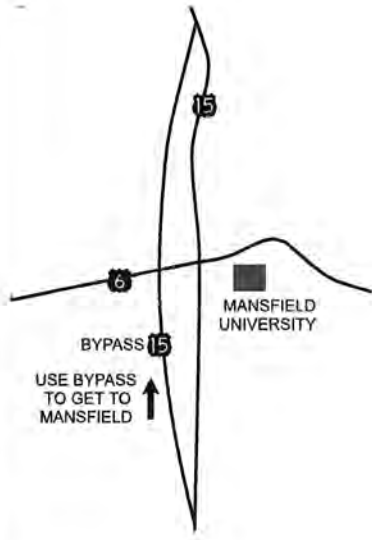
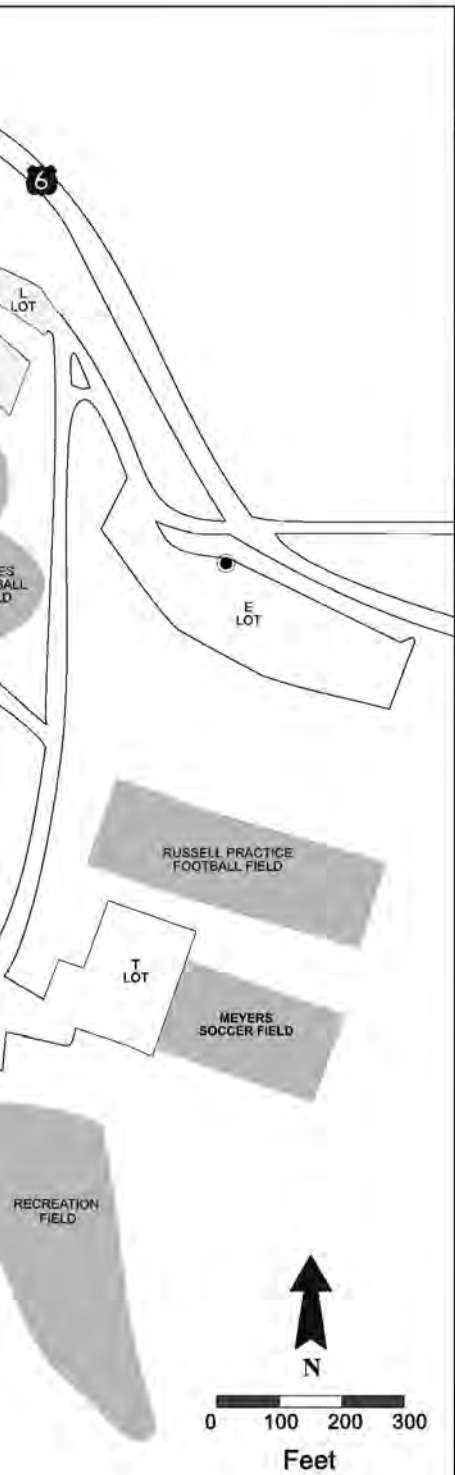
## **Controller's Office**

Mr. Curt Tofts  
129 Alumni Hall; 570-662-4868

## **Registrar's Office**

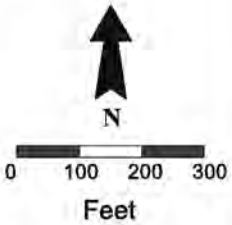
Ms. Lori Cass  
224 South Hall; 570-662-4202





**V** Visitor Parking

**●** Blue Light Emergency Phones



# UNIVERSITY CALENDAR

## 2008-2009

### Fall Semester, 2008

University Meeting Days	Th-F	August 21-22
Residence Halls Open:		
New Students	Sa	August 23
Returning Students	Su	August 24
Academic Orientation Day	Su	August 24
Classes Begin at 8:00 a.m.	M	August 25
Monday classes beginning 6:00 p.m. and after	F	August 29
Labor Day – No Classes	M	September 1
Last Day to DROP Classes	Tu	September 2
Last Day to:		
ADD Classes	W	September 3
Submit “Credit-By-Exam” form		
Submit “Intent to Graduate” form for May 2009		
Submit “Pass/Fail Option” Card		
Submit “Repeat of Course” Card		
Last Day to Submit “Incomplete” Grades	Tu	September 16
Last Day to Complete “Credit-By-Exam”	Tu	September 23
Fall Holiday - No Classes	M - T	October 13 - 14
Mid-Semester Grades Due	F	October 17
Last Day To Withdraw From A Course	F	October 24
Registration for Spring Semester Begins	M	October 27
Thanksgiving Holiday - No Classes	W-F	November 26-28
Fall Semester Classes End	F	December 5
Final Examination Period *	M-F	December 8-12
Residence Halls Close	F	December 12
Fall Commencement	Sa	December 13
Fall Semester Grades Due (12:00 Noon)	M	December 15
Academic Review Board	W-F	January 7-9

\* Friday is reserved for make up if it is necessary for the University to cancel final exams on one of the other days.



## Spring Semester, 2009

University Meeting Days	Th-F	Jan 8-9
Residence Halls Open	Su	Jan 11
Classes Begin at 8:00 am	M	Jan 12
Martin Luther King Holiday - No Classes	M	Jan 19
Monday class schedule: with the exception of classes that start at 6:00 PM or later on Tuesday	T	Jan 20
Last Day to DROP Classes	W	Jan 21
Last Day to:		
ADD Classes	Th	Jan 22
Submit "Credit-By-Exam" form		
Submit "Intent to Graduate" form for December 2010		
Submit "Pass/Fail Option" Card		
Submit "Repeat of Course" Card		
Last Day to Submit "Incomplete" grades	M	Feb 2
Last Day to Complete "Credit-by-Exam"	M	Feb 9
Spring Holiday - No Classes		Th-F
Feb 26-Mar 6		
Mid-Semester Grades Due		W
Mar 11		
Last Day To Withdraw From A Course	F	Mar 20
Registration For Fall Semester Begins	M	Mar 30
Spring Semester Classes End	F	Apr 24
Final Examination Period *	M-F	Apr 27-May 1
Residence Halls Close	F	May 1
Spring Commencement	Sa	May 2
Spring Semester Grades Due (12:00 Noon)	M	May 4
Academic Review Board	W-F	May 20-22

\* Friday is reserved for make up if it is necessary for the University to cancel final exams on one of the other days.



# HISTORY AND INFORMATION

## HISTORY

Mansfield University traces its heritage back to 1857, when the Mansfield Classical Seminary opened. In 1862, Mansfield became a state normal school. In 1927, it became Mansfield State Teachers College, and in 1960, it broadened its degree offerings and became Mansfield State College. In 1983, it became Mansfield University. As a member of the Pennsylvania State System of Higher Education, Mansfield combines the best qualities of a small liberal arts college with the resources of a comprehensive university.

## MU FACTS

The campus consists of 174 acres and 39 buildings; multiple recreation areas, tennis courts, and playing fields; an indoor swimming pool, three auditoriums, a state-of-the-art library, a new fitness center, a new student union, and a new child care center.

### STUDENT ENROLLMENT

3338 enrolled in the fall of 2007: 2734 full-time and 604 part-time; 2172 female, 1166 male. Students come from 39 states and 16 foreign countries.

### STUDENT-FACULTY RATIO

The ratio is 16:1. Approximately 70% of our classes have fewer than 30 students; 39% have fewer than 20 students; and only 6% have 50 or more students. Average class size is 25 students.

### STUDENT FINANCIAL AID

More than 89% of undergraduate students receive financial assistance in some form. This includes federal, state, and institutional grants; a variety of loans and employment.

### FACULTY

We have 138 full-time faculty; 30% of these are full professors and more than 80% have Ph.D.s or other terminal degrees.

### PROGRAMS OF STUDY

We offer 6 two-year associate degree programs, 43 four-year baccalaureate programs in the liberal arts and professional studies, and 7 master's degree programs. We also offer 48 minors.

### SPECIAL OPTIONS

We offer multiple majors, a self-developed major, an honors program, internships, independent studies, individualized instructions, and study abroad opportunities.

### COLLEGE FINANCIAL DATA:

Our physical plant has a value of \$70,000,000 and our 2004-2005 operating budget was approximately \$52,000,000.

**ACCREDITATION**

The principal accrediting agencies for Mansfield University undergraduate programs are:

- The Middle States Association of Colleges and Secondary Schools
- The National Council for Accreditation of Teacher Education
- The National Association of Schools of Music
- The American Music Therapy Association
- The Council on Social Work Education
- Commission on Accreditation of Allied Health Programs (CAAHEP)
- The National League for Nursing Accrediting Commission
- JRC Joint Review Commission on Education in Radiologic Technology – Radiology –  
20 North Wacker Drive, Suite 900, Chicago IL 60606-2901
- The National Accreditation Agency for Clinical Laboratory Sciences
- Commission on Accreditation/Approval for Dietetics Association

**LOCATION**

With a population of 4,000, Mansfield borough is located in the mountains of Northern Central Pennsylvania at the intersection of U.S. 15 and U.S. 6. It is an area noted for its quality of life, safety, and numerous recreational opportunities. The university is 50 miles north of Williamsport, PA and 30 miles south of Corning, NY. Driving time from: Harrisburg, PA, 3 hours; Scranton, PA, 2 hours; Buffalo, NY, 3 hours; Binghamton, NY, 2 hours; Philadelphia, PA, 4 hours; Pittsburgh, PA, 5 hours; New York City, 5 hours. Daily bus service, north and south, connects all points in the northeast U.S.

**REGION**

The natural environment of the area provides numerous opportunities for outdoor recreation. These include hunting, fishing, skiing, camping, hiking, and water sports. The Pennsylvania Grand Canyon, located approximately 20 miles from our campus, and other local state parks provide many recreational opportunities for our students. Cultural attractions include the Clemens Center of Performing Arts in Elmira, NY; Corning Museum of Glass and Rockwell Museum of Western Art in Corning, NY.

**CULTURAL ACTIVITIES**

We offer a variety of cultural activities during the academic year. The Faculty Lecture and Film Series, Women's Art and Culture Week, and Global Issues Week are traditions at Mansfield, as well as recitals by music faculty and students throughout the year. Fiction and poetry readings as well as other cultural activities round out the University's cultural opportunities.

**LIBRARY FACILITIES**

Mansfield University has one of the newest and most electronically advanced libraries in the United States. The renovated six-story North Hall provides an elegant 19th century setting where you can access information from around the world through our computers and links to the Internet.

**RESIDENCE HALLS**

Four residence halls house approximately 1,800 students. Housing options include wellness floors, travel floors, 24-hour quiet areas, all smoke-free, and one building which houses females only.

**CALENDAR**

Our regular academic calendar consists of a fall semester which ends before Christmas and a spring semester ending in early May. We also offer three summer sessions from May through August.

## MISSION STATEMENT

Mansfield University is dedicated to providing an environment that promotes academic and personal growth as well as intellectual, ethical, and aesthetic values. The University serves the region, state, national and international communities by developing human and material resources. The University is committed to stimulating continuous pursuit of knowledge and understanding by students, staff, and faculty. To accomplish this mission, Mansfield University pledges:

- To provide a liberal education for all its students.
- To prepare students for full and purposeful lives through undergraduate and graduate instruction in liberal arts and professional programs.
- To plan, develop, implement, and measure its efforts in providing optimum learning opportunities for students of a variety of ages, backgrounds, and needs.
- To promote affirmative action and equal opportunity.
- To maintain a faculty dedicated to teaching and scholarship.
- To cooperate with other educational institutions for the achievement of mutual goals.
- To provide educational and cultural programs to the general community.
- To offer expertise in public service activities.

## THE MANSFIELD CREED

At Mansfield University, we develop leaders. We accomplish this by focusing on the four core values that have been our tradition since 1912: Character, Scholarship, Culture, and Service.

### **CHARACTER**

We believe in integrity. We act with honesty and respect toward others. We take responsibility for our actions and reflect on their impact on ourselves and others.

### **SCHOLARSHIP**

We believe in learning. We use rigorous, responsible, and critical inquiry to understand existing knowledge, acquire and share new knowledge, and apply what we learn. Each of us is both student and teacher.

### **CULTURE**

We believe in celebrating humanity. We enrich ourselves and others by sharing and exploring our similarities and differences. We honor the past as we invent the future.

### **SERVICE**

We believe in helping others. We work with others to improve the communities in which we now live and will touch in the future. Knowledge invests us with the power to improve our world and the responsibility to act.

Approved by Mansfield University's Cabinet June 8, 2004

In 1912, our Mansfield University student body first adopted the above values, emphasizing their order: "Character as the essential, Scholarship as the means, Culture as the enrichment, and Service as the end of all worthy endeavor." The current revision of the creed was developed by the Leadership Group of the Focus on Learning Forum and recommended to the Cabinet by the members of the Learning Forum.

## STATEMENT OF DIVERSITY

Graduates of Mansfield University participate in a world that has been enriched by knowledge, insights, and traditions of diverse peoples who live and work together. An academic community that values diversity by words and actions provides the best environment in which students can learn the social skills necessary to participate and flourish in our multi-cultural environment.

The Mansfield University Council of Trustees reaffirms the purpose of Mansfield University, as stated by President Simon B. Elliot in 1912, to strive to make education universal; that the rich and the poor, the child of those who have power and place, and of those who tread the lowly paths of life, shall receive alike the blessings of education invite equally and alike, without distinction of sex, or color, or race, or creed, or party, the children of all who may desire to participate in the opportunities here offered. That is the highest purpose for which Mansfield may be praised.



# ADMISSIONS

## REQUIREMENTS FOR ADMISSION

To be considered for admission to Mansfield University you must graduate from an approved secondary school or have obtained equivalent preparation (GED) as determined by the Credentials Evaluation Division of the Pennsylvania Department of Education. Admission to the University is granted to those applicants who successfully complete college preparatory secondary school work (grades 9-12). Credentials should also include a class rank in the upper three fifths of the graduating class and a satisfactory score on the Scholastic Aptitude Test (SAT) or the American College Testing Program exam (ACT). The SAT or ACT scores are not required if the applicant is 21 years or older or has been out of high school for two or more years.

## Recommended Preparatory Course Work

English	4 Credits
History or Social Studies	4 Credits
Laboratory Science (Bio, Chem)	2-3 Credits
Algebra, Plane Geometry, Algebra 2	3-4 Credits
Foreign Language	2-4 Credits
Electives (academic)	6 Credits
Total	21-25 Credits

## APPLICATION PROCEDURES

Contact the Admissions Office to receive an application, available online at: [mansfield.edu](http://mansfield.edu), for admission to the undergraduate programs. The Admissions Office begins accepting applications on July 1 following the student's junior year of high school. A complete application should include a \$25 non-refundable application fee as well as the following credentials:

1. An official high school transcript (an official copy must bear school seal and signature of an official).
2. An official copy of the Scholastic Aptitude Test (SAT) or American College Testing Program exam (ACT) results. Test scores reported on an official high school transcript are considered acceptable.

## DEADLINES FOR APPLICATION

Mansfield University has a rolling admissions policy. We encourage you to apply early. All applications are considered based upon academic credentials and space availability for the entry date requested. Once we receive all credentials and supporting documents, the Admissions Committee will notify you in a timely fashion. Scholarships and space in specific academic programs are also awarded on a rolling basis; therefore, it can be advantageous to apply early in the academic year.

## WHEN OFFERED ADMISSION

Applicants offered admission while still enrolled in high school/college are expected to maintain or improve upon the academic scholarship presented when the credentials are initially reviewed. Failure to maintain scholarship, as reflected on final official transcripts (including class rank, grade point average, and course/credits scheduled) may result in revocation of the offer of admission.

When you have been granted admission and fail to enroll, the offer of acceptance is valid for one year from the initial entry date, provided the academic credentials have not

decreased in the meantime. After one year you must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

The university reserves the right to establish or change admission standards as it deems necessary.

### **ADMISSION CATEGORIES**

If you meet the academic qualifications as outlined you will be offered admission to the university as a regular admit for the fall semester. Other admissions categories are described below.

### **EARLY DECISION**

Consideration for an early admission decision for fall entrance is given to candidates who meet prescribed academic requirements as demonstrated by their high school grades and junior year SAT/ACT scores. Those offered admission through this program also submit scores from a senior year examination of the SAT/ACT. Applicants who qualify for early decision are notified when we receive the completed application, application fee, official high school transcript, and junior year SAT/ACT scores.

An advance deposit must be paid within 30 days of the offer of admission to reserve a space in the incoming class.

### **DEVELOPMENTAL PROGRAMS**

If you show a potential for success in college but do not meet the regular requirements for fall acceptance, you may be considered for one of our developmental programs. You may not have completed the recommended high school course sequence or may require preparatory course work to polish your skills. Your high school credentials may rank below the university's minimum requirements but reveal potential for future success.

Students selected for participation in a developmental program must complete preparatory course work which is based upon diagnostic-placement results and receive tutoring and advising assistance. Upon successful completion of the program, students continue in a matriculated status. There are limited spaces for enrollment in these developmental programs.

### **EARLY STUDIES ADMISSION**

If you are a high school senior who meets our admission requirements and are interested in attending full-time in lieu of attending high school in your senior year, upon final approval and acceptance, you would be considered a first-time student at Mansfield University. All policies and procedures applicable to university first-time students apply. Should you select this option, you are responsible for obtaining permission from your high school administration/school board to attend Mansfield University in lieu of your senior year of studies within high school. We strongly recommend that you secure a written statement of approval as well as a statement assuring you that, upon successful completion of your first year of studies at MU and presentation of an official transcript of scholastic achievement, a high school diploma will be awarded by the high school of origin. Any specific course requirements which must be fulfilled during the first year of college studies to satisfy requirements for a high school diploma must be identified by the guidance counselor at the time of application.

You must file an application, submit official high school transcripts, standardized test scores, and a letter of recommendation, from the high school guidance counselor. The need to take any developmental course work in the basic skill areas of reading, writing, or mathematics will result in disapproval of the application.



In order to be eligible for federal financial aid consideration, a student in the early studies category must meet the following criteria:

- A student may NOT take any classes at Mansfield University that will be used to meet any high school graduation requirement. All high school coursework must have been completed prior to receiving any financial aid at the University.
- A letter from the high school guidance office confirming all coursework requirements have been met prior to University enrollment is required.
- Students planning to enroll at Mansfield University for their entire senior year of high school MUST provide a letter from the school district stating that the student will not be counted on the roster for reimbursement from their particular state.

### **NON-DEGREE STUDENTS**

High school graduates or those who hold a General Education Development (GED) certificate may choose this alternative route to take course work through the university without formally applying to the university and without taking the SAT or ACT tests.

Approval to take course work as a non-degree student does not imply or guarantee admission to the University or acceptance in a degree program, but it does offer flexible educational experiences for nontraditional students. This program enables individuals to enrich themselves, improve a particular skill for current or future employment, try college courses to see if they want to pursue a degree, or transfer credit to another institution.

Students may earn up to 30 credit hours, exclusive of developmental (0090) course work, and then apply these credits toward a degree program at Mansfield University. A maximum of 11 credit hours may be scheduled during each academic semester of attendance.

Students may elect to Audit Courses at Mansfield University.

The Enrollment Services Office strongly encourages students to meet with the Coordinator of Non-Degree Students to make specific plans for course work. The coordinator explains transfer credits if applicable and reviews curriculum requirements.

Non-degree students are required to meet the university's minimum academic requirements. Students who fail to meet those requirements at the end of a semester may be administratively disqualified and denied future enrollment at the discretion of the Provost or his designee.

Any student who is not a U.S. citizen must provide a current, valid visa and a TOEFL score (550 paper; 220 computer) or demonstrate English proficiency. For additional information contact the Enrollment Services Office at (570 ) 662-4814 or (800) 577-6826 or visit our website at <http://admissions.mansfield.edu/international.cfm>.

### **COLLEGE BOUND PROGRAM**

Our College Bound Program is for serious high school learners who know they will go to college, want to explore their potential for college work, or who want to study subjects not normally available in high school.

The College Bound Program provides opportunities on-campus, off-campus, and via distance education technologies for outstanding high school students to develop their academic potential by pursuing college course work. Students who participate in this program take liberal arts and/or science courses which are accepted at most colleges/universities in the U.S.

All academic courses meet departmental standards and earn Mansfield University credits. Students seeking approval to take course work through the College Bound Program must demonstrate potential for success at the college level.

Applicants must be recommended by their high school guidance counselor and demonstrate the ability to think critically and analytically. In recommending students for the College Bound Program, high school guidance counselors should use, but are not limited to the following guidelines: students who have pursued an academic curriculum in grades 9-12 and have demonstrated mastery of writing, mathematics, reading and study skills. College Bound applicants must also demonstrate maturity and social skills appropriate for success in college course work. Students who meet the requirements for the College Bound Program are approved to pursue course work under the category of a lifelong learner and are not admitted as matriculated students to the University.

An approved College Bound candidate is not typically eligible for financial aid. However, students approved to take course work as a College Bound Student have their application fee waived.

Students interested in the College Bound Program must submit a Non-Degree Student Application available online at <http://admissions.mansfield.edu/ps> or by phone at (570) 662-4818 or (800) 577-6826.

### **SENIOR CITIZENS PROGRAM**

Mansfield University offers a tuition waiver to senior citizens who are receiving Social Security retirement and are at least 62 years of age (or minimum age as defined by the Federal Social Security Administration). Senior citizens may register for courses offered in the fall, spring, and summer sessions. They may either audit the class or take the class for credit. Interested students complete a Senior Citizen Tuition Waiver form at the Student Accounts Office requiring proof of benefits (copy of monthly check or statement from the Social Security Office). Since only tuition is waived, students are charged the miscellaneous fees associated with the number of credits requested. For more information, contact the Admissions Office at (570) 662-4818 or (800) 577-6826.

### **VISITING STUDENT PROGRAM**

The Visiting Student Program allows students enrolled full-time at a Pennsylvania State System of Higher Education university to enroll at a sister institution for a limited period. If you wish to enroll at Mansfield University as a visiting student you must receive permission from your home university. You must have satisfactorily completed at least 27 credits at the home university and be in good academic standing. You may take a maximum of 18 credits in a single semester and up to 12 credits of summer work as a visiting student.

Applications for visiting student status are submitted to Mansfield University's Admissions Office for approval. The completed visiting student application (available from the home institution) provides verification of good academic standing. No further credentials are required for admission into the visiting student program at Mansfield University.

You should request a Mansfield University transcript be forwarded to the home campus after courses have been completed. Mansfield University assigns credits and grades in accordance with its own policies and procedures.

### **SPECIAL ART/MUSIC PROGRAM REQUIREMENTS**

Applicants for an art degree must satisfy general college admission requirements and present a portfolio of work to the Art Department for evaluation prior to formal acceptance into an art program. For further information contact the Art Department (570) 662-4500.

Applicants for a music degree, having satisfied the requirements for general college admission, must audition for acceptance into the music department. Acceptance is based upon a demonstration of both musical aptitude and accomplishment. For further information contact the Music Department (570) 662-4710.

## **TRANSFER ADMISSION**

Students are normally eligible for transfer admission if they have attained an overall 2.0 cumulative quality point average (QPA) at an accredited post-secondary institution. Exceptions are as follows: Social Work, 2.5 QPA; Nutrition & Dietetics, 2.5 QPA; Nursing, 2.7 QPA; Education, 3.0 QPA. Credit is awarded for college level courses completed in accredited colleges/universities. "Accredited" is defined to include accreditation by any of the seven regional accrediting bodies only, e.g. Middle States for this region. Credits presented from non-accredited colleges or universities are not eligible for transfer consideration.

Contact the Office of Admissions for a transfer application or visit our website at [mansfield.edu](http://mansfield.edu) to apply online. Transfer students submit the application along with official transcript(s) from all post-secondary institutions previously attended. All information is sent to the Transfer Coordinator in the Admissions Office. Mansfield University has a rolling admissions policy. All interested applicants are encouraged to apply early. Applications will be considered based upon academic credentials and space availability for the entry date requested.

Applicants who have earned fewer than 30 credits in college level work are required to submit an official high school transcript and an official record of the SAT or ACT. The SAT or ACT scores are not required if the applicant is 21 years or older or has been out of high school for two or more years.

Students approved for transfer to Mansfield University and enrolled at another institution are granted admission on a provisional basis until all records from the previous institution have been reviewed and finalized.

## **TRANSFER EVALUATION**

Following acceptance into the university, an evaluation of courses taken at previous institutions is made by the Transfer Coordinator in consultation with the chairperson of the student's major department.

Credits are evaluated on a course-by-course basis. Exceptions to this policy are specified in the State System of Higher Education Academic Passport for students transferring from Pennsylvania community colleges and transfer agreements between Mansfield University and many two year institutions. Currently, agreements exist with Bucks County Community College, Pennsylvania Highlands County Community College, Corning Community College, Harrisburg Area Community College, Keystone College, Lackawanna College, Lehigh-Carbon Community College, Luzerne County Community College, Pennsylvania College of Technology, and Reading Area Community College.

Actual grades and the quality point average (QPA) do not transfer from any previous institution; only the credits earned transfer.

The number of credit hours that transfer from another institution cannot be more than the number awarded for completion of course work at that college/university. For example, some institutions do not give credit for physical education courses. A student accepted from such an institution is considered to have met the physical education requirement at Mansfield for as many PE courses as taken previously, but no credit would be awarded. Similarly, Introductory Biology might carry three credits at another institution and three credits would be given in transfer for such course even though the equivalent biology at Mansfield is four credits. Furthermore, if a U.S. History course is four credits at another institution, four credits would be given in transfer even though U.S. History at Mansfield University is a three-credit course.

Because of the time sequence necessary to develop skills required by the music curriculum, music students are advised to transfer as early as possible. Otherwise, it becomes increasingly difficult to complete the curriculum within the normal four-year span of time.

Credits in the music area must be validated by examination before they are accepted for transfer. This is to insure that the student is capable of successfully completing the remaining required courses.

Transfer students seeking to appeal the equivalency and/or application of their transfer credits to a degree program may do so by submitting a request in writing, with supporting documentation, to the Executive Director of Enrollment Services, South Hall.

### **MAXIMUM HOURS ACCEPTED IN TRANSFER**

There is no limit on credits accepted from accredited four year colleges and universities. Mansfield University will not accept in transfer more than 67 semester hours of coursework from two-year junior or community colleges. Students must have earned a 2.0 GPA from prior institutions to be eligible for transfer. Transfer credit will be applied as appropriate to satisfy general education courses, courses required by the major, and elective courses. To earn a Mansfield University degree, students must complete 50% of their major courses at Mansfield University and must complete a minimum of 25% of the total degree credit requirements at Mansfield University. To complete a minor, 50% of minor requirements must be completed at Mansfield University.

### **READMISSION OF FORMER STUDENTS**

Any degree-seeking student who has not been in attendance during the previous semester must apply for readmission to the university through the Admissions Office.

The \$25 application fee is waived for students readmitting to the university.

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted, they must clear all outstanding university-related debts.

### **ACADEMIC AMNESTY**

The Academic Amnesty Policy is a means to allow certain students who have been separated from the University to return and not be unduly encumbered by their prior academic record. A student may be granted Academic Amnesty only once. Once granted, its conditions cannot be altered. Conditions for Academic Amnesty are as follows:

1. A student must be separated from the University for at least five years before being eligible for Academic Amnesty.
2. All grades for courses taken prior to the point at which Academic Amnesty is granted will remain on the academic transcript and academic history, but the cumulative OPA will be represented as "0.00".
3. Only those courses that reflect a grade of C or better and were earned at Mansfield University prior to readmission will count as semester hours earned toward graduation. Courses with grades of C- or less will not count toward graduation.
4. A student will be placed on probation for the initial returning semester.
5. A student must achieve a minimum quality point average of 2.00 by the end of the second semester. Failure to achieve the 2.00 minimum OPA will result in permanent dismissal from Mansfield University.

#### **Procedure:**

1. The student is evaluated for admission through the normal processing of the readmit application in the Admissions Office.
2. The student is referred to an advisor for review of academic standing.
3. The student submits a petition for Academic Amnesty to the Provost.

## **PRINCIPLES OF ENROLLMENT MANAGEMENT**

Mansfield University endorses enrollment management principles and reserves the right to limit the total number of first-time, transfer, and readmission students within specific degree programs as well as the total entering class each entry date. Official entry dates occur in the summer, fall, and spring each academic year. You may be offered admission to a waiting list based upon these principles. Assignment of confirmed spaces is made after a comprehensive review of academic credentials.

## **SUMMER SCHOOL**

Our Summer School program is designed to meet the needs of a variety of students. A wide range of educational opportunities include credit courses for undergraduates, non-degree and graduate students as well as workshops, ACT 48, travel abroad credit and non-credit courses, and seminars in the liberal arts, teacher education, and other fields of study. Summer courses include traditional in-classroom experiences as well as online courses.

Summer sessions are open to all students who have earned a high school diploma, GED or are part of our College Bound program.

Continuing university students, including new students, who wish to accelerate their program of study will find both general education and other courses in a variety of academic disciplines. Students from other colleges and universities may take courses through Mansfield University. They are advised to first ensure that their home institution will transfer credits earned.

Teachers and graduate students will find courses in the summer program to serve a variety of needs. They may enroll to complete requirements for permanent certification, take refresher courses in their field of specialization, to earn certification in a new field, or to take academic coursework to meet ACT 48 requirements.

Many Summer Session courses are available online. You can visit our website at [summer.mansfield.edu](http://summer.mansfield.edu) to view on and off campus courses and online offerings.

The policy regarding the number of credits for which a student may register during the summer sessions at Mansfield University is as follows: Students may not take more than six credits during either session (SU or SF), or more than 12 credits across the summer without the approval of the Dean of Faculty.

The Registrar's Office will be monitoring the number of credits registered and will be enforcing the policy. The student will be contacted to rearrange their schedule.

## **CENTER FOR LIFELONG LEARNING**

The Center for Lifelong Learning provides educational opportunities on-campus, online and at a variety of locations off-campus. The Center for Lifelong Learning is responsible for off-campus undergraduate and graduate courses and programs including all distance education and online course offerings. The Center for Lifelong Learning also offers the Adult Basic Education and GED programs, Law Enforcement & Certification Programs, Workforce & Economic Development, non-credit personal and professional development programs, camps, conferences, and facility usage.

## **DISTANCE EDUCATION**

Mansfield University offers opportunities for learning in a variety of settings. Recognizing the unique needs of learners, we have both online undergraduate and graduate courses and programs as well as videoconference courses. For further information contact Susan Sweet at 800-661-3640 or email [ssweet@mansfield.edu](mailto:ssweet@mansfield.edu).

## **VIDEOCONFERENCING**

Mansfield University delivers select undergraduate and graduate course work, workshops, career exploration opportunities, in-service programs and other educational programming through distance education technologies. Our distance education classrooms are equipped with videoconferencing equipment, which provides simultaneous interaction between two or more sites and the transmission of voice, data, and video. The videoconferencing systems deliver high quality audio and video. Coursework may be taken by students while in high school, by adults who plan to pursue a degree, by graduate students for in-service, graduate credits, or to meet ACT 48 requirements, and by individuals who are seeking innovative and creative course offerings for enrichment.

All academic course work offered through this technology meets academic departmental standards and earns Mansfield University credits. This technology enables students who are geographically remote to enroll in university courses and programs from accessible locations and at convenient times.

## **ONLINE COURSES**

Mansfield University also offers you the convenience and flexibility of taking online courses at the undergraduate and graduate level. Whether you are interested in enrolling in an online course or admitting to one of our online programs you have come to the right place. Online Learning at Mansfield University allows you the opportunity to pursue your education anytime/anywhere. To learn more about online courses at Mansfield University, call the Center for Lifelong Learning at (800) 661-3640 or e-mail us at [online@mansfield.edu](mailto:online@mansfield.edu). Students enrolling in online courses should refer to information on our website at [online.mansfield.edu](http://online.mansfield.edu).

All students registered for an online course must visit the Center for Lifelong Learning's website for critical information, resources available, and directions relative to responsibilities in taking a course online at Mansfield University. Website: [online.mansfield.edu](http://online.mansfield.edu).

## **PROFESSIONAL AND PERSONAL DEVELOPMENT**

Non-credit courses and workshops are designed for participants to learn new skills, keep current with changing technologies, explore career options and engage in enriching activities. Whether you are a young child, parent, or senior citizen the Center for Lifelong Learning has programs for you. For further information, contact Lindsey Sikorski, 570-662-4808, visit the website at [cll.mansfield.edu](http://cll.mansfield.edu), or email [lsikorsk@mansfield.edu](mailto:lsikorsk@mansfield.edu).

## **ONLINE NON-CREDIT COURSES**

The Center for Lifelong Learning offers non-credit programs through online education by Gatlin Education Services (GES). Students are able to take a variety of career training programs in Healthcare, Business, Internet & Design Programs, Networking Certification, Microsoft Certification, Construction & Automotive training, and Video Game Design and Development that may lead to certification or the skills necessary to complete certification tests. Students can also develop skills through short courses unavailable through the eLearning Center. Through Gatlin Education Services, the Center for Lifelong Learning provides opportunities for students and the community to register for open enrollment courses to further their personal & professional development. Coursework is completed independently, but instructors are actively involved in the student's online learning experiences. Gatlin Education Services courses give students the quality, as well as the convenience of anytime, anywhere learning. Visit our website at: [online.mansfield.edu](http://online.mansfield.edu) .

## **LAW ENFORCEMENT & CERTIFICATION PROGRAMS**

### **Municipal Police Training Academy**

Under PA ACT 120, this 750 hour training program is required to become a municipal police officer in the Commonwealth of Pennsylvania. Mansfield University is an approved school for the Municipal Police Officers' Education and Training Commission. Our Academy provides each cadet with the professional skills and knowledge necessary to become successful law enforcement officers. Our full time Academy enables cadets to accelerate their training. Our part time program allows cadets the opportunity to participate in our training program while attending college. Graduates of the Police Academy are also eligible to receive 19 college credits. For more information, visit [cll.mansfield.edu](http://cll.mansfield.edu) .

### **Lethal Weapons Training**

PA State Act 235 requires that any person who is privately employed and required as a condition of employment to carry a lethal weapon must be certified. This 40-hour training program will enable you to become employed as a security guard, armored truck guard, alarm response guard, night watchperson, and security guard. For more information regarding Lethal Weapons Training, visit [cll.mansfield.edu](http://cll.mansfield.edu) .

### **Constable Training**

Mansfield University offers six components of Constable Training: Basic Training, Continuing Education, Basic Firearms, Annual Firearms, Advanced Firearms, and Optional Training. The Basic Training is open to those who are seeking to become a Constable as well as those already holding the office of Constable or Deputy Constable. For more information, visit [cll.mansfield.edu](http://cll.mansfield.edu)

For more information about these law enforcement programs contact Barbara Corrigan at 570-662-4866/4974, 800-661-3640 or by email at [bcorriga@mansfield.edu](mailto:bcorriga@mansfield.edu).

## **ADULT BASIC EDUCATION**

The Center for Lifelong Learning's Adult Basic Education programs promote and support learning by offering free classes and/or tutors to all who need help in obtaining their educational goals. Classes include Adult Basic Education, GED, English as a Second Language, and computer aided instruction.

All classes and books are free, open to the public, and are not based on income. Classes are conveniently located throughout Tioga County. For further information contact Cyndi Compton at 570-662-4746 or 800-661-3640, visit the website at [cll.mansfield.edu/AdultBasicEd.cfm](http://cll.mansfield.edu/AdultBasicEd.cfm) or email [ccompton@mansfield.edu](mailto:ccompton@mansfield.edu).

The Center for Lifelong Learning administers the GED test. For information on test dates, location, and cost of test, contact the Center for Lifelong Learning by calling 800-661-3640 or 570-662-4971 .

## EXPENSES

This information is based on student charges for the 2007/2008 academic year. Tuition and fees for 2008/2009 are finalized after this catalog is printed. Therefore, this information is subject to change without notice. We include this information so students and their families can estimate expenses.

### ADMISSION FEES (NON-REFUNDABLE)

Application Fee	\$ 25
Students applying for admission or readmission pay this fee when submitting their application.	
Advance Deposit	\$220
Required upon acceptance of the offer of admission. It is transferable to a revised admission date within one year upon the approval of the Director of Admissions.	

### TUITION (PER SEMESTER)

	Residents of Pennsylvania	Residents of Other States	*Good Neighbor
<b>FULL-TIME UNDERGRADUATE</b>			
12-18 credits	\$2588.50	\$6472	\$4272
<b>FULL-TIME GRADUATE</b>			
9-15 credits	\$3107	\$4972	\$4972
<b>PART-TIME UNDERGRADUATE</b>			
under 12 credits			
over 18 credits	\$216/cr	\$539/cr	\$356/cr
<b>PART-TIME GRADUATE</b>			
under 9 credits			
over 15 credits	\$345/cr	\$552/cr	\$552/cr

\*New York residents are considered Good Neighbors and are eligible for a reduced undergraduate tuition rate. New York residency requirements will follow the same basic criteria used in determining PA residency.

**Note:** Students taking a combination of undergraduate & graduate credits are charged at the course level and will not be combined for the full-time basic fee rate. Undergraduate tuition costs are reduced for graduate students who qualify as a Good Neighbor.

### Online Course Tuition Rate:

Online courses (section 190-199) have a discounted non-resident tuition rate of \$356 per credit for undergraduate courses and \$518 per credit for graduate courses.

### Audit fee:

Part-time, non-degree seeking students and residents of the region may audit a course for \$50 with the permission of the course instructor.



**Senior Citizen Tuition Waiver:**

PA Residents aged 62 or over and receiving social security benefits may enroll in university undergraduate on campus courses if space is available with no tuition charge. Summer session tuition is charged at the per credit rate.

**HOUSING/RESIDENCE HALL STUDENT FEES (per semester)**

Double Room	\$1955
Private Room	\$2933
Mini-Single	\$2444
Senior Single	\$1955

Requests for a private room are processed by the Housing Office, 120 Pinecrest, and are granted on a space available basis. Payment does not guarantee a private room.

**MEAL PLANS:**

19 meals (\$225 flex)	\$1297
14 meals (\$225 flex)	\$1163
10 meals (\$225 flex)	\$1072
175 meal block (\$225 flex)	\$1070
75 meal block (\$225 flex)	\$810
Flex Only	\$50**

\*\*off campus/commuter students only

Flex dollars are built into each meal plan and may be used as cash at any dining location. You may buy additional flex dollars in increments of \$25. Unused flex dollars are carried over from fall to spring semester. Unused flex dollars at the close of the spring semester are forfeited.

Room rates include telephone service (does not include toll charges). Linens and pillows are not provided.

All residence hall students must use dining services. Dining fees are assessed regardless of whether or not dining services are actually used.

All new residence hall students are automatically charged with the 14 meal plan. Requests to change to the 19 meal plan must be made by August 1. Changes to original dining selections are not permitted after the semester begins.

Dining exemption forms for medical reasons are available at the Residence Life Office and must be initiated before the beginning of a semester. Dining charges are assessed until approval for an exemption is granted.

All degree-seeking students with less than 90 credits are required to live on campus unless they are commuting from home. Approval to move out of the residence halls must be obtained from the Director of Residence Life, 120 Pinecrest.

**TECHNOLOGY FEE**

This fee is paid by all students specifically to increase the investment in instructional technology.

\$87.50	Full Time Res. Undergrad 12+ cr. Full Time Res. Graduate 9+ cr.
\$43.00	Part Time Res. Undergrad 1-11 cr. Part Time Res. Graduate 1-8 cr.
\$132.00	Full Time Non Res. Undergrad 12+ cr. Full Time Non Res. Graduate 9+ cr.
\$65.00	Part Time Non Res. Undergrad 1-11 cr. Part time Non Res. Graduate 1-8 cr.

**COMMUNITY BUILDING FEE**

This fee is paid by all students to support the operating costs and debt service for the Student Center.

**UNDERGRADUATE**

1 to 6 credits	\$23.00
7 to 8 credits	\$46.00
9 or more credits	\$92.00

**GRADUATE**

1 to 5 credits	\$23.00
6 to 8 credits	\$46.00
9 or more credits	\$92.00

**EDUCATION FEE**

This fee is paid by all students to support high-cost programs, labs, and academic equipment.

Full-time Undergraduate (12+ credits)	\$258
*Part-time per credit (less than 12 credits)	\$21/cr
Full-time Graduate (9+ credits)	\$434
*Part-time per credit (less than 9 credits)	\$48/cr
*Per credit rate not to exceed full-time rate per semester.	

**HEALTH FEE**

Primary medical care is provided to registered full-time and part-time students while the university is in session.

**Undergraduate**

7 to 11 credits	\$15.00
12 credits and over	\$30.00

**Graduate**

7-8 credits	\$15.00
9 credits and over	\$30.00

**FITNESS CENTER FEE**

All undergraduate, degree-seeking students are assessed this fee to support the debt service and operating costs of the fitness center.

<b>Undergraduate</b>		<b>Graduate (optional)</b>	
1 to 6 credits	\$36.50	1 to 5 credits	\$36.50
7 to 11 credits	\$73.00	6 to 8 credits	\$73.00
12 credits and over	\$146.00	9 credits & over	\$146.00

**STUDENT ACTIVITY FEE**

This fee was established by the Student Government Association to support student activities.

<b>Undergraduate</b>		<b>Graduate (optional)</b>	
7 to 11 credits	\$131.25	6 to 8 credits	\$131.25
12 credits and over	\$262.50	9 credits & over	\$262.50

## OTHER FEES

### DEFERRED PAYMENT FEE

Students may defer payment up to one-half of the balance due for six weeks after the first day of the semester. The balance due is defined as the total fees for the current semester, less approved financial aid. Nonpayment of the full balance due incurs the \$50 fee.

### LATE PAYMENT CHARGE

A Late Payment charge will be assessed if a student's account balance (net of approved financial aid) is not paid in full at the end of the semester deferred payment period (six weeks from the start of the semester). The amount of the Late Payment charge is proportional to the account balance as described in the following table.

Account Balance Due (AB)	Late Payment Charge
AB = \$100	0
\$100 < AB = \$1,000	\$10
\$1,000 < AB = \$2,500	\$25
\$2,500 < AB = \$5,000	\$50
\$5,000 < AB =	\$75

### RETURNED CHECK FEE

A \$25 fee is charged for each check returned by the bank.

### CERTIFICATION FEE

Teacher certification applications are processed in the Enrollment Services Office. \$40 (Money Order only)

### CREDIT BY EXAMINATION FEE

One third of the undergraduate fee per credit must be paid and approval received from the Provost before taking the examination. (per exam)

### PARKING DECAL FEE

This fee is for a permit valid from September through August.

Commuter Student	\$25
Resident Student	\$50

### TRANSCRIPT FEE

There is a \$5.00 per copy fee for official or unofficial transcripts. This fee is due in advance prior to the processing of the transcript. The fee includes the cost of postage for first class mail. Any priority mailing is at the expense of the requestor. All delinquent obligations must be cleared prior to the release of an official transcript.

### EXAM/TEST FEES

Contact The Career Development Center for information about the following tests and fees: Miller Analogies Test; Graduate Record Exam (GRE); and the Praxis Series - Professional Assessment for Beginning Teachers. Information regarding the Scholastic Aptitude Test (SAT) and the College Level Examination Program (CLEP) may be obtained from the Admissions Office.

**REFUNDS & ADJUSTMENTS OF CHARGES**

The following information is subject to change without notice.

**WITHDRAWAL FROM THE UNIVERSITY (OR ALL COURSEWORK)**

Tuition, housing, and miscellaneous fees are adjusted for all students according to the refund schedule. Dining adjustments are pro-rated on a weekly basis.

First day of class	100%
First week	90%
Second week	80%
Third week	70%
Fourth week	60%
Fifth week	50%
Sixth week	No Refund

Tuition and miscellaneous fees will be adjusted at 100% through the drop period. There is no fee adjustment for course withdrawals. All requests for refunds should be in writing to the Student Accounts Office.

**FINANCIAL OBLIGATION**

Failure to meet your financial obligation by the due dates may result in classes cancelled, future registrations blocked, and transcripts withheld. The minimum amount required to confirm your registration is your total charge, LESS financial aid, DIVIDED by two, PLUS any beginning balance. Payment of the minimum amount due will allow you to defer the remaining balance due for six weeks. Failure to make full payment will automatically incur a deferred payment fee of \$50.

**TUITION MANAGEMENT SERVICES PAYMENT PLANS**

Mansfield University partners with Tuition Management Services (TMS) to offer students alternative payment plan options. TMS works directly with families allowing students to pay tuition and fees, interest free, for the entire academic year over a ten month period, beginning in June. Simply call 1 800-722-4867 or visit [www.afford.com](http://www.afford.com) for further information.

**DELINQUENT ACCOUNTS**

You are not permitted to register for course work, receive a diploma, or obtain official transcripts until all overdue accounts have been paid. Delinquent accounts may be assessed collection costs for in-house or collection agency assignment. Students requesting transcripts are encouraged to pay any outstanding balance by money order or cashier's check to avoid a two-week clearing period on personal checks.

**RESIDENCY**

As a student, you are classified as a Pennsylvania resident for tuition purposes if you have a Pennsylvania domicile.

Domicile is the place where you intend to and do permanently reside. Because the determination of whether you intend to reside indefinitely in Pennsylvania is subjective, documentary evidence, statements from disinterested persons, and the presumptions set forth below are considered:

- a. Continuous residence in Pennsylvania for a period of 12 months prior to registration as a student at an institution of higher education in Pennsylvania creates a presumption of domicile. A student is presumed not to be a domiciliary if he/she has resided for a shorter period before attending an institution of higher education, but the student may rebut this presumption by clear and convincing evidence.

- b. Students who are not United States citizens and have nonimmigrant visas or lack a visa are presumed not to be domiciled in Pennsylvania, but they may rebut this presumption by clear and convincing evidence.
- c. A minor is presumed to have the domicile of his or her parents or guardian. The age of majority for establishing a domicile for tuition purposes is 22. However, a minor may prove financial emancipation and thereby prove Pennsylvania domicile through clear and convincing evidence.
- d. A United States government employee or a member of the armed forces who was domiciled in Pennsylvania immediately preceding entry into government service and who has continuously maintained Pennsylvania as his or her declared legal residence shall be presumed to have a Pennsylvania domicile. Nonresidents stationed in Pennsylvania for military service shall be deemed Pennsylvania domiciliaries.
- e. A student receiving a scholarship, loan or grant, dependent upon maintaining domicile in a state other than Pennsylvania is presumed to be domiciled in the state from which he/she is receiving financial aid.

A student may challenge his/her residence classification by submitting a written appeal to the controller. If the student is not satisfied, the decision may be appealed in writing to the Office of the Chancellor, State System of Higher Education, within 30 days. The decision of the chancellor is considered final. The effective date of any reclassification resulting from the students challenge is determined by the controller based on when the petition was filed. A student who changes domicile from Pennsylvania to another state must promptly give written notice to the University.

New York residents are considered “Good Neighbors” and are eligible for a reduced undergraduate tuition rate.



## FINANCIAL AID

The Financial Planning and Financial Aid Offices provide information and assist students and their families in meeting college expenses. We inform students of application procedures and deadlines, types of aid available, eligibility requirements, and other pertinent data.

As a state university, our tuition is substantially lower than many other colleges. However, the combination of college expenses still requires financial aid for many students. While we help in any way we can, the basic financial responsibility for a college education continues to rest with the student and his/her family.

Matriculation at Mansfield University is by semester. As a student you are expected to meet the expenses of the upcoming term without assistance unless such aid has been previously arranged and confirmed. Mansfield University participates in the major federal and state financial aid programs. There are three forms of aid: grants, loans, and college work study (part-time employment). Grants include the Federal Pell grants, the Pennsylvania state grant, the Federal Supplemental Educational Opportunity Grant, as well as institutional and private grants. Loans include the Federal Stafford Loans, the Federal Perkins loans, and the Federal Plus Loan for parents of undergraduate students. In addition, students may borrow additional funds should they wish to do so through the Alternative Loan Program. Federal work-study (part-time campus employment) is funded by federal dollars and is awarded to students with demonstrated financial need. Non-need based institutional work-study is also awarded.

We emphasize the following points:

1. File for financial aid immediately upon confirmed admission to Mansfield University.
2. To apply for aid, file the Free Application For Federal Student Aid (FAFSA) and the institutional application (for freshman).
3. The important deadlines for financial aid are March 15 for new students and currently enrolled students. PHEAA has a deadline date of May 1 for the PA state grant program.
4. Identify Mansfield University (003324) as an institution of choice on the FAFSA application.
5. You are considered a sophomore with 30-59 credits, a junior with 60-89 credits and a senior with 90 or more credits. This is important for Federal Stafford Loan purposes.

Students and parents may call the Financial Aid Office at (570) 662-4129 with questions at any time. We are here to help you. In addition, new students may want to contact the Financial Planning Office regarding scholarships or for assistance with the FAFSA at (570) 662-4878.

### **SATISFACTORY ACADEMIC PROGRESS AT MANSFIELD UNIVERSITY**

To continue receiving financial aid at Mansfield University, you are required to make satisfactory academic progress toward the educational objective that you have chosen. If you do not maintain satisfactory academic progress, you will be ineligible for further financial assistance - at least until you are making satisfactory academic progress once again. Financial assistance includes: Federal Pell grant, FSEOG grant, Federal Work-Study, PHEAA grant, Federal Perkins loans, Federal Stafford subsidized and unsubsidized loans, Federal PLUS loans, and other grant, scholarship, and loan programs that require satisfactory academic progress.

There are two standards you must meet to maintain satisfactory academic progress: a quantitative standard and a qualitative standard. Each standard is explained in the next section. It is very important that you understand and meet these standards; otherwise you could lose some or all of your financial aid.

### Quantitative Standard

At Mansfield University, the quantitative standard measures the number of credit hours you attempt (including courses you registered for but did not complete, courses you withdrew from, courses you failed, or courses you otherwise did not complete) versus the number of credit hours successfully completed (courses for which you received a passing grade). This quantitative standard of credits attempted and credits completed is checked for all students (who attempt at least six semester hours) at the end of each spring semester.

Courses evaluated as complete and which earn credit toward this quantitative standard are graded: A through D-, P (pass), or S (satisfactory). The credits earned in such courses count toward the quantitative standard as long as they are courses for which the student has not already received credit. For example, replacing a D grade (and 3 credits) with a C+ grade improves your overall GPA, but it does not add a new three credits to your total of credits earned.

Courses which do not earn credit toward the quantitative standard are: F, U (unsatisfactory), W (withdraw), I (incomplete), or courses you have already received credit for previously.

At the end of each spring, you must have earned the minimum number of new credits based upon your enrollment status in order to maintain your financial aid eligibility. The table below shows the number of credits required for each enrollment status.

Your enrollment status can be any one of the following:

Status	Code	Credits enrolled Per Semester	Credits Completed Per Semester	Annual Credits to be completed
Full-time	FT	12 credits or more	12	24
Three-quarter-time	QT	9 – 11 credits	9	18
Half-time	HT	6 – 8 credits	6	12
Less than half-time	LH	3 - 5 credits	3	6
Not enrolled	NE	0 credits		

Please note that quantitative standards are reviewed on a semester status based on the number of attempted credits. It is important to understand the enrollment status, i.e. full-time or part-time to determine the number of credits that must be completed. For example if you were enrolled as follows:

		Credits enrolled	Credits required to be completed
Fall	Three-quarter-time	11	9
Spring	Full-time	15	12
Minimum number of credits completed to meet Quantitative standards			21

Quantitative standards are reviewed in May of each year for the previous fall and spring semester.

If you have not completed the minimum number of credits by the end of spring, you must make up the number you are short during the summer semester to be eligible again for aid in the fall.

It is the student's responsibility to notify the Financial Aid Office if credits were made up during the summer. If the credits were made up at an institution other than Mansfield University, it is the student's responsibility to notify the Financial Aid Office and provide the necessary transcripts to the Registrar. Failure to do so will result in the cancellation of your aid for the fall semester, or any semester thereafter until the necessary credits have been made up. This standard applies regardless of the amount of time you have been out of school.

**Qualitative Standards**

Unlike the quantitative standard which is reviewed once a year (after the spring semester), the qualitative standard is monitored each semester by the Registrar's Office. The financial aid qualitative standard is directly related to your Quality Point Average (QPA) and is consistent with Mansfield University's Minimum Academic Standards. You are required to earn a QPA at or above the following minimum standards.

Credits Attempted (including transfer hours)	Minimum QPA required
0-16	1.20
17-30	1.40
31-45	1.60
46-60	1.80
61+	2.00

If your QPA falls below 2.00, you are placed on academic probation until your QPA is at least 2.00.

If your QPA is below the minimum required QPA at the end of any semester, you will be dismissed from the University and become ineligible for financial aid.

If you are reinstated your qualitative standards are not considered to have been waived by the Financial Aid Office. You must complete the necessary hours without financial assistance in a subsequent semester before you can receive financial aid again (regardless of qualitative reinstatement).

**Maximum Time Frame to Complete Your Program**

You are allowed 150% of the published length of your educational program for completion. This applies regardless of how many times you change majors. This generally means a maximum of 180-192 hours attempted for most 4-year bachelor degree programs (120-128 hours x 150%) and 90-96 hours attempted for most 2-year associate degree programs (60-64 hours x 150%). Programs with different number of hours are calculated in similar ways.

**Waiver and Reinstatement**

For quantitative measures, you can be reinstated by making up the number of credits you are short without the assistance of financial aid. You can earn these needed credits at Mansfield University or any other accredited postsecondary institution. This is the preferred manner of reinstatement. If extenuating circumstances led to your failure to complete the necessary quantitative requirements, you may appeal in writing for a waiver of the quantitative standards to the Director of Financial Aid.

For qualitative measures, the Financial Aid Office follows University policy. If a dismissal is appealed and subsequent re-admittance to the university is granted, your qualitative standards are not considered to have been waived for federal student aid purposes. An appeal must be made in writing, with adequate supporting documentation, to the Director of Financial Aid. It is possible to be reinstated to the university but not have your financial aid reinstated.



Students are limited to two appeals during the course of their enrollment at the University. Students who have already submitted two appeals must meet with the Director of Financial Aid before further appeals will be considered.

### **Additional PA State Grant Policies**

In addition to the policies stated above, the Pennsylvania Higher Education Assistance Agency (PHEAA) lists the following policies relating to Satisfactory Academic Progress for the State grant program:

1. PA residents are normally limited to 8 full-time equivalent semesters of PHEAA grant eligibility (including summer grants), except for bonafide 5-year programs.
2. To be eligible for a PA State grant, the quantitative standards are applied only for credits for which aid was received.
3. Repeat courses: If you repeat a course passed in an earlier term, it may be counted to raise your enrollment status (to full-time or half-time), but it will not be counted in satisfactory progress toward the minimum quantitative standard for yearly evaluation purposes.

### **VETERANS BENEFITS**

Eligible students may qualify for Veterans Educational Benefits as well as financial aid. The application procedure for financial aid is the same as that outlined for any regular student. Students may qualify for Veterans Educational Benefits through several different programs run by the Veterans Administration. These forms are available through the Veterans Certifying Official, Room 134, Alumni Hall. In addition, PA Veterans who are honorably discharged may be eligible for a PA State Grant for up to 80% of their annual tuition provided they apply by May 1 each year.

### **FEDERAL GRANT PROGRAMS**

#### **Federal Academic Competitiveness Grant (ACG)**

To receive an ACG, the student must be a first or second year full-time undergraduate, have completed secondary school after January 1, 2005, be a U.S. citizen, have completed a rigorous secondary school program of study and be receiving a Federal Pell Grant during the same semester.

#### **Federal Pell Grants**

The Federal Pell Grant is for students pursuing their first undergraduate degree. The award amounts can vary depending on eligibility and are subject to change annually. To apply, complete a Free Application for Federal Student Aid (FAFSA).

#### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

The Federal Supplemental Educational Opportunity Grant (FSEOG) is for undergraduate students with exceptional financial need and you must qualify for a Federal Pell Grant. Funding is very limited in this program, therefore, the Free Application for Federal Student Aid (FAFSA) must be received and processed by the Federal Student Aid Programs by March 15, 2006 to be considered for this grant.

#### **National SMART Grant**

To receive a National SMART Grant, a student must be a U.S. citizen, be a full-time student in their third or fourth year of an undergraduate degree program, be receiving a Federal Pell Grant and be pursuing a major in physical, life or computer sciences, mathematics, technology, engineering or a critical foreign language.

## STATE GRANT PROGRAMS

**The Pennsylvania Higher Education Assistance Agency (PHEAA)** provides State Grants to help Pennsylvania residents with financial need attend approved institutions of higher education. PA State Grants are available to both full and part-time students.

Grant recipients are expected to work during the summer to assist in meeting expenses and parents are expected to contribute according to their ability. Grant size depends upon educational expenses, family size, and family resources.

PHEAA Grants are subject to annual review and may change from year-to-year. Renewal depends upon satisfactory academic standing, continued financial need, and the availability of funds. Applications (Free Application for Federal Student Aid) may be obtained from high school guidance officers, the Financial Planning Office or the Financial Aid Office. The application deadline is May 1.

## STUDENT EMPLOYMENT PROGRAMS

Federal College Work-Study is a federally funded program awarded to students who demonstrate a financial need. It pays minimum wage, and a student cannot work more than 20 hours per week. In fact, most students work an average of 7 - 10 hours per week. The employment opportunities on campus include administrative areas, student center, athletics, the library, academic areas, security, laboratory assistant, etc. To apply, complete the FAFSA.

Institutional Work-Study is a Mansfield University funded program. It differs from the Federal College Work-Study Program in that a student does not have to show a demonstrated financial need in order to work. The pay rate, once again, is minimum wage and students cannot exceed 20 hours of work a week. To apply, complete a Free Application for Federal Student Aid (FAFSA).

## LOAN PROGRAMS

**Federal Perkins Loans.** This program is for students who are enrolled at least half time (six credits) and need a loan to meet their educational expenses.

Maximum loans are \$4,000 per year for undergraduate students and \$6,000 per year for graduate students. In an effort to extend the funds to assist as many students as possible the average Perkins Loan is in the \$1,000-\$2,000 range per academic year. Repayment begins nine months after leaving school with up to 10 years to repay. During the repayment period, five percent interest is charged on the unpaid balance of the principle. To apply, complete a Free Application for Federal Student Aid (FAFSA).

**Federal Subsidized Stafford Loan.** These funds are made available by participating lenders to students who demonstrate financial need for the loan. The loan is interest free while the student attends school on at least a half-time basis. Mansfield University determines your eligibility after careful review of the Free Application for Federal Student Aid (FAFSA).

Your loan will be certified electronically and you will need to complete and sign a Master Promissory Note if you are a first time borrower. The Master Promissory Note is intended to be valid for 10 years; you should only be required to sign one note.

To be eligible, you must be enrolled at least half-time (six credits) and meet financial need requirements. The maximum loan for an undergraduate ranges from \$3,500 to \$5,500 a year. Total loans may not exceed \$23,000 for dependent undergraduates and \$46,000 for independent undergraduates. The variable interest rate may not exceed 8.25%.

Repayment normally begins six months after leaving school with up to 10 years to repay. The monthly repayment amount depends upon the size of the debt and ability to pay. In most cases repayment must be at least \$50 per month unless circumstances agreed upon by the lending institution warrant a lesser amount.

**Federal Unsubsidized Stafford Loan.** This loan is similar to the Federal Subsidized Stafford Loan program; however, you do not need to have a demonstrated financial need. Interest does accrue on the loan while the student is in school. Students may pay the interest quarterly or capitalize the interest upon repayment.

**Federal Parent Loan for Undergraduate Students (PLUS).** This program allows parents to borrow from a participating lender for their undergraduate student. A parent can borrow the difference between the cost of education minus any other financial aid received.

Parents have the option of the PLUS Master Promissory Note. Like the Stafford Loan MPN, the note is good for 10 years; however, parents are required to sign a new note for each dependent student.

The parent usually begins repayment of interest and principle within 60 days of loan disbursement although various forbearance options are available.

As of July 1, 2006, eligible graduate students may receive Federal PLUS Loans. Like parent PLUS borrowers, Grad PLUS borrowers will undergo a credit check before borrowing and will enter repayment on the date of the final loan disbursement. An eligible graduate student can borrow the difference between the cost of education minus any other financial aid received.

**Additional loan options.** Credit-based alternative loans for educational expenses are also available. Various programs offer competitive interest rates, flexible repayment schedules and differing co-signer requirements. If you are interested in an alternative loan, you can contact the lender directly or the Financial Aid Office for additional information, a comparison chart and application materials.

## **FINANCIAL AID AWARDS AND GRANTS**

Approved Title IV aid is paid on account within the first four weeks of the semester. Aid will be paid bi-weekly thereafter. Loan checks are credited upon endorsement or when funds are electronically received.

### **Academic Year Definition**

Mansfield University's academic year is a period that contains 30 weeks of instructional time during which a full-time student is expected to complete at least 24 semester hours. The academic year is further described as a Scheduled Academic Year (SAY) that starts at the beginning of fall semester and ends on the last day of the spring semester. The summer sessions are designated as "trailer" terms which follow the SAY.

## **RETURN OF TITLE IV FEDERAL STUDENT AID POLICY**

Mansfield University is required by federal statute to recalculate federal financial aid eligibility for students who withdraw, drop out, are dismissed, or take a leave of absence prior to completing 60% of a payment period or term. The federal Title IV financial aid programs must be recalculated in these situations.

If a student leaves the institution prior to completing 60% of a payment period or term, the financial aid office recalculates eligibility for the Title IV funds. Recalculation is based on the percentage of earned aid using the following Federal Return of Title IV funds formula:

Percentage of payment period or term completed = the number of days completed up to the withdrawal date divided by the total days in the payment period or term. (Any break of five days or more is not counted as part of the days in the term.) This percentage is also the percentage of earned aid.

Funds are returned to the appropriate federal program based on the percentage of unearned aid using the following formula:

Aid to be returned = (100% of the aid that could be disbursed minus the percentage of earned aid) multiplied by the total amount of aid that could have been disbursed during the payment period or term.

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student would be required to return a portion of the funds. Keep in mind that when Title IV funds are returned, the student borrower may owe a debit balance to the institution.

If a student earned more aid than was disbursed to him/her, the institution would owe the student a post-withdrawal disbursement which must be paid within 120 days of the student's withdrawal.

The institution must return the amount of Title IV funds for which it is responsible no later than 30 days after the date of the determination of the date of the student's withdrawal.

Refunds are allocated in the following order:

- Unsubsidized Federal Stafford Loans
- Subsidized Federal Stafford Loans
- Unsubsidized Direct Stafford Loans (other than PLUS loans)
- Subsidized Direct Stafford Loans
- Federal Perkins Loans
- Federal Parent (PLUS) Loans
- Direct PLUS Loans
- Federal Pell Grants
- Academic Competitiveness Grant (ACG)
- National SMART Grant
- Federal Supplemental Educational Opportunity Grants (FSEOG)
- Other assistance for which a return of funds is required (e.g. LEAP)

### **REFUND ALLOCATION POLICY**

Refunds allocated to a particular program will not exceed the aid originally awarded to a student in that particular program.

A release form must be signed to authorize the University to apply Title IV funds to charges beyond tuition and fees. The release may be rescinded at any time by submitting a written request to the Student Accounts Office. Rescinded authorizations are not retroactive.

# Scholarships and Awards

## Scholarships

**Entering students:** All entering students who are regularly admitted to the university are automatically placed into the scholarship review process. A special scholarship application is not required. Students are reviewed on a rolling basis based on acceptance to Mansfield University.

**Continuing Scholar/Returning student/Department Scholar/Sophomore Scholarship:** Scholarship deadline is March 15th, and a scholarship application is available through the Office of Financial Planning, 134 Alumni Hall. A portfolio of different scholarships by the Mansfield Foundation for returning students. Students must complete a Returning Student Scholarship Application and provide a supporting essay as well. Awards are determined by University Scholarship Committee.

The following scholarship opportunities are available for both entering and returning students. Unless otherwise noted, all scholarships are awarded through the Scholarship Committee. Some of the awards may not be given on an annual basis, and these are noted in the description of each scholarship.

### **AFSCME Scholarship**

This scholarship is presented to a full-time student who has completed 12 credit hours and has achieved a minimum cumulative grade point average of 2.5 on a 4.0 scale. Financial need is also a consideration. Preference is given to a local 2363 bargaining unit employee, dependent or spouse. The award is \$1000 per academic year, non-renewable. The recipient is selected by the Scholarship Committee.

### **All Residence Hall Council Scholarship**

This scholarship is presented to upper class students who reside on campus and demonstrate academic achievement and involvement in residence hall activities. The amount of each award is \$1000 for the academic year, non-renewable. The recipient is selected by the Scholarship Committee.

### **APSCUF Book Scholarship**

This scholarship is presented to a freshman who demonstrates academic achievement. It is a \$500 award given as a credit at the University Bookstore, non-renewable. The recipient is selected by the Scholarship Committee.

### **APSCUF Freshman Scholarship**

One scholarship is presented to a union member or child of a union member, based on academics and strong union affiliation. The other scholarships are open to all entering freshmen and are based on academic achievement. Both scholarships are \$1000, non-renewable, and the recipients are selected by the Scholarship Committee.

### **Joseph C. and Lois E. Weir Ashkar Scholarship**

This scholarship is presented to a student pursuing a degree in secondary teacher education and has completed registration for student teaching for either the fall or spring of the following year. The recipient must be a undergraduate with senior standing at the time of the award, have a minimum 3.2 grade point average in major, exhibit leadership qualities and participate in campus or community organizations, and

write a position paper on the importance of character in the committed teacher. The Education and Special Education Department will select the recipient and forward the choice to the Scholarship Committee.

### **Shirley Sandrock Barnhardt and Robert A. Barnhardt Scholarship**

This scholarship is presented to an entering freshman majoring in secondary education, first preference given to math and English. The recipient must be in the top fifth of their high school graduating class, obtain a minimum SAT score of 1200, and participate in scholastic and community organizations along with leadership potential. The scholarship is \$1,500 and may be renewed if a 3.0 GPA is maintained. The Education Department Scholarship Committee selects the recipient.

### **Rhoda Bartell Music Scholarship**

This scholarship is presented to an entering freshman with a double reed major. The student must be full-time and maintain a 2.5 cumulative grade point average on a 4.0 scale. This is a \$1000 award, non-renewable. The recipient is selected by the Music Department Scholarship Committee upon the recommendation of the double-reed professor.

### **The Bauman-Stahley Scholarship**

This scholarship is presented to a student who has demonstrated a combination of outstanding academic achievement and interest in education.

### **John and Audrey Baynes String Scholarship**

This scholarship is presented to an outstanding string student chosen by the string faculty. This award is \$500 and is renewable.

### **Ruth Tozer Bixby Trust Scholarship**

Varying number of \$1,200 awards are available in honor of Ruth Tozer Bixby. Students must be entering freshmen and general scholarship guidelines will be used to select the recipients.

### **Mary Blair Scholarship**

This scholarship is a four-year award for an incoming freshman. The scholarship is awarded once every four years, and two scholarships are awarded each time. General scholarship guidelines are used to select recipients. The amount of this award is \$1,150. The recipient is selected by the Scholarship Committee.

### **Blossburg National Bank Scholarship**

This scholarship is presented to freshmen students who attended North Penn High School. The scholarship recipients are recommended by teachers at North Penn High School and forwarded to the Scholarship Committee for final approval. The scholarships may be renewed for each of the student's four college years. The amount of this award is \$1000.

### **Board of Governors Scholarship**

The Board of Governors Scholarships were created by the State System of Higher Education. A number of awards for Pennsylvania residents granting a waiver of tuition are awarded after all other forms of aid have been received for the academic year. These scholarships may be renewed for eight semesters if the student maintains the required grade point average. The Board of Governors Scholarship guidelines are used to select recipients.

**Board of Governors Priority Program**

A number of full and partial tuition waivers for Pennsylvania residents with at least an SAT score of 1000 and a class rank in the top 30%. Priority is given to students in the science/technology and math disciplines. The waiver is renewable by maintaining a 2.5 grade point average.

**Dr. Margaretta Bone Elementary Education Scholarship**

This scholarship is presented to freshmen students who are majoring in elementary education with an area of concentration in the humanities or English. Academic ability, leadership, and service involvement are considered. The recipient must write an essay and obtain two letters of recommendation. The scholarship may be renewable for three years if the recipient maintains a 3.0 cumulative grade point average. Financial need is also considered. The amount of this award is \$1000 per academic year.

**Bob Bridgman Scholarship**

This scholarship is presented to an entering freshman who is in the 25 percent of his/her senior high school class and has an SAT score of 1000. The recipient must demonstrate the highest traits of leadership, citizenship and character, and show evidence of providing service to others and/or animals and a willingness and desire to continue doing so in the future. The \$1,100 award is selected by the Scholarship Committee and may be renewed if the recipient maintains a 3.0 GPA and remains a full-time student.

**The Ed Brown Scholarship**

This scholarship is presented to a junior with the highest grade point average during their first two years of music theory. Preference is given to a pianist. Award is \$250.

**Denise F. Carter-Onyirimba Memorial Fund**

This book scholarship is presented to an incoming fall freshmen who graduated from the Philadelphia School District and is a participant in the MU Act 101 Program. The award will fund three (3) book scholarships (2) fall and (1) spring, not to exceed two-hundred and fifty dollars (\$250.00) each. The Denise Faith Carter-Onyirimba Memorial Fund Committee selects the recipients. This award is non-renewable.

**Chemung Canal Trust Scholarship**

A \$1,000 scholarship for an entering student from the Chemung Canal Trust service region. Student must be regularly admitted to the University. The award will be given by the Scholarship Committee.

**H.W. Colegrove Scholarship**

This scholarship is awarded to female freshmen students who exhibit strong academic background and are residents of Tioga County, PA. The amount of the award is \$1000 and renewable for each of the student's four years provided a 2.0 grade point average is maintained. The recipient is selected by the Scholarship Committee.

**The Citizens and Northern Bank Scholarship**

A \$1,500 scholarship for an entering student from the Citizens and Northern Service region who is a regular admitted student to the University. Preference will be given to a student in a Business-related major.

**Class of 1935's Round Robin Scholarship**

A \$1,300 scholarship is presented to an entering freshmen who is in the top twenty-five percent of their senior high class, obtains a minimum SAT score of 1000 and demonstrated the highest traits of leadership, citizenship and character. This award is renewable if the recipient maintains a 2.5 grade point average.

**The Class of 1953 Scholarship**

A scholarship established by donations from the class of 1953. General scholarship guidelines will apply to this renewable award in an amount to be determined.

**The Class of 1954 Scholarship**

A scholarship established by donations from the Class of 1954. This scholarship will be awarded annually to a student majoring in Education. The student may be a sophomore, junior, or senior. Freshmen are not eligible for selection.

**The Class of 1955 Scholarship**

A scholarship established by donations from the Class of 1955. General scholarship guidelines will apply to this award in an amount to be determined.

**The Class of 1956 Scholarship**

A \$500 scholarship established by donations from the Class of '56. General Scholarship Guidelines will apply to this renewable award.

**The Class of 1957 Scholarship**

A \$500 scholarship established by donations from the Class of '57. General Scholarship Guidelines will apply to this renewable award.

**Beatrice and Carleton Chaffee '35 Music Scholarship**

This scholarship will be awarded to an incoming freshman interested in orchestra with a preference for string musicians.

**The Claverick/Tri-County Rural Electric Cooperative Scholarship**

A \$450 scholarship is presented to a student who is a dependent of a Claverack of Tri-County Rural Electric Cooperative member. Students must be in the top 50% of their senior class, score over 1000 on the SAT, and enroll as a full time student. In addition, they must demonstrate the highest traits of leadership, citizenship, and character and should have been involved in Youth Tour.

**College Community Services, Inc. Book Scholarship**

This scholarship is presented to full-time, upper class students who maintain a 2.8 cumulative grade point average, are involved in extra-curricular activities, and have financial need. A varying number of \$250 scholarships are provided in the form of credit for books at the bookstore, and selection is made by the Scholarship Committee.

**Stanley D. Conklin Scholarships for Nurses**

A renewable scholarship for up to four years enrollment. The amount of the awards are \$2000 and are made possible through the generosity of Dr. Conklin who was a highly respected Guthrie Healthcare physician. A varying number of awards will be available for freshman nursing students each year. Candidates must have scored at least 1000 on their SAT test and be in the top two fifths of their graduating class. A grade point average of 2.7 is required for renewal and recipients are determined by the Scholarship Committee.



### **Albert J. Crispell Elementary Education Award**

This scholarship is presented to a student with senior status who is majoring in elementary education. Preference is first given to residents of Bucks, Luzerne or Wyoming counties. The recipient should display the qualities of a successful educator as determined by the faculty. The scholarship is to offset expenses for books and educational supplies. This is a \$500 award paid directly to the Campus Bookstore to help offset book and supply expenses, non-renewable.

### **Richard and Esther Purvis Cook Scholarship**

A renewable scholarship of \$500 for music majors. Consideration will be given to students in the top 25% of their graduation class with an 1100 SAT score.

### **Darrin-Dye Scholarship**

This scholarship is presented to an entering freshman majoring in music. Recipients are selected based on talent and have an SAT score of 900 or more. This award is \$500 per academic year, non-renewable. The selection is made by the Music Department Scholarship Committee.

### **Hartley B. Dean Scholarship**

This scholarship is presented to entering freshmen who have achieved academic excellence and exhibited financial need. Class rank, SAT scores, and involvement in extracurricular activities are taken into consideration. This scholarship is renewable if a minimum 2.0 cumulative grade point average is achieved. The amount of the award is \$1000. General scholarship guidelines are used to implement the awards. The number of awards may vary from year to year and selection is made by the Scholarship Committee.

### **Descartes French Scholarship**

The scholarship is supported by funding through faculty members Monique Oyallon and Bernard Kolaski. It is a renewable \$600 award for entering French majors. Consideration will be given to students in top 2/5 of their graduating class with a B average in French. An essay is required.

### **David J. Dick Memorial Award**

This scholarship is presented to an outstanding junior or senior of conducting or vocal performance. The amount of the award is \$1000, non-renewable. Selection is made by the Music Department Scholarship Committee.

### **Friends of George Dolph Book Award**

This award is presented to a student who demonstrates academic excellence focusing on language and literature studies. The recipient must major in English or English Education.

### **Howard R. and Margaret Doud Scholarship**

This scholarship is presented to a freshman music major. To be considered for any additional awards, a 3.0 cumulative grade point average must be maintained. Selection is made by the Music Department Scholarship Committee. Scholarship is be given once every four years.

### **Frederick Douglass Institute Scholarship**

This scholarship is awarded to outstanding students who demonstrate potential for leadership, have good academic standing, and exhibit commitment to cultural diversity.

**The Van W. Emmons Sr. "People First" Award**

This scholarship is presented to a sophomore social work major with preference given to a Pennsylvania resident. Students applying for this award must submit a concise letter describing time and energy given to non-profit organizations, churches and/or other community services that provide positive social support. The award is renewable if the recipient continues as a social work major and maintains a 2.5 GPA. The amount of this award is \$500 per academic year.

**Grace S. Evans Scholarship**

This scholarship is presented to an entering freshman who demonstrates academic achievement. The amount of this award is \$500 per academic year, non-renewable. Selection is made by the Scholarship Committee.

**Nancy Evans-Sabo Award**

Nancy Evans Sabo was a talented young teacher and, like many members of her family, a graduate and friend of Mansfield University. In her memory her family gives an award of \$500 to the graduating secondary education student with the highest grade point average as recorded the semester prior to student teaching.

**Fielding-Eliot Scholarship in English/Modern Languages**

This scholarship is presented to an entering freshman majoring in either English or a modern language. The recipient must be in the top two fifths of high school graduating class. The scholarship is renewable for additional six semesters if recipient maintains a 3.0 GPA.

**First Citizens National Bank Scholarship**

This scholarship is presented to a sophomore, junior, or senior student who resides in the First Citizen's National Bank market area. Preference will be given to students who are customers of First Citizen's or have direct family members who are customers. A requirement for this scholarship of a cumulative 3.0 GPA and a minimum of 20 hours of community service each semester.

**The Bertram Francis Scholarship**

This scholarship is presented to an entering freshman majoring in instrumental music. The student must have achieved a 3.0 GPA in high school. Preference will be given to Pennsylvania resident with financial need.

**Andrew Frank Scholarship**

This scholarship is presented to a student with a QPA over 3.0 in the Education field. The student must show high academic achievement and evidence of courage and perseverance.

**The Frazer Science Scholarship**

This scholarship is presented to an incoming freshman interested in teaching science education. The scholarship is renewable if the recipient maintains a 3.5 GPA.

**Robert Garofalo Music Endowment**

This scholarship will be awarded to a full time music major that was in the top 25% of their high school class and obtained a minimum SAT of 1050. They must demonstrate the highest traits of leadership, citizenship, and character. Preference given to graduates of Lackawanna County, PA.

### **Arlyne M. Garrity Communications and Theatre Faculty Scholarship**

This scholarship is presented to an upper class student who is majoring in Communications or Theatre and has earned a minimum of 32 credits. There are two \$500 non-renewable scholarships and a committee from the Communications and Theatre Department will make recommendations to the Scholarship Committee.

### **Geography and Earth and Space Science Scholarship**

This scholarship will provide two \$500 awards to students majoring in geography or earth and space science. Selection will be made by department faculty based on academic credentials.

### **Oliver and Louise George Scholarship**

This scholarship is presented to a student based on need and academic standing with preference given to chemistry and science majors. A freshman recipient must have an SAT score of 1,000 or more. Upper class students must attain a 2.5 GPA and a 2.5 in sciences. Non-renewable. Students may reapply every year. The award is \$750 per year and shall be paid directly to the student. Recipient selected by the Scholarship Committee.

### **James York Glimm Scholarship in English**

This scholarship is presented to an entering freshman enrolled in an English B.A. or B.S.E. curriculum and shows potential for developing as a writer and student of literature. The recipient must be in the top two fifths of his or her high school graduating class. Candidates must submit an analytic essay of a short poem or short piece of fiction from several choices supplied by the English and Modern Languages Department Scholarship Committee. The amount of the scholarship is \$450, and may be renewed if the recipient maintains a 3.0 GPA.

### **Good Samaritan Scholarship**

A full tuition scholarship created by an anonymous donor for an entering freshman who attended elementary school in Mansfield, PA. The student must be orphaned or have only one living parent for consideration of this award.

### **GSE Scholarship**

This scholarship is presented to an upper class student. The recipient must be enrolled in studies in the combined MU/PA College of Osteopathic Medicine Program. The amount of this award is \$1000. The chairperson of the Biology Department will make a recommendation for this award to the Scholarship Committee.

### **Halloran Scholarship**

This scholarship is presented to an entering freshman who has demonstrated academic achievement. Preference is given to a student who resides in Potter County. The amount of this award is \$1,250 per year for four years, and the recipient is selected by the Scholarship Committee.

### **Halloran Memorial Scholarship**

This scholarship is presented to entering freshmen who have achieved academic excellence. Preference is given to those who reside in Potter County. The amount of this award is \$1000, non-renewable. The number of awards may vary from year to year, and recipients are selected by the Scholarship Committee.

**Norejane J. Hendrickson Scholarship**

This scholarship is presented to an entering student from a Potter County High School who was in the top 25% of his or her senior class with an SAT of at least 1050. This is a \$500 award. The recipient is selected by the Scholarship Committee.

**Susan Higley Math Scholarship**

This renewable scholarship is presented to a female math education major and has financial need. Preference is given to a student who is from north central Pennsylvania.

**Honors Program Scholarship**

This scholarship is presented to upper class students. The recipients must be continuing students in the Honors Program with high academic standing. The amount of each award is \$500.

**Virginia S. Hough Scholarship**

This scholarship is presented to an entering freshman majoring in elementary education with a first preference to a Troy student and a second preference to a Bradford County student followed by PA students. The student must be in the top two fifths of their high school graduating class and obtain a minimum SAT score of 1000. The selected student must maintain a 2.8 grade point average to maintain the remaining 3 year scholarship.

**Linda A. Ballard Hulslander Scholarship**

This scholarship is presented to an entering freshman pursuing a degree in nutrition and dietetics. Recipients must be in the top two fifths of their high school graduating class and have an SAT score of 1000 or more. This scholarship may be renewable if the recipient maintains a 3.0 cumulative grade point average and remains in the degree program. The recipient is selected by the Scholarship Committee.

**Albert L. Smith and Dr. Marcella M. Hyde-Smith Scholarship**

A \$450 scholarship for a currently enrolled teacher education major. Scholarship is renewable, student must have at least a 3.0 GPA, and must have completed four semesters for initial consideration.

**Eugene Jones Music Vocalist Scholarship**

This scholarship is presented to entering freshmen majoring in music whose primary instrument is voice. The recipient must be in the top 20 percent of their high school class, 1100 SAT score, achieve a minimum score of 80 on the Theory Placement Test and perform an outstanding audition for department admission.

**Wendell and Jobyna Judson Scholarship**

This scholarship is presented to an entering freshman who graduated in the top two fifths of their high school senior class and achieved a minimum SAT score of 1000. The scholarship is renewable if the recipient maintains a 2.5 grade point average. The amount of the renewable award is \$1,125. Preference in awarding the scholarship is given to residents of Bradford County, PA. Recipients are selected by the Scholarship Committee.

**Rod C. Kelchner President's Scholarship**

This scholarship is presented to a recipient who is an entering freshman, graduated in the top two fifths of his or her high school class, and obtained a minimum SAT score of 1000. This scholarship is renewable if the recipient maintains a 2.5 grade point average. The amount of this award is \$1000. A varying number of awards will be available each year. Recipients are selected by the Scholarship Committee.

**Keller Leadership Scholarship**

This scholarship will be awarded to psychology majors in their second through fourth years of study, who in the judgment of their faculty, provide leadership for learning and service to the department, university campus, or community. Recipients must maintain a GPA of 3.25 or better during the semester in which they receive support from this scholarship.

**Richard Kemper & Kurt Hider Double Reed Scholarship**

This scholarship is presented to an entering freshman music major with concentration for oboe or bassoon. The recipient is selected by the Music Department Scholarship.

**Martin Luther King Jr. Scholarship**

The Martin Luther King Jr. Scholarship is supported through the Mansfield University Foundation. The award is \$1000 for the academic year, non-renewable. General scholarship guidelines are used to select an entering student as the recipient with the Scholarship Committee making the selection.

**Jean E. Koch Memorial Scholarship**

The Jean E. Koch Memorial Scholarship is supported by income from a bequest by Jean Koch invested in the Alumni Memorial Scholarship fund. This scholarship is presented to an entering freshman who demonstrates academic achievement. The amount of this award is \$1000 per academic year. General scholarship guidelines are used to select the recipient, with the decision being made by the Scholarship Committee.

**Carrie Krise Carl Scholarship**

A scholarship established by Eleanor Kehrer in memory of Carrie Krise Carl. Preference will be given to a graduate from a Lycoming County high school planning on majoring in elementary education. Student must be in top 25% of their graduating class. The award is \$500 and is renewable.

**Jean Skrynski Kreuscher Scholarship**

This scholarship is presented to students who have been accepted for enrollment as music majors or currently enrolled music majors. Recipients are selected on talent without regard for financial need. Recipients must have attained SAT scores of 900 or more. The number of scholarships is determined annually. Several \$1000 awards and several \$500 non-renewable awards are given for the academic year. A committee of music faculty reviews applicants and forward recommendations to the Scholarship Committee.

**Eileen Finn Kuritz Dietetics & Nutrition Award**

Two \$1000 scholarships in honor of Eileen Kuritz. Students must be entering dietetics or nutrition majors with an SAT score of at least 1050 and be in the top 2/5 of their graduating class.

**Michael R. and Peggy L. Lane Music Scholarship**

This merit-based scholarship will be selected by the music department and general scholarship guidelines will be used to select the recipients.

**Dr. A. Vernon Lapps Broadcasting Scholarship**

This scholarship recipient includes a full time student majoring in broadcasting with at least 45 credits, minimum GPA 2.5, 145 combined hours at WNTV radio and/or the MU TV Studio, a 4-minute minimum portfolio of any broadcast/digital materials created by

the applicant, a proven interest in broadcasting as a career. Financial need is a consideration but not a requirement. This application process must be complete by March 1.

### **Fredericka Michelfelder Lawrence 1898 Scholarship**

The Frederika Michelfelder Lawrence scholarship is a scholarship for an entering elementary education major. Student must be in the top 25% of their graduating class with an SAT score of 1100. Amount and number of awards may vary from year to year.

### **Leadership Scholarship**

Varying number of \$1,500 awards are available for entering students from Pennsylvania. Students should be in the top 2/5 of their graduating class with an SAT score of at least 1000. Preference is given to students in under subscribed majors.

### **Reva Dickinson Learn and Dana Lee Learn Endowed Scholarship**

Known as the "Learn Presidential Scholars," this scholarship is presented to recipients who are entering freshman, graduated in the top fifth of their high school senior class, achieved a minimum SAT score of 1200, and participated in scholastic and community organizations and exhibited leadership potential. This scholarship may be renewed if the recipient maintains a minimum 3.0 grade point average and demonstrates participation in leadership activities. A varying number of \$2000 renewable scholarships are available. Recipients are selected by the Scholarship Committee.

### **Linda and Lewis B. Lee Music Education Scholarship**

A scholarship is presented to a returning student majoring in Music Education with a special interest in voice and/or piano. The recipient must be interested in a teaching career. Award is \$500 annually with the recipient being selected by the Music Department.

### **The Lewis Scholarship**

This scholarship is presented to incoming students majoring in music. One award is given to a recipient concentrating in piano, and the remaining award is given to a nondesignated music concentration major.

### **The Sandra B. Linck Scholarship**

This scholarship is presented to a student who has a child attending the Sandra B. Linck Childcare Center and is not receiving any other scholarships from the University. The student must be at least half-time status.

### **S. Manford Lloyd Memorial Scholarship**

This scholarship is presented to a freshman student who is majoring in math with strong academic credentials. Recipients must be in the top 10% of their high school graduating class. SAT scores are also considered. This scholarship may be renewed if a 3.0 cumulative grade point average is maintained each semester. This award is \$1,800 and is renewable. Recipient is selected by the Scholarship Committee.

### **Loeschke Leadership Scholarship**

A \$500 scholarship created by President Dr. Maravene Loeschke. The award is for a returning student who has completed their freshman year with at least a 3.0 GPA. Recipient must be a proven leader on campus and/or the Mansfield community.

**Ferris J. Lutes Athletic Scholarship**

Recipients must be a member of the men's intercollegiate basketball team, and demonstrate the highest traits of leadership, citizenship, behavior and character both on and off the playing field.

**Helen Dieffenbach Lutes Athletic Scholarship**

Recipients must be a member of a women's intercollegiate athletic team, and demonstrate the highest traits of leadership, citizenship, behavior and character both on and off the playing field.

**Mansfield University Dining Services Scholarship**

This scholarship is presented to full-time, upper class students. Recipients must have a 2.8 cumulative grade point average, be involved in campus organization/service activities and have financial need. Two full meal plan scholarships for the academic year are awarded. Recipients are selected by the Scholarship Committee.

**Mansfield University Foundation Scholarship**

This scholarship is presented to entering freshmen who demonstrate academic achievement and involvement in extracurricular and community activities. The number of awards varies from year to year. Scholarships are \$1000 per academic year and are non-renewable. General scholarship guidelines are used to select the recipients with the decision being made by the Scholarship Committee.

**Jonathan G. March Scholarship**

This scholarship is presented to a freshman student from Tioga County, PA. The student selected for this award is distinguished more by effort and commitment to higher education goals than by past academic achievement. This award is \$1000 per academic year with the recipient being chosen by the Scholarship Committee.

**Joseph P. Maresco Leadership Scholarship**

A \$800 scholarship created by former Vice President of Student Affairs Joseph Maresco and his wife Maryann. The scholarship is for currently enrolled students with a minimum grade point average of 2.5 who makes a contribution to activities that serve the University Community.

**Richard F. Mason Space Science Award**

The recipient will be a graduating senior who will be continuing in graduate school to study the use and exploration of space. If no graduating senior is eligible in any school year, an upcoming senior or junior may be considered for an MU scholarship for one year. A documented record of interest in space exploration must be included.

**Louise C. McConnell Choral Scholarship**

This scholarship is presented to a full-time, upper class female student with a 3.0 cumulative grade point average who is a member of the Concert Choir and has performed an outstanding audition. The amount of the scholarship is \$750 and a committee of music faculty will review applicants and forward the recommendation to the Scholarship Committee.

**Edward McInroy Scholarship**

This scholarship is presented to a freshman student from Tioga County, PA. The recipient is distinguished more by effort and commitment to higher education goals. The amount of this award is \$1,100 and non-renewable. Recipient is selected by the Scholarship Committee.

**Daniel J. and Anne Mitchell McInerney Scholarship**

This scholarship is presented to a student majoring within the Geography and Geology Department. An entering freshman must have a minimum SAT score of 1030 or be in the top 30% of their high school graduating class. An upperclassman must have an average or above average grade point average.

**Melhuish Elementary Education Scholarship**

Applicants must be majoring in elementary education, have earned 64-95 credits with an overall GPA of 3.30. An essay must also be submitted describing their service and volunteer work. The award is \$1000. The recipient is selected by the Education and Special Education Department.

**William Merryman Nursing Scholarship**

This scholarship is presented to a student majoring in nursing with a cumulative GPA of 3.5 or higher. Students applying for this \$500 non-renewable scholarship must submit a narrative describing their educational goals, extra-curricular activities, community service and a statement of why they should be considered for this award.

**Corrine L. Miller Scholarship**

This scholarship is presented to an elementary or special education major who has completed at least 64 credits and passed the "gates" requirements for acceptance as a certification candidate. Applicants must demonstrate the attitudes and skills of an innovative, risk-taking teacher and community leader, and based on a specific set of questions. The amount of this award is \$1,000. The scholarship may be received for a second year assuming the recipient continues to meet the scholarship criteria. The Education and Special Education Department selects the recipient.

**Most Promising Math Student Scholarship**

This scholarship is presented to a BSE Mathematics major or Mathematics certification student doing student teaching. Recipient should demonstrate an exceptional ability to engage students to learn mathematics in a conceptually substantive manner. Amount of award is \$500.

**Music Scholarships**

This scholarship is presented to upper class students who have achieved a minimum 2.5 cumulative grade point average, completed 32 credit hours and completed a successful audition before the music faculty.

**Stanley Henry Nauman Memorial Award in Wildlife and Fisheries Sciences**

This scholarship is presented to a deserving undergraduate student in the Wildlife and/or Fisheries program. A committee of biology faculty reviews applications and forwards a recommendation to the Scholarship Committee. This is a \$900 non-renewable award.

**Northern Appalachain Storytelling Scholarship**

A \$1,400 scholarship for an entering student majoring in Broadcasting or Journalism. Student must have an SAT score of 1100 with a minimum verbal score of 650.

**Jacob Oberly Earth Science Scholarship**

This scholarship is presented to a student majoring in earth and space science education with a cumulative GPA of 3.5 or higher. Students applying for this \$500 non-renewable



scholarship must submit a narrative describing their educational goals, extra-curricular activities, community service, and a statement of why they should be considered for this award.

### **Isabel Ochswer Choral Scholarship**

A scholarship created by Peggy Detwiler and Jurgen Thym. The award is for a full-time entering Music major. In addition, a resume and audition before the Choral Directors at Mansfield University is required.

### **Horace B. Packer Foundation Scholarship**

This scholarship is presented to entering freshmen. The student must be a resident of Tioga County, the top fifth of his/her high school graduating class, obtain an SAT of 1200 or more, participate in scholastic and community organizations and demonstrate leadership potential. This scholarship may be renewed if the recipient maintains a 3.0 cumulative grade point average and continues to demonstrate participation in leadership activities. The Horace B. Packer Foundation will provide four \$2000 scholarships for incoming students which are renewable for up to four years of enrollment. Recipients are selected by the Scholarship Committee.

### **Jenna Rose Pastelyak Scholarship**

A \$500 scholarship established in the memory of Jenna Rose Pastelyak by her family and friends. Recipients must be an entering freshman from Northampton County, PA with a minimum grade point average of 2.5 with at least a 1000 on the SAT. Student should demonstrate traits of leadership, citizenship and character.

### **Pennsylvania State Employees Credit Union (PSECU) Scholarship**

Recipients of this scholarship are returning students with preference given to Credit Union members. Recipients are selected by the scholarship committee.

### **Phi Delta Kappa Scholarship**

This scholarship is presented to a student who is currently enrolled in a teacher preparation program. The recipient must be a graduate from an area high school in Bradford, Lycoming, Potter, Sullivan, or Tioga counties. The recipient must have completed 40 semester hours at Mansfield University and earned a minimum 3.0 cumulative grade point average.

### **Dean L. & Elizabeth E. Phillips Scholarship**

This scholarship is presented to a freshman instrumental music major. If no students meet the criteria, any music major is eligible. Preference will be given to a student from Lycoming County. The scholarship is renewable if the recipient maintains a 3.0 GPA.

### **Maryon Farrer Powell Scholarship**

This scholarship is presented to a student who is majoring in dietetics. The recipient of this scholarship can either be an entering or currently enrolled student who demonstrates strong academic ability and has financial need. This is an \$1,250 non-renewable award. General scholarship guidelines are used to select the recipient, with the decision being made by the Scholarship Committee.

### **Presser Scholarship**

This scholarship is presented to a student who demonstrates excellence in academics and music. The recipient must excel in applied music and academic subjects with at least a 3.0 cumulative grade point average. The scholarship is based on merit. The

recipient must be a full-time student for the academic year after receiving the scholarship. This award amount may vary for each academic year. A committee of music faculty review the applicants and forward their recommendation to the Scholarship Committee. The amount of the scholarship is \$2250 and is non-renewable.

### **Waunita Simonson Price Book Award**

The recipient of the scholarship must be an undergraduate education major with at least a 3.2 grade point average. The Education and Special Education Department will recommend a qualified applicant to the Scholarship Committee.

### **Mary A. and Robert H. Rodine Scholarship**

The Rodine Scholarship is a \$1400 award for a full time student who is of at least a sophomore status from Lackawanna or Luzerne Counties. Scholarship is renewable, and students must have at least 3.0 GPA.

### **Carl D. Ruck Music Scholarship**

This scholarship is presented to a junior music major with preference to an instrumentalist, vocalist, keyboard, performance, or music education. The recipient must maintain a GPA of 3.6, obtain a minimum SAT score of 1150, successfully complete a live audition with standard letters of reference, maintain a minimum of B grades in Music Theory and History courses and major applied instrument or voice, and make a contribution to activities that serve the University Community. Preference will be given to a student from Luzerne County, PA. This scholarship is renewable if the recipient maintains criteria.

### **Sage Book Award**

This scholarship is presented to a freshman English major with the highest verbal SAT score and class rank. The award provides a credit for books at the University Bookstore. The amount of this award is \$250.

### **Ada Mae Saxton Music Scholarship**

This scholarship is presented to an entering freshman majoring in music. The recipient must be in the top 20 percent of his or her senior high school class, obtain a minimum SAT score of 1100, obtain a minimum score of 80 on the Theory Placement Test and perform an outstanding audition for department admission. This \$1000 scholarship is renewable for an additional three years if the recipient continues as a full-time music major at Mansfield University, maintains a 3.0 grade point average, and is recommended by the primary teacher and ensemble director.

### **The Irv Schankman Memorial Scholarship**

This scholarship will be presented to currently enrolled School Library and Information Technologies graduate students based on a submission of a written essay. Essays will show the applicant's sincerity, motivation, and idealism and demonstrate the applicant's conviction and enthusiasm for the profession of school librarianship.

### **A. Hugh Schintzius International Student Scholarship**

This scholarship is presented to an international student pursuing their first undergraduate degree and has achieved academic achievement based on several factors. This scholarship is renewable if specific grade point averages are achieved. The amount of the scholarship is \$500.

**Elinor Schipbanker Scholarship**

This scholarship is presented to a freshman art major. At least one \$800 award is available each academic year, non-renewable. General scholarship guidelines are used to select the recipient, with the Scholarship Committee making the selection.

**Scholar Recognition Book Scholarship**

This scholarship is presented to full-time, upper class students who are involved in extracurricular activities. The award provides a credit for books at the University Bookstore and is awarded by the Scholarship Committee.

**The Arthur and Martha Sharpe Scholarship**

This scholarship is presented to a nutrition and dietetics major. Preference is given to a student from Wyoming or Clinton County.

**Mary McInroy Sheffer Scholarship**

This scholarship is presented to an education major who has completed registration for student teaching for either the fall or spring of the following year and has a minimum 3.0 GPA. Applicants must submit three letters of reference that speak to the applicant's character and commitment to teaching, and a position paper of no more than 1,000 words on the importance of character in the committed teacher. The award is for \$325 and the recipient is selected by the Education and Special Education Scholarship Committee.

**Alexander E. Sidorowicz Scholarship**

A scholarship for a freshman music major in memory of Alex Sidorowicz. Student must have an SAT of 1100 with a minimum score of 80 on the theory placement test. Scholarship is renewable with the selection made by the music department.

**Slabey Scholarship**

This scholarship is presented to full-time students who are majoring in computer science or information systems. The recipient must have a minimum cumulative grade point average of 2.70 and have completed six credit hours in computer science. The recipient must maintain good academic and social status. Preference will be given to students who are involved in or show an interest in diversity issues and multicultural affairs and demonstrate financial need. The recipient must contribute to the campus community by participating in student organizations, activities or forums.

**Howard J. Jr. & Olynda Chaffee Smith Music Fund**

This fund provides support for the choral program needs in the form of travel or scholarship. The fund can be used for two purposes: to help offset travel costs of group choral tours or to provide scholarship assistance to students enrolled as a vocal music major.

**Kathryn McInroy Smith and Alice Smith Bailey Scholarship**

This scholarship is presented to an entering freshman majoring in music and who was in the top 20 percent of his or her senior high school class. Recipients must have a minimum SAT score of 1100, achieve a minimum score of 80 on the Theory Placement Test, and perform an outstanding audition for department admission. Preference is first given to students who graduated from the Wellsboro Area Public School District. This scholarship is renewable if the recipient continues as a full-time music major, maintains a 3.0 grade point average, and is recommended by the primary teacher and ensemble director based on the recipient's quality of contribution to the ensemble.

### **Grace Steadman and Margaret Steadman Scholarship**

A \$450 scholarship for an entering music major, scholarship is named in honor of Grace and Margaret Steadman. Student must have an SAT score of 1050 and be in the top 25% of graduating class.

### **Ruth Redman Stephens Scholarship**

This scholarship is presented to a freshman student who graduated from a high school in Sayre, PA, Athens, PA, or Waverly, NY. The recipient should have graduated in the top 10% of his or her class, be a good citizen, and achieved high SAT scores. Community and school activities are considered. This scholarship is renewable for up to 8 semesters provided a 3.5 cumulative grade point average is maintained. This award is for \$1500 per academic year. The recipient is selected by the Scholarship Committee. Award given once every four years.

### **The Sunn Book Award**

This scholarship is presented to a returning student majoring in English or English Education. The award honors academic excellence and provides credit for book purchases at the University Bookstore.

### **Richard Swartz Award in Double Reed**

This scholarship is presented to an upper class double reed major maintaining at least a 3.0 cumulative grade point average. This is a \$150 award.

### **The Ina G. Tabor Scholarship Fund**

This scholarship is present to a student who at the time selected to receive the scholarship has completed 91 credits and has at least 3.0 GPA in the social work major. Preference is given to a student originally from Tioga, Potter, or Bradford counties. The recipient must be considered to be of high moral and ethical standards and have a commitment to practice rural social work. Selection of the \$2,000 award is made by the Social Work Department.

### **Harold E. Terry Scholarship**

A \$450 scholarship for a junior or senior History, Geography, Political Science or Social Studies major. Student must have at least a 3.0 GPA and award will be determined by the Scholarship Committee.

### **Elden and Marjorie Tewksbury Scholarship**

This scholarship is presented to an undergraduate student majoring in teacher education who has completed at least 30 semester hours with a minimum 3.0 grade point average. Applicants must submit an essay that addresses the knowledge base metaphor for teacher education at Mansfield University: "Teacher as Reflective Decision Maker." Preference for one of the two scholarships will be given to a resident of the Southern Tier of New York. The award is \$1000. The scholarship may be renewable and is awarded by the Education and Special Education Department.

### **Tioga County Association of Township Officials Scholarship**

A \$450 scholarship for a student from Tioga County, PA who is an active township official or a child or grandchild of a township employee. Student must major in Political Science and award is made by the Scholarship Committee.

**Michele Towers Scholarship**

This scholarship is presented to an elementary education or special education major who has completed 30-95 credits with a minimum 3.0 GPA. Recipients are also selected on their orientation to service and commitment to teaching. Students must complete an application and essay about the concept of service. This is a \$1,400 award. The Education and Special Education Department will select the recipient.

**University Senate Scholarship**

This scholarship is presented to an upper class student who has excelled academically. The amount of this award is \$1500 per academic year. The selection will be made by the Scholarship Committee.

**Ward/ACP Manufacturing Scholarship**

\$1,000 scholarships available to children of Ward/ACP Manufacturing employees who are not officers. Amounts increase each year and initial recipients are selected by the University Scholarship Committee.

**Gladys Frick Weaver Nursing Excellence Award**

This scholarship is presented to a currently enrolled nursing student who has successfully completed 6 semesters of course work at Mansfield University. The recipient must demonstrate basic nursing knowledge by achieving a minimum of a B grade in his/her nursing courses. The recipient must also demonstrate an interest and competence in bedside nursing, an attitude of caring and compassion and an acceptance of all patients. The recipient should encourage excellence in bedside nursing in the other members of the health care team by example and by direction. The amount of this award is \$1500 annually. Applications are forwarded to the nursing faculty for final selection.

**Foster and Marlene Borck Wetmore Scholarship**

A \$500 per year scholarship created by Foster and Marlene Borck Wetmore. The award is for a University sophomore who has at least a 2.8 GPA and is aware of the importance of a college education. Recipient is selected by the University Scholarship Committee.

**Lois Shennen White Education Scholarship**

This scholarship will be awarded to a full time student who is majoring in Education. This award will be for incoming freshmen only. The incoming student must reside in Scott Township, PA and must be in the top fifth of their high school graduating class.

**Josephine Brace Wolfe Scholarship**

A renewable \$450 scholarship for entering students from Troy, PA High School. Student must be in the top 20% of their graduating class.

**Mildred Packard Wright Scholarship**

This scholarship is presented to an incoming freshman once every four years in a mathematics related major. Preference for the scholarship will be given to a student from Troy, Canton, or Bradford County, PA. The amount of this award is \$1300 per academic year, with selection made by the Scholarship Committee.

**The Youth Leader Scholarship**

This scholarship is presented to an individual who was previously recognized as a Youth Leader in his or her senior year of high school by the Mansfield Area Chamber of Commerce. The recipient is an incoming freshman from Tioga County who has demonstrated achievement in scholarship, service, and leadership positions.

**Dr. Edwin Zdzinski Scholarship**

This scholarship is presented to a full-time music student with junior status in the Music Education curriculum and at the time selected to receive the award in the senior year, must have a 3.0 GPA in music and have recommendations from instrumental conducting faculty. The award is \$250 made by the Music Department Scholarship Committee.

## Awards

**American Chemical Society, Corning Section Student Award**

Recognition on a plaque located in Grant Science Center to a graduating senior of high academic achievement.

**American Institute of Chemists Student Award**

A one-year associate membership in American Institute of Chemists and recognition on a plaque in Grant Science Center to a graduating senior of high academic achievement.

**Biology Outstanding Major Award**

The Commonwealth of Pennsylvania University Biologists annually recognize the outstanding biology major from Mansfield University at its annual meeting held on the campus of one of the 14 state system universities. The award includes a trip to the annual meeting, the presentation of the personal certification at the meeting banquet, and a certificate for display in Grant Science Center.

**Broadcasting Award**

One award from the New York Academy of Television Arts and Sciences.

**Rhino Award**

One award given for contributions to the Theatre.

**Tiadaghton Audubon Society Memorial Environmental Award**

A competitive cash grant for one or more promising biology students to conduct independent research in disciplines related to the environment or organisms living in natural ecosystems. The award is made in memory of noted environmentalist Forrest Watkins, and former Mansfield Biology professor, Dr. Charles Weed.

**Sam Dee Thomas Outstanding Painting Award**

Given for oil painting or water base media.

# UNIVERSITY POLICIES

The University reserves the right to make changes in curricula, degree requirements, course offerings, and all academic regulations at any time when, in the judgment of the faculty, the president, and council of trustees, such changes are in the best interest of the students and the university. University policy procedures can be found in The Mountie Manual for upperclassmen or The Student Planner for freshmen.

## GRADUATION REQUIREMENTS

It is your responsibility to know the university requirements for your major and for graduation.

To graduate from Mansfield University with an **associate degree**, you must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative quality point average (QPA) in all work attempted and in the major.
3. Complete requirements for general education and the major.
4. Complete the Writing Across the Curriculum, Information Literacy and Global Awareness programs.

To graduate from Mansfield University with a **baccalaureate degree**, you must meet the following requirements.

1. Earn the minimum number of credit hours for the particular major, plus any required preparatory (0090) courses. Preparatory (0090) courses completed increase the total number of credit hours required for graduation.
2. Earn a minimum 2.0 cumulative quality point average (QPA) in all work attempted and in the major.
3. Complete requirements for general education and for the major.
4. Complete 40% of the credits required for a degree at the 3000 course level or higher.
5. Complete the Writing Across the Curriculum program.
6. Complete a second year language proficiency or minor for a B.A. degree.

To graduate from Mansfield University with a recommendation for **teacher certification** you must meet the following requirements.

1. Earn the state mandated minimum QPA for your cohort group (determined when first "gates" requirements are met and not sooner than 48 credits).
2. Complete a teacher preparation certificate program approved by the Pennsylvania Department of Education.
3. Complete all Mansfield University requirements for a baccalaureate degree.
4. Pass all state mandated Praxis examinations for your area(s) of teaching certification.
5. Present evidence that you have met state mandated clearance requirements as specified under Act 34 and Act 151.

You may earn a university degree with less than the state mandated minimum QPA, lacking the required clearances, or without having passed all Praxis examinations, but the University will not recommend you to the Pennsylvania Department of Education for certification.

No student may be granted an associate degree or a baccalaureate degree from the University without earning at Mansfield University at least 25% of the required total

credits for the degree. Exceptions may be made with approval from the Office of the Provost. Transfer credit may be awarded for up to 50% of the major requirements including major related electives. If the remaining credits do not meet Mansfield University guidelines for general education, they are applied as free electives.

You will receive a "Graduation Outlook" upon completion of the Intent to Graduate form. The "Graduation Outlook" notes courses and/or requirements still necessary to be completed for graduation including any deficiency in the cumulative quality point average (QPA) in all work attempted and in the major. A final outlook showing deficiencies will be sent after the end of the Add/Drop period in the semester in which the student intends to graduate.

### **PREPARATORY (0090) COURSES**

Entering students are evaluated in mathematics and writing to assure a minimal level of competency. In mathematics your previous preparation is assessed. A writing placement examination is administered to all entering students, and placement is made in ENG 0090 or ENG 1112W on the basis of your performance on that essay.

If 0090 courses are necessary, the minimum number of credits required for graduation increases. Any required 0090 course must be taken during the first 57 credit hours attempted.

### **ACT 48**

ACT 48 of 1999 requires persons holding Pennsylvania professional educator certification to complete continuing education requirements every five years to maintain active certification. Pennsylvania certified teachers wishing to use credit course work at Mansfield University to help meet the Act 48 requirement should log on to the following website: <https://www.edulinkinc.com/act48Provider/default.asp>, click on the 'Professional Educator' link, create an account, enter the course(s) information and submit. Mansfield University will then verify the information and report courses satisfactorily completed to the Pennsylvania Department of Education.

### **COURSE LOAD**

A normal academic course load is 12 to 18 credit hours. To schedule more than 18 credit hours in a semester, you must have a 3.0 cumulative point average (QPA). If you do not have a 3.0 QPA, you may submit a petition to the Provost/Vice President for Academic Affairs for permission. Petitions are available online at <http://records.mansfield.edu/>.

### **ADD/DROP**

You may ADD a course during the first seven working days of a semester and DROP a course during the first six working days of a semester using WebAdvisor. Add cards are available in the Registrar's Office. The class instructor must sign all add cards. If you have earned fewer than 60 credits you must also have add cards signed by your advisor.

### **ACADEMIC INTEGRITY**

Students are expected to do their own academic work. Dishonesty in academic work, including cheating, academic misconduct, fabrication, or plagiarism is unacceptable. Faculty are expected to instruct students in ways of avoiding these forms of academic dishonesty. Faculty are also responsible for assessing and reporting all charges of academic dishonesty to the Office of the Provost. The student handbook, [The Mountie Manual](#) for upperclassmen, or The Student Planner for freshmen, outlines the procedures faculty will use to initiate disciplinary action in cases of academic dishonesty.



Faculty are responsible for informing students of course evaluation criteria, for adherence to the stated criteria, and for determining grades in a fair and equitable manner. If a student charges that a faculty member has discharged professional duties in an improper, arbitrary, discriminatory, or otherwise unjustified manner, the complaint will be considered by the procedures outlined in **The Mountie Manual** for upperclassmen or **The Student Planner** for freshmen.

### **ATTENDANCE POLICY**

Regular and punctual class attendance is expected. Documented excuses because of illness, serious mitigating circumstances, or official university representation will be accepted by all faculty members and will permit students to make up missed tests and/or graded assignments in a reasonable manner at a time agreeable to instructor and student. Students must provide documentation before absences can be excused. All instructors are expected to make their class participation and attendance policies clear in the course syllabus.

### **GRADING**

Professors provide students a written syllabus prior to the end of the first week of class which includes the criteria for academic evaluation. Mansfield University uses a 4-point grading scale, as shown below, to evaluate academic performance.

<b>GRADES</b>	<b>INTERPRETATION</b>	<b>QUALITY POINTS</b>
A	Excellent	4.0
A-		3.7
B+		3.3
B		3.0
B-	Above Average	2.7
C+		2.3
C		2.0
C-		1.7
D+	Minimally Passing	1.3
D		1.0
D-		0.7
F		0.0

The following designations may be used in addition to the grades shown above:

AU -	Audit
EX -	Credit by Examination (D- grade or better)
I -	Incomplete
P/F -	Pass/Fail (D- grade or better)
S -	Satisfactory (D- grade or better)
U -	Unsatisfactory
W -	Withdrawal from a course after the drop period

The cumulative quality point average (QPA) is determined by dividing the total number of quality points earned by the total number of credit hours of work attempted. The cumulative QPA is the index by which a student's academic standing is judged.

**Mid-Semester Grades**

Students enrolled in 090, 100-level, and 200-level courses receive mid-semester grades on a scale of A through F to enable them to recognize their academic status in each of these courses at mid-semester. Mid-semester grades in 300-level and 400-level courses are provided at the discretion of the course instructor.

**INCOMPLETE (I)**

An "I" (Incomplete) grade is used to denote unfinished work because of serious mitigating circumstances beyond the student's control. It is a privilege granted because of circumstances, not a right to be expected by the student.

The I is submitted by professors at their discretion on the grade report form at the end of the semester. The professor and the student will identify the specific requirements to be satisfied in order to convert the I to a letter grade. The student is responsible for the removal of an I grade within the first three weeks of the subsequent semester except in cases where serious circumstances prevail and a request for an extension is made by the faculty member to the Registrar's Office. If the I grade is not cleared within the allotted time period, a final grade of F is recorded.

**PASS/FAIL (P or F)**

You may take a total of eight courses on a pass/fail basis; however, no more than one course each semester may be taken under the pass/fail option. Pass credits are not reflected in the student's QPA; however, a passing (P) grade is counted as credit hours earned. Students may elect the pass/fail option during the first seven working days of the semester. They may neither change the pass/fail option to a letter grade nor select the pass/fail option after the first seven working days of the semester. A passing grade is D or better. Three failures under this option will constitute a loss of the option. Pass/Fail application forms are available in the Registrar's Office. The following restrictions apply:

1. 100 or 200 level courses may not be taken pass/fail to fulfill any General Education requirements.
2. Any 100 or 200 level course taken pass/fail will count only as a free elective.
3. Courses required to complete a major or an academic minor may be included in the pass/fail option at the discretion of that department, require the chairperson's signature, and may not be counted for General Education credit.

**WITHDRAW FROM A COURSE (W)**

After the drop period, you may withdraw from a course until 4 p.m. the Friday of the ninth week of classes. You need to complete a course withdrawal form and have it signed by the course instructor. If you have earned fewer than 60 credits, you must also have the withdrawal card signed by your Advisor. Once you have the required signatures, submit the form to the Registrar's Office. A 'W' will be recorded in the permanent record and will not be calculated in the quality point average (QPA). A student who withdraws from all courses is automatically withdrawn from the University.

**WITHDRAWAL FROM THE UNIVERSITY**

Students who wish to withdraw from the university may do so by completing a "Withdrawal from Mansfield University Form" which is available online at <http://records.mansfield.edu/>. Upon receipt of the form, the administration will promptly notify all appropriate offices, including the student's advisor and course instructors. On-campus students are responsible for checking out of their residence hall by contacting a staff member.

Students who leave the university without properly notifying the university for other than extenuating circumstances (as documented by a physician, counselor, or other appropriate individual) will receive a grade for each course based on the total semester.

All students who have withdrawn and who desire admission to the university must file an application for readmission.

Students who apply for readmission within one calendar year of the date of withdrawal will have the application fee waived. Except for extenuating circumstances (e.g. medical reasons), students are not guaranteed readmission.

Completion of a 'Withdrawal from the University' must be done by the last regular class day of the semester.

Withdrawal from the University is likely to have serious financial ramifications. Students are encouraged to discuss such action with a financial aid officer if they are receiving financial aid.

### **AUDIT (AU)**

Students interested in auditing a course (attending class, but receiving no grade or credits) must submit the Audit Form before the end of the Add Period (first seven working days of the semester). The Audit Form is available in the Registrar's Office. The class instructor must grant permission for any student to audit a course. Not all courses are available for audit. Courses with a high degree of specialized equipment, and one-on-one faculty-student interaction (such as science labs) are generally not open to audits. For fee see Expenses section III in this catalog.

### **REPEATING A COURSE**

When you repeat a course the last grade received is used in computing your cumulative quality point average (QPA). If you fail a course, you may not repeat it on a pass/fail or credit-by-exam basis.

### **GRADE CHANGE**

If an instructor makes an error in the final grade given to a student, a grade change request must be made within the first three weeks of the subsequent semester. Grade changes are not allowed after that time unless a request for an extension is made by the faculty member to the Dean of the Faculty.

### **DUE PROCESS (Appealing a Grade)**

If you wish to appeal a grade, refer to the procedures outlined in The Mountie Manual for upper classmen, or for new students, the Student Planner.

### **TRANSCRIPTS**

Official transcripts of courses taken at Mansfield University are prepared by the Registrar's Office and issued according to the following policies:

- a. Student's records are confidential. Transcripts, therefore, are issued only at the written request of the student. Requests by telephone are not accepted.
- b. No transcript is issued to or for a student who is indebted to the university until the debt has been paid in full.
- c. Official transcripts of credits(s) earned at other institutions that have been presented for admission and evaluation become part of your permanent record in the Registrar's Office and cannot be reissued or copied for distribution. Transcripts from other institutions must be obtained directly from those institutions.

- d. Official transcripts issued directly to you will only be released in a signed, sealed, embossed envelope. The envelope will bear the statement that if opened the transcript should be considered unofficial and the integrity of the document is not guaranteed by Mansfield University.
- e. Unofficial transcripts (student copy) contain the same information as an official, but do not bear the authorized signature or seal of the university.
- f. There is a \$5.00 transcript fee.

### **MINIMUM ACADEMIC STANDARDS**

All degree-seeking students must meet the minimum academic standards of the institution. The minimum academic requirements for continuation at Mansfield are:

0-16	credit hours attempted – 1.20 QPA
17-30	credit hours attempted – 1.40 QPA
31-45	credit hours attempted – 1.60 QPA
46-60	credit hours attempted – 1.80 QPA
61+	credit hours attempted – 2.00 QPA

Credit hours attempted include transferred credit hours.

### **ACADEMIC PROBATION**

A matriculated student whose cumulative quality point average (QPA) is between the minimum academic standard and 2.00 at the end of a semester is placed on academic probation until the QPA is 2.00 or above.

Probationary status does not mean that a student is dismissed from the University. It means that although the minimum academic requirements have been met, the QPA is not acceptable for graduation. A student on probation receives a letter from the university about probationary status and subsequent assignment to the Academic Advising Center.

With the assistance of an advisor, students develop strategies for improvement and take advantage of available academic support services.

### **ACADEMIC DISMISSAL**

A degree seeking student who earns a cumulative quality point average (QPA) that is below the required minimum academic QPA at the end of any semester will be dismissed from Mansfield University. The minimum QPA varies depending upon how many credits you have attempted at Mansfield University and how many credits the university has accepted in transfer. (See "Minimum Academic Standards" above.) If you are academically dismissed, you may be reinstated to the university by appealing to and appearing before the Academic Standards Review Board prior to the beginning of the next semester, or you may apply to the Admissions Office for re-admission following an interval of one year. The decision of the A.S.R.B. is final and may be appealed only in instances of alleged discrimination or failure of the board to properly follow university specified procedures and policies. Students who are reinstated by the A.S.R.B. would be given two semesters to acquire the necessary Q.P.A. for continued matriculation. This is contingent upon earning a minimum 2.0 semester Q.P.A. for the semester immediately following their 1st dismissal. A student who has attempted 45 or fewer credits and is academically dismissed and is then subsequently reinstated by the Academic Standards Review Board will be assigned to the University Learning Center to participate in the Academic Skills Development Program and will be assigned an advisor in the Academic Advising Center. The purpose is to help the student improve his / her overall academic

performance. Failure to participate in the Academic Skills Development Program will be considered at any subsequent dismissal hearing. Academic dismissal may impact your eligibility for financial aid. A second or subsequent dismissal terminates your association with Mansfield University.

### **CLASS STANDING**

Class standing is determined by the total number of semester hours earned including credits accepted in transfer from other accredited colleges.

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

### **DEAN'S LIST**

The Dean's List is issued at the close of each semester. It includes only undergraduate matriculated students. You must earn at least 12 credits for which a letter grade is received (P/F and S/U grades are excluded). The semester quality point average (QPA) must be between 3.50 and 3.99 inclusive.

### **PRESIDENT'S LIST**

The President's List is also issued at the close of each semester. It includes students who fulfill the above requirements and attain a semester quality point average (QPA) of 4.00.

### **INTENT TO GRADUATE**

Candidates for the Associate Degree or Bachelor's Degree must complete the Intent to Graduate form available online at <http://records.mansfield.edu/> one year prior to their anticipated graduation.

Students are encouraged to participate in the graduation exercise which recognizes and honors their academic accomplishments.

### **COMMENCEMENT HONORS**

Superior scholastic achievement is recognized at Commencement. Bachelor's degree students must have completed at least 45 credit hours at Mansfield University prior to their final semester to receive honors recognition at Commencement. Honors designations are based on cumulative quality point average (QPA) as indicated:

Cum Laude	3.35 to 3.64
Magna Cum Laude	3.65 to 3.94
Summa Cum Laude	3.95 to 4.00

Students who meet the honors requirements upon completion of their final semester with a minimum of 60 credit hours at Mansfield University, will have such recognition noted on their permanent record.

Associate degree students must have completed at least 30 credit hours at Mansfield University prior to their final semester to receive honors recognition at commencement. A cumulative QPA of 3.5 or higher is required for this recognition.

### **MAINTENANCE OF MATRICULATION**

Students who are off campus doing approved course work consistent with program requirements and thereby meet degree or program requirements in effect at the time of initial matriculation are considered to be in a continuing matriculated status.

## READMIT POLICY

Matriculated students who have not been in regular attendance during the previous semester must apply for readmission to the university. This does not apply to non-matriculated students.

Readmit applications must be submitted, along with the appropriate fee, by March 1 for the fall semester and November 1 for the spring semester. A statement should accompany the application about activities, including such information as employment, college course work completed, or military service. The application fee may be waived for students who provide a letter to the Office of Admissions citing reason(s) for withdrawal and stating expected return entry date.

Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission. Before students are readmitted they must clear all outstanding university-related debts.

## COURSE TIME LIMIT

Mansfield University welcomes the return of students who for a variety of reasons have not completed their undergraduate degrees. Courses completed, either at Mansfield or in transfer, more than ten years prior to the date of readmission will not routinely be counted towards graduation requirements. The content of these courses may no longer be current or required for a current degree program. Students may apply, via a petition that includes specific justification for a waiver, to have course work older than ten years applied toward a degree. Any such petition may need to address courses individually. Nothing in this policy precludes a department from establishing more stringent standards.

## CERTIFICATION

The State Board of Education has recently adopted changes to the regulations governing teacher certification in Pennsylvania. These changes will affect every teacher education program in the state. Although teachers will no longer be certified under the existing regulations as of January 1, 2013, the new regulations had not been published in final form as of the date that this catalog became final. The university will revise its teacher education curriculum to comply with these new regulations once they are published, and the revised program will be required for all students who enter effective in the Fall of 2009. Students who enter existing teacher education programs may complete their degrees and obtain certification under the current rules **only** if they complete the degree program and apply for certification prior to December 31, 2012. Students who plan to complete their degree and apply for certification after that date may wish to change to the new curriculum once it is approved.

### Teacher Education Certification

The Teacher Education Unit is responsible for all teacher certification programs at Mansfield University regardless of the department that houses the program. The Unit is nationally accredited by the National Council for the Accreditation of Teacher Education (NCATE) at both the undergraduate and graduate level. The Unit prepares teachers who have the knowledge, skill, and dispositions to meet the demands of public education in the twenty-first century.

The Teacher Education Unit's guiding principle is that of "Teacher as Reflective Decision Maker." The Unit has adopted Charlotte Danielson's Framework for Teaching as the conceptual framework for guiding students in their development as reflective decision makers. This framework centers on four domains or areas of teacher responsibility: Planning and Preparation; Classroom Environment; Instruction; and Professional Responsibility.

Programs in the unit include:

Program	Home Department	Type of Certification
Art Education BSE	Art	K-12 Art Education
Music Education BSE	Music	K-12 Music Education
Elementary Education BSE	Education and Special Education	K-6 Elementary Education
Early Childhood additional certification	Education and Special Education	N-3 Early Childhood (must hold Elementary certification)
Special Education BSE	Education and Special Education	N-12 Special Education
Dual Program Elementary and Special Education	Education and Special Education	K-6 Elementary Education and N-12 Special Education
Social Studies—History BSE	History and Political Science	7-12 Social Studies
English BSE	English and Modern Languages	7-12 English Education
Spanish BSE	English and Modern Languages	K-12 Spanish Education
French BSE	English and Modern Languages	K-12 French Education
German BSE	English and Modern Languages	K-12 German Education
Chemistry BSE	Chemistry and Physics	7-12 Chemistry Education
Physics BSE	Chemistry and Physics	7-12 Physics Education
Earth and Space Science BSE	Geography and Geology	7-12 Earth and Space Science Education
Mathematics BSE	Mathematics	7-12 Mathematics Education

### **Advancing in the Teacher Certification Program**

Students entering the university select an education program and are admitted as a major in that program. For example a freshman or transfer student might choose to be an Chemistry Education major in the Chemistry Department. Once the student has chosen a major, then he or she progresses through the gates in the program. Education majors are evaluated at three stages in their program. Mansfield evaluates student preparation based on national standards and Pennsylvania Act 354 requirements. The student must complete all three gates to be recommended for certification. Students will receive written confirmation that they have met Gates One and Two. Gate One must be completed before taking upper level (courses numbered 3000 and above) education courses. Gate Two must be completed before beginning student teaching. Gate Three must be completed before recommendation for certification. Each department may have additional requirements specific to their specific Education program. See the individual program descriptions in this catalog or contact you education program advisor for more information. As part of the NCATE accreditation process dispositions of teacher candidates will be assessed. Please see the Teacher Education Handbooks for more details.

**Gate One:** Students completing the following requirements after August 29, 2004 will be designated a Teacher Education Certification Candidate (TECC). Students must be a TECC in order to register for upper level courses number 3000 and above. To become a TECC, the student must:

- complete a minimum of 48 hours of course work which may include transfer hours;
- have a Quality Point Average (QPA) of 3.0 or higher);

- complete two college level mathematics courses; and one English Literature course and one English Composition before becoming a TECC (Math 0090 and English 0090 or developmental or remedial transfer courses do not meet this requirement);
- pass the Introduction to Education (ED 11 02) course;
- pass the Praxis I certification test (Students transferring into Mansfield University from another institution and who have met all other Gate One requirements may be designated a probationary TECC. They will have one semester after admission to Mansfield University to pass the Praxis I);
- complete criminal background and child abuse clearances.
- See program description or advisor for additional program specific requirements.

**Gate Two:** Students wishing to be admitted to Student Teaching must complete the following requirements:

- have a Quality Point Average (QPA) of 3.0 or higher for those students admitted to TECC after August 29, 2004;
- complete all education courses except student teaching and professional seminar; students wishing to take non-education courses after student teaching must petition the appropriate department chair and the Director of Teacher Education.
- Student Teacher Clearances  
Updated criminal background and child abuse clearances are absolutely necessary in order to student teach. All students must have the appropriate documentation by the following deadlines. Student teaching placements will be revoked unless this requirement is met. Fall Student Teachers: Clearances must not be dated prior to February 1st of the year that student teaching will take place. In addition, all clearances must be turned into The Educational Field Experience Office in Retan Center no later than June 30th. Spring Student Teachers: Clearances must not be dated prior to June 15th of the year prior to student teaching. In addition, all clearance must be turned into The Educational Field Experience Office in Retan Center no later than September 30th.
- See program description or advisor for additional program specific requirements.

**Gate Three:** Students who wish Mansfield to recommend them for Teacher Certification must complete the following requirements:

- pass the Praxis II certification tests;
- complete the appropriate Education degree with a QPA of 3.0 or higher for those students admitted to TECC after August 29, 2004;
- apply for Pennsylvania Teacher Certification, repeating criminal background and child abuse clearances if they have expired.

For information and registration for Praxis I and Praxis II exams, contact the Career Development Center at 570-662-4133. For more information on specific program requirements, see the individual program descriptions in this catalog or contact your education program advisor. For more information about becoming a TECC, contact your education program advisor or the Teacher Certification Officer at 570-662-4873. Information for obtaining clearances and participating in Field Experiences, contact your education program advisor or the Field Experiences Office 570-662-4024.

Applicants wanting endorsement for teacher certification (initial or added) by Mansfield University must contact the Field Experience Office, Retan Center and complete or submit the following:

1. Personal interview with the Certification Officer, if requested.



2. Complete application. Application forms are available in the Field Experience Office, Retan Center.

Official transcripts of all college work completed must be sent directly to the Field Experience Officer at Mansfield University.

### **Federal Title II**

In October 1998, the U.S. Congress enacted Title II of the Higher Education Act (HEA). It includes requirements for institutions and states to report on teacher preparation. The purpose of Title II reporting is to provide the public information on the quality of teacher preparation. The U.S. Department of Education Title II report to congress for 2006 is based on students who completed their certification programs or degrees between September 1, 2005 and August 31, 2006.

Pennsylvania requires two series of certification tests. Praxis I consists of Reading, Writing, and Mathematics tests. Praxis II consists of a Fundamental Subjects: Content Knowledge for K-6, K-12 or N-12 areas, plus one specialty test depending on the teaching area. Students in the Mansfield University teacher education program must complete from 4 to 5 certification tests depending on their teaching area or areas. Students often complete certification in more than one area.

Title II data is compiled on students who have successfully completed teacher preparation programs and are eligible for certification. In 2005-2006, a total of 136 people completed teacher certification programs at Mansfield University and 135 of those took one or more certification tests. These 135 people took a total of 645 tests. 131 passed all the tests they attempted for an institutional summary pass rate of 98% compared to a statewide summary pass rate of 96%. Federal reporting guidelines mandate providing aggregate pass rates in a number of categories. Those aggregate categories and pass rates are:

- Aggregate Basic Skills: 135 people took the tests in this category, with 0 not passing all the tests they attempted for an aggregate institutional pass rate of 100% compared to a state wide rate of 99%.
- Aggregate Academic Content Areas (Math, English, Biology, etc.): 148 people took the tests in this category with 5 not passing all tests they attempted for an aggregate institutional pass rate of 7% compared to a state pass rate of 5%.
- Aggregate Teaching Special Populations (Special Education): 21 people took the tests in this category with 0 not passing all tests they attempted for an aggregate institutional pass rate of 100% compared to a state wide pass rate of 100%

Additional information and the complete Title II report may be obtained from the Registrar's Office, Doane Center, Mansfield University, Mansfield, PA 16933.

### **SECOND BACCALAUREATE DEGREE**

A student who possesses a baccalaureate degree may earn a second bachelor's degree upon completion of the following requirements: 1) a minimum of 30 credit hours at Mansfield following the first degree (internships, observation/participation, and student teaching credit hours are not counted in the required minimum), 2) all requirements for the major in which the second degree is to be earned, 3) General Education is considered closed on the first degree except any specific General Education requirements for the second degree if not already completed, and 4) earn at least a 2.0 cumulative quality point average (QPA) in all work attempted and in the major. The QPA of the original degree will be "sealed". There will be a new and totally distinct QPA for the new degree.

### **ADDING MAJOR(S) TO A COMPLETED BACCALAUREATE DEGREE**

A graduate of Mansfield University may readmit to add new major(s) to a prior degree. You must be accepted by the department offering the program of study and fulfill all the requirements for the new major. Any courses required in the new major that were completed prior to returning to Mansfield will be waived. General Education will be considered satisfied, except specific requirements for the second major, if they have not already been completed.

The QPA of the original degree will be “sealed”. There will be a new and totally distinct QPA for the new major(s). You must maintain a minimum QPA of 2.0 in work taken after the baccalaureate degree to remain at Mansfield. There are no minimum number of hours which must be completed after receipt of the degree in order to add a new major.

Upon completion of all requirements, a notation will be made on the permanent record indicating the new major(s) and the date completed.

### **DUAL/MULTIPLE MAJORS**

Students may complete multiple majors within the same degree; that is, a B.A. major may be added to a B.A. degree, a B.S. to a B.S., etc. The first major selected is considered primary. The one exception to this is the Liberal Studies major. A student may not declare Liberal Studies as a second major. Students may also complete two majors that do not lead to the same degree (B.A., B.S., B.M., etc.). To complete two majors leading to different degrees, the student declares the first major and the second major. The first major determines the specific degree awarded, and successful completion of the second major is noted on the student’s transcript (“Successfully completed requirements of the academic major in \_\_\_\_\_.” Completion of two different majors does not result in the award of two degrees.

### **ACADEMIC MAJOR/MINOR REQUIREMENTS**

The requirements for your major and/or minor appear on the Degree Audit, which is maintained in the Registrar’s Office. You must complete the major/minor requirements that exist at the time you are admitted to the university. Should major/minor requirements change, it affects only new students and currently enrolled students who may choose to satisfy the new program requirements. Students readmitted following a break of more than one semester fall under all university policies in effect at the time of readmission.

### **ACADEMIC MINOR**

A minor consists of no less than 15 and no more than 24 related credit hours in an approved program of study. The minor is a clearly defined area of study that is sufficiently distinct from a student’s academic major to qualify for recognition on the transcript. Students may apply up to 8 credits from the core discipline of their major to an academic minor. Students must attain a minimum 2.0 cumulative quality point average (QPA) in all courses required.

The Bachelor of arts degree candidate must choose between a minor or second year foreign language proficiency. To earn a Mansfield University minor, students must complete at least 50% of the required minor course work from Mansfield University. Though not a requirement for other degrees, a minor can be used to enhance your academic experience and will appear on your permanent record. Forms for declaring an academic minor are available online at [://records.mansfield.edu/](http://records.mansfield.edu/).

### **CHANGE OF MAJOR/MINOR**

Change of major or minor forms are available online at [://records.mansfield.edu/](http://records.mansfield.edu/).

## **UNDECLARED ACADEMIC EXPLORATION PROGRAM MAJORS**

Entering students who are not ready to choose a major may be accepted as Undeclared. An advisor assists the student in choosing courses to fulfill General Education requirements and advise them about introductory courses as a means of selecting a suitable major. An undeclared student should choose a major after the second semester freshman year; however, all students must declare a major by the time they have earned 64 credit hours.

### **PETITION**

**Program Variance:** under special circumstances, curriculum requirements may be modified. A department chairperson may substitute or waive major course requirements by informing the Registrar's Office in writing of such requested program change. Students may petition the Provost for other program variances.

**Waiver of University Policies or Regulations:** when any rule or regulation of the university causes an unfair hardship, you may petition the Provost for an exception. You should contact your advisor for assistance in preparation of a petition. Petitions are available online at <http://records.mansfield.edu/>.

## **ALTERNATIVES TO TRADITIONAL STUDY EXPERIENCES**

### **Advanced Placement (AP)**

We accept high school courses taken prior to admission to the university under the national Advanced Placement (AP) program. A minimum score of three on the qualifying examinations is required for award of credit. No more than 12 credits earned by such examinations may be applied toward graduation requirements.

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

We participate in the national College Level Examination Program (CLEP). Mansfield University grants credit for CLEP SUBJECT examinations, but does not grant credit for the CLEP GENERAL examination. Subject examinations are available in the areas of business, composition, education, foreign languages, humanities, mathematics, science, and social science.

CLEP is a way to earn college credits for what you have already learned and may shorten your college experience. Information regarding CLEP examinations is available from the Admissions Office.

### **Credit by Exam (EX)**

Matriculated students who feel they have already mastered the material in a Mansfield course may request permission to challenge the course by examination. Students may elect this option during the first seven working days of the semester. This does not include courses in the areas of independent study, ensemble or other group participation courses, student teaching or pre-professional experience, seminar or selected topics, and laboratory experience unless special permission is provided by the department offering the course and the Office of the Provost.

Students may not challenge a course in which they have demonstrated competency by passing a more advanced course nor a course which has been waived because of demonstrated competency or advanced placement. The examination must be completed and the contract returned to the Office of the Provost within the first four weeks of the semester. Applications are available online at <http://records.mansfield.edu/>.

## Graduate Courses

As an undergraduate student at Mansfield, you may enroll in a graduate course (500 level) if you are within 18 semester hours of having satisfied the requirements for a bachelor's degree (as certified by the Registrar's Office).

Graduate courses may be applied toward the undergraduate degree requirements upon completion of the "Request for Permission to Enroll in Graduate Courses" request. The request form is available online at <http://records.mansfield.edu/> and satisfactory completion of such course(s).

Graduate courses may count for graduate credit upon conferral of the bachelor's degree if these credits raise your total beyond the number required for the bachelor's degree. This does not imply automatic admission into the Graduate program.

## Military Service Credit

Veterans having completed a minimum of basic training with honorable service in the United States Service Branches (DD 214) may apply for three credits in HPE (Health & Physical Education). In addition, credit may be awarded for service training programs based on an official military transcript and recommendations in the American Council on Education Guide.

## Study Abroad and International Exchanges

A world of opportunity exists for Mansfield students who participate in international exchanges or study abroad. We offer direct exchange programs with Charles Sturt University in Australia, Volgograd State University in Russia, Friedrich-Schiller-Universität in Jena, Germany, the Institute of Political Science in Toulouse, France, Nipissing University in North Bay, Ontario, and University College Cape Breton in Sydney, Nova Scotia.

Through Mansfield University's membership in the International Student Exchange Program (ISEP), the world's largest student exchange program, you can study at over a hundred other universities in nearly forty other countries where you can take courses in English and in many other languages. In the past few years, Mansfield students have studied in Bulgaria, Chile, China, Iceland, Netherland, Poland, Scotland, Spain, South Africa, Sweden, Thailand, and Ulster, along with Australia, Russia, Germany, France, and Canada. You may also participate as a visiting student in international programs at other Pennsylvania State System of Higher Education universities or in approved programs offered by other US and foreign institutions of higher education.

Contact the Study Abroad office or the Registrar's office for information about available programs and an application file. Most study abroad programs require two academic recommendations and a GPA of 2.75, but some programs require a 3.0. You should consult the study abroad director and your academic advisor to determine the status of study abroad programs, grade transfer policies, and how the courses taken abroad will meet general education or major program requirements. You can opt to receive a Pass or Fail grade for up to 15 credits of course work per semester abroad.

The cost of study abroad programs varies, but most are affordable. Our goal is to offer you a semester abroad at roughly the same cost as that of a resident student at Mansfield. Financial aid and study abroad scholarships are available for qualified students.

## Visiting Students

Students enrolled full-time at a SSHE university may elect to participate in The Board of Governors' Visiting Student program offered at sister institutions for a limited period of time. Information regarding the Visiting Student program is available from the Registrar's Office.

## **Independent Study and Individualized Instruction**

### **Guidelines for Independent Study and Individualized Instruction**

Independent Study and Individualized Instruction provide academic opportunities that can enhance a student's education. They also are offered at considerable financial cost if one considers the number that may be supported across the university in a particular semester. Approval of these activities requires a careful consideration of academic, individual, and financial considerations. These guidelines are based primarily on the current Mansfield University Catalog. Phrases are underlined for emphasis. Bullets are added to note administrative expectations designed to promote fair and consistent decisions about these activities.

Independent Study (IS) is available in each curricular field. The appropriate curricular prefix precedes the course number 4497, and the credit hours vary from one to three. Independent Study may be repeated for more than three credit hours total, but each Independent Study project may be for no more than three credit hours.

Independent Study is an activity initiated by you to increase your already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field. To request approval for an Independent Study, prepare a contract (available online at <http://records.mansfield.edu/>.) which then must be completed and approved by the faculty director, department chairperson and Office of the Provost. A request for Independent Study must be completed prior to the start of the semester or summer session for which the Independent Study is sought.

Independent studies will be approved only where there is sufficient evidence of the potential of the study to advance the student's scholarly development.

All requests for Independent Study should be accompanied by an appropriate and scholarly proposal that has been carefully reviewed by the student and the faculty member director who will supervise the independent study.

The proposal should include a plan of activities to be undertaken, the "products" to be expected from the study (for example, a paper, a performance, a research report, or presentation to a departmental symposium), a timetable for the study and an estimate of the amount of effort that will be applied to the study so that the appropriate amount of credit can be assessed. Only in rare instances would more than two independent study proposals be approved as part of a student's curriculum.

Individualized Instruction (II) is available on a restricted basis. Ordinarily permission to take a course by Individualized Instruction is reserved for students who are close to graduation and who have not been able to meet a degree requirement either because he course has not been available or because of some other mitigating circumstance.

A student's decision to move from the Mansfield area or a conflict with another obligation, such as a job, would not normally be sufficient to justify an Individualized Instruction. A call to military service or a serious extended illness, on the other hand, may be viewed as sufficient mitigating circumstances.

An Individualized Instruction would not normally be approved if there is evidence that a student delayed taking a course or dropped a course earlier in their academic career and did not make a clear attempt to complete it as part of a regular schedule.

In instances where there are repeated requests from a department to offer a course via Individualized Instruction, it would be advisable for the department to reassess their ability to support the curriculum.

A request for a course by Individualized Instruction (available online at <http://records.mansfield.edu/>), must be completed and approved by the faculty director,

department chairperson, and the Office of the Provost. A request for Individualized Instruction must be completed prior to the start of the semester or summer session for which the individualized instruction is sought.

Requests for Individualized Instruction should be accompanied by a detailed justification and explanation of the mitigating circumstances that require the course to be taken in this manner, a current course syllabus that outlines the material to be covered, a timetable for the instruction, and the means of assessment that will be applied to determine the grade assigned.

### **HUMAN SUBJECT RESEARCH POLICY**

Research projects undertaken by Mansfield University students, staff, or faculty members must be approved prior to involvement of human subjects and the initiation of the research project. The review process is intended for the protection of the human subjects and shall be the sole object of the review. The Mansfield University Institutional Review Board (IRB) is the final authority in determining approvals of human subjects research. To apply for a request for review of research, contact your department chairperson who will give you a copy of the guidelines, application form, and a sample informed consent form. You must submit two copies of the Request for Review of Research form and one copy of the Informed Consent form to your department chair. Depending on the nature of the research, and the potential risks to subjects, the department will undertake a departmental review of the application, or they will forward it to the IRB Chairperson for board review. Copies of the IRB guidelines and forms are also available at the university web site: <http://www.mansfield.edu/~grantsde> or by contacting Dr. Francis Craig, Chairperson of the IRB, Hemlock Manor. Persons undertaking human subjects research should plan to submit their applications at least 3-4 weeks prior to the proposed research project start.

### **SEXUAL HARASSMENT POLICY**

Harassment on the basis of sex is a violation of Title VII of the U.S. Civil Rights Act, Title IX of the Education Amendments of 1972, and of the Pennsylvania Human Relations Act. Because the University is committed to providing an environment where each person can learn and work to his or her fullest capacity, the university does not tolerate sexual harassment.

Sexual harassment is defined as unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature. Sexual harassment occurs when:

1. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment, or a student's academic status or treatment.
2. submission to or rejection of such conduct by an individual is used as the basis for academic or employment decisions affecting such individual; or
3. such conduct has the purpose or effect of unreasonably interfering with an individual's work or academic performance or creating an intimidating, hostile, or offensive working or academic environment.

Individuals who believe themselves to be the victims of sexual harassment, or who have questions about the university's policy on this matter should contact the Advocacy Office, Pinecrest 109, or call (570) 662-4050.

Existing affirmative action guidelines are used in processing complaints.

## HANDICAPPED POLICY

Section 504 of the Rehabilitation Act of 1973 provides that Any otherwise qualified handicapped individual shall, solely by reason of his/her handicap, be excluded from the participation in, be denied the benefits of, or be subject to discrimination under any program or activity receiving federal financial assistance. Section 504 prohibits discrimination against handicapped individuals in recruitment, testing, admissions, or after being admitted to a college/university. Mansfield University is committed to making the necessary adjustments in order that persons who are mentally and/or physically challenged are able to fulfill academic requirements and to ensure that they are not excluded from employment or services because of their disabling condition. Inquiries should be directed to the Human Resources, Alumni Hall 118, or call (570) 662-4050.



# STUDENT LIFE

## RESIDENCE HALL LIVING

The community living environment, provided through our residence halls, enables you to gain invaluable educational and personal experiences. While residence hall living presents many opportunities and conveniences, it also challenges you to demonstrate appropriate behaviors and live within university and societal expectations.

We can accommodate 1,770 students in our four residence halls. To meet the interests of our diverse student body, a variety of housing options are available, including single sex, co-educational, wellness floors, and special interest housing. In addition, standard double rooms, single and mini-single rooms (space available basis) are available. To help ensure a positive living environment, each hall is supervised by a full-time, live-in professional staff member who is assisted by student staff members who live on each residence hall floor. All residence halls are smoke free.

Since our residence halls are homes away from home for our students, we have furnished and equipped them to meet students' needs. In addition to furniture, each room is equipped with cable TV hookup and phone outlet, and we provide computer network access for each student. Each residence hall has laundry facilities, computer labs, kitchenettes, study lounges, and comfortably furnished lounges for informal gatherings. You can also opt to rent microwave/refrigerator combination units. Our halls are the focal point for a variety of educational, recreational and social programs and activities. Some halls also have weight rooms.

Comprehensive information about residence hall living, on-campus residency requirements, and room assignments is in the university student handbook, the residence life handbook, the residence life brochure, and on our web site. All students are required to live on campus unless they are commuting or meet other criteria delineated in *The Student Handbook*.

## STUDENT ACTIVITIES

"Shaping Tomorrow's Leaders Through Involvement" is the motto of the Student Activities Office, recognizing that the university experience involves learning both in and outside of the classroom. To ensure a positive out-of-class educational experience, we offer a wide range of activities to supplement the in-class learning, to provide you with opportunities to gain valuable hands-on experience and to strengthen interpersonal skills. The Student Activities Office coordinates a variety of social, cultural, and recreational programs. A comprehensive listing of campus activities can be found on the Calendar of Events on our web site.

## STUDENT ORGANIZATIONS

We have over 100 active clubs/organizations and a wide variety of music ensembles, both vocal and instrumental, that provide outlets for student interests as well as opportunities for students to sharpen personal skills and strengthen both leadership and organizational skills. Many of the activities planned by these organizations are funded by student activity fees.

Although participation in student organizations provides opportunities for having fun, developing personal skills and gaining hands-on experiences, a practical advantage for students can be to enhance your personal portfolio which could be very valuable when entering the job market. The university encourages students to selectively become involved in these opportunities.



## **STUDENT CENTER**

The Alumni Hall Student Center is a campus focal point for students to gather and relax. The Center contains space for a wide range of organized activities as well as informal gatherings. The Center houses the bookstore, a food court, game room, the Martin Luther King Jr. Resource Center, meeting rooms, organization mailboxes, TV lounge, multi-purpose room, and offices for the Student Government Association, Community-Service Learning Office, and College Community Services, Inc.

## **STUDENT GOVERNMENT ASSOCIATION**

Student opinion and input into the operations of Mansfield University are valued and fostered. Our Student Government Association (SGA) provides a forum for discussion and an avenue for students to make change.

Under the umbrella of SGA, students serve on the Executive Board, Student Senate, and a wide range of university committees. Here, alongside faculty and staff, they are part of the decision-making process of the university.

## **ATHLETICS AND RECREATION**

### **Athletics and Recreation**

Mansfield University is a member of the National Collegiate Athletic Association (NCAA) and our 14 intercollegiate teams play at the Division II level.

Women's programs include soccer, field hockey, basketball, cross-country, swimming, softball, indoor track and track. Men's programs include football, cross-country, basketball, baseball, indoor track and track.

Our recreational sports program is for students who value athletic participation but at a less competitive and more social level. We provide a broad range of opportunities in men's, women's and coed events as well as multiple groups involved in aerobics. In addition, we have both indoor and outdoor facilities for organized as well as individual students participation. The Kelchner Fitness Center provides facilities for basketball, volleyball, badminton, indoor soccer, aerobics, racquetball and dance, and includes a well-equipped fitness room. Students may use the facilities individually, in groups, or as part of our recreational sports program.

## **HEALTH SERVICES**

Primary medical care is provided at our clinic located on campus in Maple B. There is no additional cost for basic care beyond the health fee paid each semester. There is a fee, however, for specialized services such as tests and x-rays. Both the residence hall staff and University police are trained to deal with medical emergencies. Community ambulance service is available on a 24-hour basis to transport serious emergencies to local hospitals as required.

## **POLICE AND SAFETY SERVICES**

The University Police Department is located in Doane Center and is open 24 hours each day of the year. The Department staff includes 11 commissioned police officers, including the Director, and 15-20 student staff. The Department has responsibility for parking enforcement and parking permit issuance, crime prevention, criminal investigations and other related police functions, and student weapons storage.

# SERVICES FOR STUDENTS

## ACADEMIC AND HUMAN DEVELOPMENT

The University provides developmental services to students for the successful pursuit of their academic program and personal development. These services include Academic Advising, Access Programs, Athletic Mentoring, Counseling, Learning Center, Minority Mentoring, Services for Students with Disabilities, and Writing Center. In addition, all faculty within the Department of Academic and Human Development advise students selecting the Liberal Studies major.

## ACADEMIC ADVISING

The Academic Advising Center assists students in a variety of ways related to their academic work. The Center is responsible for the advising of probationary, readmitted, and reinstated students. In addition, the Academic Opportunity, Athletic Mentoring, and Minority Mentoring programs are assigned to the Center, as well as the Academic Standards Review Board (ASRB).

All students with a QPA below 2.0 are required to make regularly scheduled appointments with their advisor throughout the semester. An advisor can help students make plans and take specific action to improve their academic progress. The goal of the Advising Center is to serve as a resource area and to help students adjust to college.

Effective academic advising involves a strong relationship between the advisor and the advisee. At Mansfield University, academic advising assists students in developing their educational and career goals. Mansfield University recognizes advising as a shared responsibility of both the student and the advisor. The Mansfield University Advising Center promotes this model throughout the university community.

## ADVISING CENTER

The Advising Center is dedicated to the advising of, academic exploratory students, academic opportunity students, and probationary, readmitted, reinstated and qualifying students assigned to the Center.

## ACCESS PROGRAMS

There are two academic support programs assisting individuals who have potential to be successful college students, but do not qualify for regular admission to the University: the Act 101 and the Academic Opportunity Program (AOP), located in South Hall.

The Act 101 program supports Pennsylvania residents whose cultural, economic, or educational backgrounds might impair their ability to pursue higher educational opportunities successfully. The Academic Opportunity Program (AOP) is designed for students who did not do well enough in high school to qualify for regular admission to the University.

Both programs help to develop their academic skills. Students accepted through these special programs become regular matriculated students with the same opportunities and responsibilities as other students in accord with university policies and procedures.

## ATHLETIC MENTORING

Student-athletes can look toward the Athletic Mentor/Academic Advisor for guidance in developing and achieving their academic and career goals. Through individual and group advising, this program assists student-athletes in establishing necessary links to various university resources provided by the Academic and Human Development Department. Referrals are also made to auxiliary services.

The mission of the Athletic Mentoring Program is to maintain intercollegiate athletics as an integral part of the campus educational program and the athlete as an integral part of the student body. With this in mind, the NCAA CHAMPS/Life Skills Program was implemented at Mansfield University to support the student development initiatives and to enhance the quality of the student-athlete experience within the university setting. The Athletic Mentor/Life Skills supports a student-athlete's development in four areas; academics, personal development, career development and community service.

### **BOOKSTORE**

The Campus Bookstore is operated by College Community Services, Inc. The store is open from 8 AM to 4 PM Monday - Friday and 10 AM to 1 PM on Saturdays during the fall and spring semesters. During the summer sessions, the store is open 8 AM to 4 PM Monday through Friday. Also, during the first week of classes, the store is open extended hours, as posted, to aid students in purchasing textbooks, dorm supplies, health and beauty aids, class supplies, clothing, etc. The bookstore is located on the main floor of the Alumni Hall Student Center. Textbooks are located on the upper level of the store while supplies, clothing MU logo items, stationary, health and beauty aids, etc., are all found the lower level. Reserve your books online at [mansfieldbookstore.com](http://mansfieldbookstore.com) and have the first chance at used textbooks.

### **COUNSELING CENTER**

The University Counseling Center provides free counseling services to all university students and staff. Our primary purpose is to help people grow in a positive and productive direction. We will assist you in understanding yourself, your feelings and emotions, your personal problem areas, and your educational concerns. We will develop a strategy with you to assist in reaching your goals and in helping you to live more effectively. Counseling sessions are tailored to each individual client. In addition to personal counseling, the counseling staff assists with student advocacy, mediation, career exploration, and consulting with classroom faculty.

### **LEARNING CENTER**

The Learning Center offers tutorial assistance and professional consultation for students who wish to improve basic reading, writing, computational and/or computer skills or extend their knowledge in academic content areas. The center is staffed by professionals, paraprofessionals, and peer tutors. It includes a computer lab and small software library. A peer tutorial component is also housed within the center to assist individuals or small groups in most subject areas.

### **SUPPORT**

#### **MINORITY MENTORING**

SUPPORT monitors the academic progress of racially/ethnically underrepresented students at Mansfield University.

SUPPORT services include academic workshops, developmental academic advising, to include group and individual sessions, and appropriate referrals to other supportive services, e.g. counseling, tutoring, career services, and faculty office hours. Peer, faculty, and alumni mentors are also available, as a major component of the program. SUPPORT also offers an interactive, informational web site and a Minority Alumni Network.

SUPPORT is designed to increase the likelihood for minority students to enjoy academic success, healthy personal growth and to help each student successfully navigate the academic systems that drive Mansfield University.

## **SERVICES FOR STUDENTS WITH DISABILITIES**

The Office of Students with Disabilities (SSD) is the main advocate for students with disabilities who request academic accommodations at the University. It is our goal to assist you in gaining appropriate and reasonable accommodations, enhancing your ability to pursue a meaningful college experience.

After submitting pertinent documentation, we will attempt to address all reasonable accommodations appropriate to your needs. Current accommodations include, but are not limited to, special residence hall living requests, on-campus transportation, early academic scheduling, a variety of testing accommodations, note takers, readers, interpreters, assistance in acquiring "Books on Tape," and relocating class sections to aid access.

You are encouraged to contact the coordinator of Services for Students with Disabilities to discuss any accommodations. Early notification is critical when seeking physical or academic course material accommodations.

## **WRITING CENTER**

The Writing Center is an integral part of the University's Writing Across the Curriculum program. Professional and peer-writing tutors help students develop effective writing and editing strategies that support the formal writing instruction presented in various courses throughout the curriculum.

## **CAREER CENTER**

The CC provides students and alumni with a wide range of services, including career exploration and planning, interest inventories, resume and cover letter writing and critique, practice interview sessions, on-campus recruitment interviews and job fairs. The CC maintains a current resources library providing information on employment trends, occupational choices and continuing education options. Job opportunities are posted electronically through the CC. Internships and other work/learning experiences are also coordinated by the CC. The CC sponsors several workshops and special events throughout the academic year.

The Career Center administers testing services for Mansfield, including CLEP and Miller Analogies Test (MAT).

For more information about the CC, please visit us on the web at [web.Mansfield.edu/career](http://web.Mansfield.edu/career).

# STUDENT POLICIES

## EDUCATIONAL RECORDS CONFIDENTIALITY POLICY

We collect and maintain data and information about students for designated periods of time and for the express purpose of facilitating their educational development. We recognize the privacy rights of individuals, as guaranteed by the Family Rights and Privacy Act of 1974 and the Pennsylvania Right-to-Know Law of 1957. We attempt to balance those rights with the institution's need for information relevant to the fulfillment of its educational missions. As such, the university has an approved policy on the confidentiality of student records which outlines all procedures that apply to the collection, maintenance and release of such records. Copies of this policy are on file in the library or may be obtained at the Student Affairs Office, 516 North Hall.

You should be aware that the following information is considered public information and may be made available without prior consent. It is considered part of the public record of a student's attendance: name, address, phone number, date/place of birth, major, participation in activities/sports, weight/height of members of athletic teams, dates of attendance, degrees/awards received and most recent educational institution attended. Any student wishing to prevent the public disclosure of this information may request so by contacting the Office of Student Affairs prior to the close of the first week of classes of any given academic semester. Such a request, however, must be to prevent the public disclosure of all the aforementioned information.

## SMOKING/TOBACCO POLICY

The Mansfield University policy on smoking and the use of smokeless tobacco is consistent with both the Pennsylvania Clean Air Act and policies established by the Board of Governors for the State System of Higher Education. Concerns with this policy or reports of violation of this policy should be directed to the Vice President for Administration and Finance.

1. Smoking or the use of smokeless tobacco products is not permitted in Mansfield University buildings, except in an area or individual office that has been designated as a smoking area. Classrooms, laboratories, reception areas, common areas, conference rooms or other places where classes, committees, or other public groups may convene are not to be designated as smoking areas. Entrances to buildings will be appropriately signed to indicate that smoking is permitted in designated areas.
2. The use of smokeless tobacco is only permitted in smoking areas. Users of smokeless tobacco products are to discard expectorant in toilets and not in common ash trays or common waste containers.
3. The Vice President for Administration and Finance (VP A&F) is responsible for the designation of smoking areas within buildings other than residence halls. Requests to a) designate a new or additional smoking area or b) to delete the designation of an area for smoking should be addressed to the VP A&F. The VP A&F shall make decisions on smoking area designations consistent with this policy after consulting, where appropriate, with other cabinet members and the Administrative Affairs Committee of the Faculty Senate.
4. Consistent with this policy, smoking is also prohibited in all residence halls.

## IDENTIFICATION CARDS

A university identification card (I.D.) is issued to students, faculty, and staff. I.D.s are examined at the library, at athletic events, and at various campus activities. It must be carried at all times and shown upon request to authorized university personnel.

Replacements and new I.D.'s are available for \$10 in the CCSI Office, Alumni Student Center. ID's are also a student's meal card and can be used as a cash debit card.

### **DRUG AND ALCOHOL ABUSE**

Mansfield University is an active member of the Network of Colleges and Universities Committed to the Elimination of Drug and Alcohol Abuse. The standards of the network have also been adopted by the Board of Governors of the State System of Higher Education as policy for all state universities.

We have the responsibility to provide a drug free environment where the use of alcohol and other drugs do not interfere with learning. For this reason, the possession, distribution, and/or use of alcohol and other drugs on the Mansfield University campus is prohibited. Persons violating this prohibition will face university disciplinary sanction, and/or arrest by university police. University disciplinary actions will include an educational component to encourage the individual's acceptance of the responsibility for his/her own choices and behavior.

Mansfield University will educate and provide information to the campus community for the purpose of preventing the abuse of alcohol and other drugs. The university will also provide counseling and referrals for persons with alcohol or other drug problems.

### **MOTOR VEHICLE REGISTRATION**

Regulations pertaining to parking and vehicle use are available at the University Police Department, Doane Center, or online at [www.mnsfld.edu/~police/Parking](http://www.mnsfld.edu/~police/Parking) and are also distributed when registering your vehicle. All students, employees, and visitors who operate a vehicle on campus must register the vehicle and display the appropriate decal.

## **ORGANIZATIONS**

### **Advocacy Association**

This is an organization of individuals who provide peer education in the areas of dating violence, sexual assaults, and sexual harassment. Support is also provided to students who may become victims of dating violence, sexual harassment or sexual assault.

### **All Residence Hall Council (ARHC)**

ARHC is the governing body for the residence halls. Its purposes are to set hall council policy, approve hall council budgets, and to sponsor activities both in the halls and on a campus-wide level. ARHC is an active member of the National Association of College and University Residence Halls (NACURH). Delegates are sent to conferences on the local, regional, and national level. Membership is open to any student who lives in the residence halls.

### **Alpha Sigma Alpha**

A national social sorority, Alpha Sigma Alpha's purpose is to assist college females in growing intellectually, spiritually, socially, and physically. Participation in the Special Olympics is our philanthropic project. *Aspire, Seek, Attain* is ASA's motto.

### **Alpha Sigma Tau**

Alpha Sigma Tau is a national sorority emphasizing academics. A minimum 2.3 grade point average is necessary to participate. AST is involved in a variety of social service activities both with the local community and nationally. The motto is *Active, Self-reliant, and Trustworthy*.

### **American Choral Directors Association (ACDA)**

The ACDA chapter at Mansfield University is affiliated with the National American Choral Directors Association. The purposes of the chapter are to provide an incentive for students to become more committed to the art of choral conducting at an earlier age; to provide learning opportunities outside the classroom; to provide useful services to the choral area and music department; to encourage student leadership and direct experience with a peer motivated discovery of the choral art. Any Mansfield University student is welcome.

### **American String Teachers Association (ASTA)**

The Mansfield student chapter of ASTA is an organization open to students who play string instruments. The organization promotes a high standard of string playing and teaching in the community, schools, orchestras and on campus.

### **Anthropology Club**

The Mansfield University Anthropology Club welcomes students from all majors who have an interest in anthropology and archaeology. Interests in a broad range of social sciences, cultures, art and history are represented by the club members. The club participates in archeological digs and sponsors cultural events such as bringing Native American dancers and guest speakers to campus.

### **Aquaculture Club**

This organization plans and provides educational programs and activities in the fields of fish culture and biology, including movies, slide shows, seminars and field trips.

### **Art Acquisition/Exhibition**

This is a student committee working under the guidance of a faculty advisor. The committee plans monthly art exhibits on campus and oversees the university's permanent art collection. It also schedules and implements student art exhibits and purchases art work for the permanent collection. Open to all interested students.

### **Art Guild**

This group provides members the opportunity to experience art outside the community, through workshops and quest speakers, in an effort to expose them to art methods other than those at the University. They also strive to strengthen awareness of art in the greater community.

### **Badminton Club**

The Badminton Club is made up of Mansfield University students and staff who have a common interest in competitive badminton. Club members represent the school at several regional tournaments each year and the Mansfield Club hosts a tournament of its own each April.

### **Best Buddies**

The mission of Best Buddies is to enhance the lives of people with intellectual disabilities by providing opportunities for one-to-one friendships and integrated employment. We do this at the college level by matching college student volunteers in mutually enriching friendships with persons with intellectual disabilities.

### **Biology Club**

The objectives of the Biology Club include advancing the level of biology knowledge, providing an opportunity for interaction for students with an interest in biology and facilitating discussion on topics and careers in this field. The club accomplishes these objectives through meetings, discussions, educational programs and community service projects.

**Black Students Union (BSU)**

BSU is an academic and social support group for students interested in the promotion of the culture and interest of African-Americans, Hispanics, or other students of color. Activities are designed to encourage and motivate students to realize personal potential, achieve academically, and increase cultural knowledge. The organization coordinates and sponsors campus diversity programs promoting African-American and African cultures. The Annual KWANZAA Celebration is the most popular event.

**B-Movie Club**

This organization promotes movies that were created with a small budget, but still provide a high amount of entertainment. In addition, they are planning to undertake the filming of their own B-movie.

**Boxing Club**

This club provides an opportunity for conditioning and competition that helps promote physical and mental well-being through the science of boxing.

**Campus Crusade for Christ**

The Campus Crusade for Christ is one of several student groups on campus that provide opportunities for students to pursue interests and issues related to their spiritual needs and benefits.

**Campus Scouts**

This group provides a means of identifying with the Girl Scout movement and opportunities, through fellowship and leadership, for service within Girl Scouting and the college community.

**Cheerleaders**

Cheerleading is open to any student with an overall 2.00 QPA. Up to 16 women and 16 men are chosen through tryouts. The football squad is selected in March and the basketball squad in October.

**Chemistry Club**

The Chemistry Club gives students an opportunity to become better acquainted with the field of chemistry. Members and the student body benefit from guest speakers, films, projects, and special programs.

**Circle K**

Circle K strives to develop leadership for its members, responsibility to self and others and to educate through a positive aid to campus and community.

**Colleges Against Cancer**

The American Cancer Society's "Colleges Against Cancer" organization is a National collaboration of college students, faculty and staff dedicated to fighting cancer, volunteering for the American Cancer Society and improving college communities by instating and supporting programs of the American Cancer Society.

**Computer Science Club and Student Web**

This club is open to any student with an interest in computers. It will enhance the opportunities available to the student through guest speakers, field trips, and participation in the Pennsylvania Association of Computer and Information Science Educators (PACISE).



### **Council for Exceptional Children**

The student chapter of Council for Exceptional Children is affiliated with the national conference. Membership in the chapter is open to all college students, especially those interested in working with exceptional children. There is a membership fee for joining on the national level, which includes a monthly journal, but it is free to all students for the local level. Members have opportunities to meet and talk with professionals in the field. Specific activities are planned which promote the pre-professional development of the members. Group activities include dances for individuals in residential facilities, state and national conferences, special Olympics, and guest speakers.

### **CATS (Creative Arts Therapy Sounding)**

The Music Therapy Organization sponsors workshops, guest speakers, and representation at conferences in support of the profession of music therapy. It is affiliated with the National Association for Music Therapy Students and is open to anyone interested in music therapy.

### **Criminal Justice Club**

This club's purpose is to promote interest and understanding of the criminal justice system. The organization, open to all interested students, provides the opportunity for members to meet with professionals in the areas of law enforcement, corrections, and the court system.

### **CURV (Creating a University with Respective Values)**

This organization is for parents, families and friends of Lesbians and Gays (PFLAG) who come together to promote the health and well-being of gay, lesbian, bisexual and transgendered persons, their families and friends through support - to cope with an adverse society, education - to enlighten an ill-informed public, advocacy - to end discrimination and to secure equal civil rights.

### **Delta Zeta Sorority**

Delta Zeta sorority members have the opportunity to interact with peers, strengthen self-confidence, achieve academic excellence, develop leadership potential, and help others through national and local philanthropies. Delta Zeta supports all Anti-Hazing Laws. A minimum 2.5 grade point average is necessary to join.

### **Diversity of Arts**

The purpose of this organization is to entertain, introduce, perform and educate the Mansfield University students and surrounding community about the art of dancing. They incorporate several styles of dancing, including African, Spanish, swing and jazz, while using flags, drums, gymnastics and stepping.

### **El Club de Espanol**

El Club de Espanol is an organization devoted to the stimulation of interest in the Spanish language and culture. Its many activities included field trips, movies, and dinners. Anyone is welcome.

### **Eta Beta Tau**

The purpose of this fraternal chapter is to promote culture through the arts as exemplified by growth, diversity of character, brotherhood and unity of thought.

**Flashlight**

This is the student newspaper and is published weekly by Mansfield University students. A wide variety of service opportunities are available for staff members including reporting, typing, designing, selling and taking photographs. Additional staff are always welcome.

**French Club**

The purpose of this group is to stimulate ability and interest in the French Language, as well as French Culture and Literature.

**Geography Club**

The Geography Club furthers the diverse interests of geography majors, minors and other interested students. The club sponsors presentations and trips related to regional planning, environmental science and other aspects of geography.

**Geology Club**

The Geology Club promotes geology in the Mansfield area. It is open to all students and faculty. The Geology Club sponsors a variety of field trips and speakers. Members attend and participate in professional meetings.

**German Club**

This group seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. The organization aims to promote the study of the German language, literature, and civilization, and endeavors to emphasize those aspects of German life and culture which are of universal value and which contribute to man's eternal search for peace and truth.

**Golf Club**

This group seeks to bring together students with an interest in golf and who seek to play at the competitive level. Members can be of all skill levels and all are welcome.

**Gospel Choir**

Desires to bring a sense of hope and insight to the University through their medium of song, all are welcome.

**History Club**

Open to any interested student, the History Club's purpose is to facilitate students' interest in history and to foster professional growth, as well.

**Honors Association**

Membership is open to any student in good standing in the university's Honors Program. Its purpose is to plan and implement the social and cultural events of the association.

**Interfraternity Council (IFC)**

The Inter-Fraternity Council is the governing body of the social fraternities. Its purpose is to promote the best interests of the fraternity system and the university. IFC makes binding rules concerning fraternity policy, and enforces rules for rushing, pledging, intramurals, and scholarships. IFC promotes the spirit of cooperation among all fraternities and the highest ideals of fraternalism.

**International Association of Jazz Educators**

The purpose of this organization is to bring together those interested in jazz, rock and popular music and to provide opportunities for musical experiences and growth. IAJE is a sponsor of the annual Mansfield University Jazz Festival.

### **International Tuba and Euphonium Association (ITEA)**

This organization, formerly known as TUBA, it seeks to maintain a liaison between those who take an interest in the tuba and euphonium family.

### **Judo Club**

The objective of this club is to teach judo and provide opportunities to learn and practice judo.

### **Kappa Kappa Psi**

This organization operates primarily as a student service and leadership recognition society whose chief aim is to assist the Director of Bands in developing the leadership and enthusiasm that is required of his/her band. Our goals are to provide the band not only with organized and concentrated service activities, but to give our membership valid and wholesome experiences in organization, leadership and social contracts.

### **Kappa Phi**

Kappa Phi is a sisterhood strongly rooted in Christ. We are a nondenominational group of Christian university women. Our purpose is to provide opportunity and challenge to serve Christ through our lives.

### **Kayak Club**

The purpose of this organization is to promote the sport of kayaking in a safe and fun manner. It is open to all students, Mansfield University personnel, and interested community members.

### **Lambda Alpha Epsilon**

Lambda Alpha Epsilon is open to any student interested in the criminal justice field, either in the study of or employment in such areas.

### **Lambda Sigma**

Lambda Sigma is a national honor society for sophomore men and women dedicated to fostering leadership, scholarship, fellowship, and the spirit of service among college students. They promote the interests of Mansfield University. The Alpha Epsilon chapter offers students opportunities for personal growth, leadership experience, and a sense of involvement in Mansfield University.

### **Latin American Student Organization (LASO)**

The purpose of this organization is to promote interest and awareness of the rich and diverse Hispanic/Latin culture and to help more Latin students find a forum for their voice on campus.

### **LEO Club of Mansfield University**

The goal of this organization is to promote service activities among the youth of the community which will develop the individual qualities of Leadership, Experience and Opportunity and to unite its members in friendship, fellowship and mutual understanding. The LEO Club is affiliated with Lions International.

### **Mansfield Activities Council (MAC)**

MAC plans programs and activities for the entire university community, including movies, concerts, coffeehouses and cultural affairs, as well as feature arts and forums. MAC also assists other university organizations in programming.

### **Mansfield College Republicans**

The purpose of this organization is 1) to make known and promote the principles of the Republican Party among members of the Mansfield campus and community; 2) to aid in the election of Republican candidates at all levels of government; 3) to encourage and assist in the organization and active functioning of the Republican Party at local, state, and national levels; 4) to organize community service projects, run issue advocacy, lobbying efforts, help bring conservative guest speakers to campus and organizing social events and other activities and 5) to develop political skills and leadership abilities among Republican students as preparation for future service by them to the Party and community.

### **Mansfield International Students Organization (MISO)**

This club was created by the Mansfield University international students in 1982 to promote and share cultural differences, cultivate friendship and exchange ideas in an informal atmosphere. While membership is open to all interested students, American students are especially encouraged to join. With the rich and diverse cultures of its members from all over the world, the organization is unique and has much to offer educationally, socially and culturally. The most popular event coordinated and sponsored by MISO is the Annual International Festival featuring international foods, traditional fashion show, and international entertainment.

### **Mansfield Lacrosse Club**

This club provides the students of Mansfield University with the ability to witness and play Lacrosse at a competitive level.

### **Maple Hall Council**

Maple Hall Council benefits Maple Hall and the campus. The council consists of representatives living on each male and female floor in the building. Members plan activities, fund raisers and represent students in the campus and residence hall decision-making process.

### **Mathematics Club**

The purposes of the Math Club are to promote communication among students and faculty and to encourage participation in activities related to mathematics. Activities sponsored by the Math Club include field trips, speakers, and social events in addition to assisting the department in various ways.

### **Mountaineer TV Productions**

Purposes of the TV Club include exposing members to the world of TV and TV production, promoting an exchange of ideas with respect to TV production and promoting a cooperative attitude between faculty members and students in the Communication and Theatre Department.

### **MU Dance Team**

The MU Dance Team adds more entertainment value to our basketball games and to attract more fans. It is also a good opportunity for people, with an interest in dance, to express it within an organization and build upon their talents and team skills.

### **MU Dramatists**

This organization was created to stimulate interest in the field of dramatics and to encourage the creative ability of its members.

### **MU XI Literary Society**

An organization to stimulate and foster appreciation of language and literature and to give encouragement to creative and critical writing. Through its literary magazine, MU XI, it seeks to benefit, not only its members, but the entire university community.

### **Music Business and Technology Club**

To promote a better understanding of the music industry by encouraging interaction between club members and the music industry by allowing club members to correspond with music industry educators and campus guests.

### **Mansfield University Nurses Association:**

The purpose of this organization is 1) to provide each member with the opportunity to contribute to the growth of the organization by encouraging participation as an individual and as members. 2) to assist each member in achieving professional and social growth through participation in this organization as well as similar organizations in area, state and national level and 3) to develop an interest in recruitment to nursing and to this school.

### **Mountie Guides**

The Mountie Guides volunteer to serve our university, campus community, academic departments, campus organizations, and the community by serving as Campus Tour Guides to prospective students, their families & friends, high school teachers and guidance counselors, and any other interested community members.

### **Music Educators National Conference**

MENC helps promote contact between students interested in the field of music education and music educators on the local, state and national levels.

### **National Alliance of Saxophonists**

NASA is a student run organization that is part of a national organization which operates to further the composition and performance of saxophone music.

### **National Art Educators Association**

The purpose of this chapter is to provide an effective transition from art education preparation to professional practice. To maintain a high standard of quality art education and the visual arts on campus and in the community. To gain greater insight and perspective about the teaching of art and contemporary concepts in art education and the visual arts. Sponsor service projects such as speakers, symposia, exhibitions, etc. Promote an exchange of ideas in substantive art education and the visual arts. To promote art education and all areas of the visual arts as a career choice.

### **Non-Traditional Student Organization**

Since significant numbers of Mansfield University students commute to campus and/or are sometimes, older students who have been away from the formal educational environment for a period of time, the goal of this organization is to attempt to provide opportunities for these students to become a more integral part of the Mansfield University community.

### **Order of Omega**

The purpose of Order of Omega is to recognize those students who have attained a high standard of leadership in inter-Greek activities.

### **Panhellenic Council**

Panhellenic Council is the governing body for all sororities. It is executive, legislative, and judicial. The branches compile the rules and regulations by which the sororities abide. Panhellenic Council sponsors Rush Week, the Scholarship Cup, and the Panhellenic Handbook. In cooperation with the Inter-Fraternity Council (IFC), Panhellenic co-sponsors Greek Week.

### **Phi Beta Lambda**

Phi Beta Lambda is a national business fraternity associated with Future Business Leaders of America (FBLA). Phi Beta Lambda operates Greek Ts and More, a business on campus which provides members with experience and understanding of how a business operates. Phi Beta Lambda is also responsible for Career Seminar Day, a major annual event on campus.

### **Phi Beta Sigma**

Phi Beta Sigma fraternity embraces the principles of brotherhood, scholarship, and service which are crystallized in the fraternity motto Culture for service and service for humanity.

### **Phi Mu Alpha Sinfonia**

The primary purpose of this fraternity shall be to encourage and actively promote the highest standards of creativity, performance, education, and research in music in America. Further purposes shall be to develop and encourage loyalty to the Alma Mater, to foster the mutual welfare and brotherhood of students of music, to develop the truest fraternal spirit among its members, and to instill in all people an awareness of music's important role in the enrichment of the human spirit.

### **Phi Mu Delta**

Originally established as the local fraternity Alpha Omega Delta, Phi Mu Delta national fraternity colonized a chapter on the Mansfield University campus in the fall of 1997. A member of the Greek System and Inter-Fraternity Council, this social fraternity is committed to fostering an environment of mutual respect, friendship and academic excellence.

### **Phi Sigma Pi**

Phi Sigma Pi has the distinction of being Mansfield's first fraternity. This national honor fraternity is described as being one-third academic, one-third service, and one-third social. To pledge Phi Sigma Pi, one must have a 3.0 cumulative grade point average and be at least a second semester freshman. Phi Sigma Pi welcomes any man or woman who is concerned with the ideals of knowledge, training, and friendship.

### **Philosophy Club**

Promoting philosophical activities on campus, the Philosophy Club sponsors trips, lectures, panel discussions and films on a broad variety of subjects. It also publishes Synapse, a student magazine of philosophy and opinion that has appeared annually since 1979.

### **Physics Club**

Some of the objectives of the members of the club are to advance the level of physics knowledge and to provide a forum for discussing recent physics discoveries, careers in physics and other related topics.

**Political Science Club**

The purpose of the Political Science Club is to develop interest in and stimulate conversation about, politics on a local, state and national level.

**Pre-Law Association**

Our primary purpose is to provide information to students who plan to attend law school. Guest speakers and field trips benefit both members and non-members.

**Psi Chi**

Psi Chi is the national honor society in psychology. It provides academic prestige to its initiates by the mere fact of membership. To be considered, one must be a psychology or human relations major, have a minimum of a B average, and 9 credit hours in psychology.

**Psychology Club**

The purpose of this organization is to advance interest in and knowledge of psychology and to encourage, stimulate, and maintain scholarship of the individual members in all fields.

**Roller and Ice Hockey Club**

This club is for students interested in roller/ice hockey to participate in hockey games and learn about the sport of hockey.

**Running Club**

The purpose of this organization is to stimulate interest in the sport of running as well as provide the option of running to get in shape, achieve personal goals, or to practice competitive racing.

**Public Relations Society**

The Public Relations Society is open to, and interested in all students. We offer students the chance to generate creative ideas and put those ideas into action, to better our community on and off campus.

**Saddle Club**

This club is open to all students from beginning to advanced riding levels. Grooming, saddling, and trail riding are club activities. We also participate in field trips and other activities. Activities are based on the interests of the members.

**Sigma**

Service, to both the university community and community at large, and strengthening the relationships between the two are the primary purpose of this organization.

**Sigma Alpha Epsilon**

Sigma Alpha Epsilon is a social fraternity that was established at MU in 2004. The purpose of this organization is to promote the highest standards of friendship, scholarship, service, and character.

**Sigma Alpha Iota**

Sigma Alpha Iota is an international music fraternity for women whose ideals are high standards of musicianship, scholarship, sisterhood, and character. Any woman in the music department who is under private musical instruction, has at least 6 credits in music, has a 2.5 academic average, and a B in her major applied area, is eligible to pledge membership.

### **Sigma Dove Social Society**

This organization serves as a service organization to the campus community and surrounding areas by promoting our principles of sisterhood, scholarship and service.

### **Sigma Zeta**

As the national honorary science and mathematics society on campus, Sigma Zeta recognizes outstanding academic achievement in the natural sciences and mathematics. It also provides an opportunity for social and educational interaction among students sharing common academic interests and career goals.

### **Ski and Snowboard Club**

The Ski and Snowboard Club's interest is in the pursuit of the sport and its intrinsic values such as recreation, exercise, the exhilaration of being outdoors and the developing of a life-long physical and social activity. The Ski Club organizes weekly trips to local ski areas as well as a weeklong trip to a major United States ski area over semester or spring break. The club negotiates special lift ticket rates, provides transportation, and operates a fully equipped, up to date, ski rental shop.

### **Social Work Club**

The Social Work Club is open to all Mansfield University students. It is an integral part of the department and seeks to foster dialogue between the faculty and the students. The club meets regularly to determine members' attitudes and feelings regarding policy, requirements, curriculum. It is a vehicle through which students are exposed to the professional world of human services in general and professional social work in particular.

### **Student Alumni Ambassadors**

This program helps extend the university's mission, increases its visibility and promotes quality. Ambassadors serve as good-will ambassadors for the university, as a host / hostess for special university events, and they provide a vehicle through which future alumni leaders are cultivated.

### **Student Association Nutrition and Dietetics**

This organization is open to anyone interested in dietetics and/or food service management. Members learn about their future professions through invited speakers, educational field trips and bi-monthly meetings. Members of Mansfield S.D.A. are also members of the Pennsylvania Student Dietetic Association and are eligible to be members of the American Dietetic Association.

### **Student Government Association**

The Student Government Association is the elected governing body representing Mansfield's students. SGA is comprised of a senate, with one senator for each 100 students, and an executive committee, consisting of a president and a vice president. This body represents and promotes student issues and concerns with the faculty and administration and is a good way to become involved.

### **Student PSEA**

To develop among college students preparing to teach: (a) an understanding of the teaching profession through participation in the work of the local, state, and national education associations; (b) to provide leadership training and experiences; (c) to plan activities that can be coordinated with other existing chapters= programs; (d) to provide opportunities to observe and work with citizen groups for the welfare of children and



public education; (e) to seek actively higher standards of teacher education; (f) to stress the importance of careful selection of persons admitted to teacher education institutions with emphasis on character, personality, and scholarship.

### **Students in Free Enterprise (SIFE)**

The purposes of this organization shall be: 1) To teach others an understanding of how market economies and businesses operate; 2) To help businesses to use our knowledge to better themselves, their community, and their country; 3) To promote individual ideas and teamwork among individuals associated with SIFE; 4) To build a partnership between Mansfield University SIFE and businesses in society. All students and alumni of Mansfield University can be members of SIFE.

### **Tau Beta Sigma**

Tau Beta Sigma is a national honorary band sorority that promotes and supports collegiate bands and band activities. Opportunities exist for members to gain in such areas as leadership, musical achievement, and promotion of worthwhile projects. Eligibility is based on a OPA of at least 2.5 and participation in the Concert Wind Ensemble, Symphonic Band, Jazz Band, or Orchestra.

### **Travel Club**

The purpose of this organization is to provide a learning travel experience, once a semester, and to gather knowledge about the process of planning group travel.

### **WNTE-FM**

Music Radio 89 is dedicated to providing educational, informative and entertaining programming for the campus and community. Radiating at 89.5 megacycles, WNTE is a 115 watt educational FM station, licensed by the Federal Communications Commission. With main studios and offices located in the lower level of South Hall, WNTE welcomes all interested students to join in the fun of broadcasting.

### **Women With A Mission (WWAM)**

WWAM desires to promote the advancement and prosperity of African American women, focusing on academic achievement, economic welfare, and health awareness.

### **Zeta Tau Alpha**

Zeta Tau Alpha is a women's social fraternity. Zetas always strive for academic excellence, while maintaining a high social standard of conduct. Individual interests include a variety of well-rounded activities: sports, music, cheerleading, student government, and community service, among others. ZTA is also proud to support the Susan G. Komen Breast Cancer Foundation.

### **Zodiak**

The purpose of Zodiak Stance is to entertain the crowd at different university events and provide an activity for those who enjoy performing, dancing, and stepping.

# GENERAL EDUCATION

## Program Philosophy

The objective of the general education component of an undergraduate degree is to provide students with a foundation for lifelong learning and to enable them to function as responsible citizens in a rapidly changing world, consistent with the traditions of a liberal education.

General education is designed, therefore, to enable students to continue to learn independently of formal classroom instruction. It extends throughout the undergraduate experience and into campus and community life. General education encourages students to develop their abilities to observe, analyze and resolve problems, essential skills in a pluralistic and global environment. Finally, General education makes students aware of the concept of ethical and moral responsibility to self and society.

General education complements course work in the major and assists students in taking their proper place in society by helping them comprehend humankind; its cultures and history, the philosophies by which it lives, the means by which it communicates, and the arts and sciences which better its existence.

## Program Overview

There are two types of courses in general education: Core Requirements and Group Distribution Requirements.

**Core Courses (16 credits).** The core courses are designed to contribute to students' knowledge of the human experience in a variety of ways. Having completed the Core Courses, a student will be able to comprehend the breadth and depth of ideas related to human activity of both mind and body. Core courses must include content designed to foster one or more of the following:

- Knowledge of at least one of the varying forms of artistic expression,
- Enhanced oral communication skills,
- Enhanced written communication skills, or
- Knowledge of behaviors that promote personal well-being.

## Courses:

### General Education Core

All students should take COM 1101 and ENG 1112 during their first year.

- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- ENG 3313 - COMPOSITION II  
- ENG3313W must be passed with a grade of "C-" or better.)
- UNV 1100 - FIRST YEAR SEMINAR

### Fine Arts (3 credits)

- ARH 1101 - INTRODUCTION TO ART
- MU 1101 - INTRODUCTION TO MUSIC
- THT 1110 - INTRODUCTION TO THEATER

### Wellness (3 credits)

- BUS 2202 - PERSONAL FINANCE
- DIT 1101 - PERSONAL NUTRITION
- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 2220 - NUTRITION AND EXERCISE
- DIT 3300 - CULTURAL NUTRITION AND FOOD

- HPE 1100 - HEALTH (PERSONAL AND COMMUNITY) THROUGH
- HPE 1168 - BLS FOR HLTH CARE PROVIDERS
- HPE 3340 - FIRST AID AND CPR (STANDARD AND ADVANCED)
- MEN 3331 - MOUNTIE MARCHING BAND
- NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE
- NUR 4402 - WOMEN'S HEALTH ISSUES
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 4421 - DEATH AND DYING

**Group Distribution Courses.** General education distribution requirements are satisfied through completion of courses in the Liberal Arts and Sciences disciplines. Students must satisfy the minimum requirements in each of six groups:

- Humanities
- English and modern languages
- Mathematics
- Natural sciences
- Social Sciences

## GROUP DISTRIBUTION REQUIREMENTS

**Block 1. Humanities (6 credits)** Students completing courses in the Humanities are expected to acquire an understanding of key historical developments and philosophical traditions that influence the world. Humanities courses examine historical and philosophical issues critically and comparatively through reading and discussing fundamental texts from the world's traditions.

To be approved for the Humanities block, a course must include content and methodologies that guide students toward:

- Knowledge of Western and Non-Western histories and/or philosophies.
- Understanding of how religious, intellectual, social, and philosophical movements have shaped the present world.
- Understanding of the present as a continuum of the past.
- Appropriate-level skills in the reading, critical and analytical analyses of historical and/or philosophical texts

### Courses:

#### Canadian Studies

- CDN 1101 - INTRODUCTION TO CANADA

#### Honors

- HON 1111 - HUMANITIES HONORS I
- HON 1112 - HUMANITIES HONORS I

#### History

- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2201 - UNITED STATES HISTORY TO 1877
- HST 2202 - UNITED STATES HISTORY SINCE 1877
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 2220 - WORLD WAR II

- HST 2226 - FILM AS HISTORY
- HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY
- HST 3266 - HISTORY OF BASEBALL
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 4401 - HISTORY OF PENNSYLVANIA

#### Philosophy

- PHL 2200 - CRITICAL THINKING
- PHL 2201 - INTRODUCTION TO PHILOSOPHY
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 2259 - PHILOSOPHY OF RELIGION
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE
- PHL 3230 - FORMAL LOGIC
- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS
- PHL 3300 - PHILOSOPHY OF THE ARTS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3340 - ETHICS
- PHL 3380 - HEALTH CARE ETHICS

#### Women's Studies

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

**Block 2. Languages and Literature (6 credits).** Students completing courses in Languages and Literature are expected to acquire an understanding of how language, and the literature produced by it, is integral to various aspects of our lives.

To be approved for the Language and Literature block, a course must include content and methodologies that guide students toward:

- Knowledge of literary texts and demonstration of the analytical tools needed to work with these texts.
- Understanding of the historical development of language(s).
- Understanding of the crucial role of language and literature in cultural and self-identity, and aspects of daily life.
- Appropriate-level skills in reading, writing, speaking, and listening in a natural language.

#### Courses:

##### English

- ENG 1115 - INTRODUCTION TO LITERATURE
- ENG 2202 - CREATIVE WRITING
- ENG 2203 - READINGS IN ANCIENT LITERATURE
- ENG 2204 - READINGS IN WORLD LITERATURE
- ENG 2207 - READINGS IN BRITISH LITERATURE
- ENG 2208 - READINGS IN AMERICAN LITERATURE
- ENG 2209 - READINGS IN SHAKESPEARE
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 3281 - INTRO TO LINGUISTICS
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD

- ENG 3312 - INTRO TO FICTION WRITING
- ENG 3314 - INTRO TO POETRY WRITING
- ENG 3316 - CREATIVE NON-FICTION PROSE WRITING
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- ENG 3329 - REGIONAL LITERATURE
- ENG 3332 - NATURE WRITING
- ENG 3381 - HISTORY OF LITERARY THEORY AND CRITICISM

**Block 3. Mathematics (3 credits).** Students completing courses in Mathematics are expected to acquire knowledge about mathematical structures, and skills in using these to manipulate symbolic, quantitative, and geometric information. Students completing Mathematics courses develop an ability to understand and to utilize numerical data and mathematical methods for analysis and problem solving.

To be approved for the Mathematics category, a course must include content and methodologies that guide students toward:

- Understanding of mathematical objects and the relationships between them.
- Quantitative reasoning or problem solving through the use of algorithms, manipulation of symbols, or the creation and interpretation of graphical and tabular information.
- Communicating, using, interpreting, and critiquing quantitative evidence or mathematical logic.

Courses: All MA prefix courses except MA 0090 – Basic Algebra

**Block 4. Natural Sciences (6 credits).** Students completing courses in the Natural Sciences are expected to understand and practice scientific experimentation, and focus on the nature of scientific reasoning, discovery, and invention through the systematic exploration of basic scientific concepts. Students will complete at least one laboratory course.

- To be approved for the Natural Science category, a course must include content and methodologies that guide students toward:
- Understanding of the scientific method and the natural sciences as experimental disciplines based on empirical evidence.
- Understanding of modern scientific theories.
- Appropriate-level skills in communicating, investigating, and organizing scientific concepts through experimentation, observation, and computation.

#### Courses:

##### Astronomy

- AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM
- AST 1106 - ONE POSSIBLE UNIVERSE
- AST 1108 - OBSERVING THE AUTUMN SKY
- AST 1109 - OBSERVING THE WINTER SKY
- AST 1110 - OBSERVING THE SPRING SKY
- AST 1111 - OBSERVING THE SUMMER SKY

### Biology

- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 2251 - TROPICAL MARINE BIOLOGY
- BSC 1101 - GENERAL BIOLOGY
- BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS
- BSC 1103 - ENVIRONMENTAL BIOLOGY
- BSC 1104 - HUMAN BIOLOGY
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES

### Chemistry

- CHM 1101 - INTRODUCTORY CHEMISTRY
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
- CHM 1105 - HOW DRUGS WORK
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II

### Geology

- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY

### Honors

- HON 1107 - MACRO PHYSICAL SCIENCE
- HON 1108 - MICRO PHYSICAL SCIENCE

### Physics

- PHY 1151 - CONCEPTUAL PHYSICS I
- PHY 1152 - CONCEPTUAL PHYSICS II
- PHY 1191 - PHYSICS I
- PHY 1192 - PHYSICS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

### Science

- SCI 1104 - FORENSIC SCIENCE
- SCI 1107 - PHYSICAL SCIENCE I
- SCI 1108 - PHYSICAL SCIENCE II

**Block 5. Social Sciences (9 credits).** Students completing courses in the Social Sciences are expected to examine the structure and organizing principles of human societies, including their psychological and cultural dimensions, as well as their economic, social and political foundations.

To be approved for the Social Sciences category a course must include content and methodologies that guide students toward:

- Knowledge of differing social, economic, and political systems.
- Understanding of differences in customs, practices, and values among various cultural groups.
- Understanding of individual and social behavior.
- Understanding of social science theories and research methods.

- Appropriate-level skills in the reading, critical and analytical analyses of social science texts

### Courses:

#### Anthropology

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 2250 - ANTHROPOLOGY OF GENDER
- ANH 2885 - CULTURE, HEALTH AND DISEASE
- ANH 2995 - ANTHROPOLOGY OF HEALTH AND MEDICINE
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3311 - ETHNOGRAPHIC RESEARCH
- ANH 4444 - ANTHROPOLOGICAL DEMOGRAPHY

#### Economics

- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS

#### Geography

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA
- GEG 3381 - GEOGRAPHY OF PENNSYLVANIA

#### Leadership

- LDR 3325 - INTRODUCTION TO LEADERSHIP STUDIES

#### Political Science

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2204 - STATE AND LOCAL POLITICS
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3325 - ADVANCED LEADERSHIP
- PSC 4402 - PRESIDENT AND CONGRESS

#### Psychology

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2203 - (SOC) TELEPHONE SURVEY RESEARCH
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 2225 - LEADERSHIP SKILLS
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3292 - CHILD PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

#### Sociology

- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH

- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3300 - MEN IN SOCIETY
- SOC 3305 - SOCIOLOGY OF RELIGION
- SOC 3306 - INTERRACIAL SEMINAR
- SOC 3322 - SOCIOLOGY OF AGING
- SOC 3360 - SOCIOLOGY OF MEDICINE
- SOC 4415 - AMERICAN VALUES IN CONFLICT

**Block 6. General Education Elective (9 credits).** Any courses, regardless of level (1000-4000), from the same disciplines approved for Distribution Group Requirements (Groups 1 through 5) may be used as a General Education Elective. Any Art History (ARH) or Art (ART), Communications (COM), Music (MU), or Theatre (THT) course may also be used as a general education elective. Introductory courses in certain professional departments are approved as acceptable General Education Electives. If this area is then selected as a major, the course must be replaced with another General Education or Professional course. One Professional Course may be selected from the following approved courses: (A Professional Course is not required to complete this group).

- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- ED 1100 - SCHOOLS AND SOCIETY
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION
- SWK 1101 - HUMAN SERVICES
- TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM

### **Group and Course Related Outcomes**

In addition to core and group distribution requirements, students must complete courses that promote (a) global awareness, (b) information literacy, and (c) effective writing. With the exception of students who transfer to Mansfield from another institution, all students must complete three designated Global Awareness (G) courses and three designated Information Literacy (I) courses (two of which must be at the upper level).

### **Global Awareness (G)**

Global Awareness opens doors into varied cultures and furthers an understanding of our complex world. It considers the perspectives of peoples from cultures and circumstances other than one's own, and the major challenges facing humankind requiring global cooperation, while also recognizing the phenomena that engender continued conflict and competition in an increasingly interdependent world.

All students will complete 3 designated Global Awareness (G) courses.

Transfer students have the following exceptions:

- Students who transfer in 31-60 credits must complete 2 "I" and 2 "G" courses.
- Students who transfer in 61 or more credits must complete 1 "I" and 1 "G" course. At least 1 "I" course must be at the upper level.
- Associate Degree candidates must complete one "I" course and one "G" course.
- Applied Associate Degree candidates must complete one "I" course.



**(G) Student Learning Outcomes:**

Students will demonstrate an ability to:

- Identify major global issues
- Examine global issues from multiple perspectives
- Examine the concepts of power, gender, race and class intra- and inter-culturally
- Compare and contrast their own beliefs and attitudes with those of other national, cultural, racial, ethnic, gender, and religious groups.

**Global course instructors are expected to include in their syllabi:**

- 1) a statement indicating that the course is a Global Awareness (G) course;
- 2) specific learning outcomes related to those listed above immediately above; and,
- 3) one or more collectible assignments that colleagues can review in order to assess student learning related to the course.

**Courses: List Subject to Change**

All foreign language courses are Global

- ACC 3320 - ADVANCED ACCOUNTING I
- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY
- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 2250 - ANTHROPOLOGY OF GENDER
- ANH 2885 - CULTURE, HEALTH AND DISEASE
- ANH 2995 - ANTHROPOLOGY OF HEALTH AND MEDICINE
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3296 - EUROPEAN ETHNOGRAPHY
- ANH 3301 - WORLD CULTURES
- ANH 3308 - AFRICAN CULTURES
- ANH 3332 - ANTHROPOLOGY OF COMMUNICATION
- ANH 3333 - SOUTH AND SOUTHEAST ASIAN ETHNOLOGY
- ANH 3350 - SELECTED TOPICS SEMINAR
- ANH 4440 - ANTHROPOLOGY OF RELIGION
- ANH 4444 - ANTHROPOLOGICAL DEMOGRAPHY
- ANH 4471 - ETHNOGRAPHY OF MEXICO AND THE CARIBBEAN
- ANH 4480 - ANTHROPOLOGICAL THEORY
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ARH 4410 - WOMEN IN ANCIENT GREEK ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3271 - CERAMICS
- ART 3338 - MULTICULTURAL CRAFTS
- BUS 3310 - MANAGING DIVERSITY
- BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS
- BUS 4403 - BUSINESS AND AMERICAN FOREIGN POLICY
- CDN 1101 - INTRODUCTION TO CANADA
- CDN 3370 - FOREIGN STUDY – CANADA
- CDN 3371 - FOREIGN STUDY – CANADA
- CDN 3372 - FOREIGN STUDY – CANADA
- CDN 3373 - FOREIGN STUDY – CANADA
- CDN 3374 - FOREIGN STUDY – CANADA

- CDN 3375 - FOREIGN STUDY – CANADA
- CDN 3376 - FOREIGN STUDY – CANADA
- CDN 3377 - FOREIGN STUDY – CANADA
- CDN 3378 - FOREIGN STUDY – CANADA
- CDN 3379 - FOREIGN STUDY – CANADA
- CDN 3380 - FOREIGN STUDY – CANADA
- CDN 4450 - INTERNSHIP
- CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 4309 - E-COMMERCE SYSTEMS
- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3332 - CROSS CULTURAL COMMUNICATION
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- ECO 3333 - INTERNATIONAL ECONOMICS
- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 2207 - READINGS IN BRITISH LITERATURE
- ENG 2209 - READINGS IN SHAKESPEARE
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3352 - SHAKESPEARE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - TWENTIETH CENTURY BRITISH LITERATURE
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- HST 1111 - WORLD CIVILIZATION TO 1350
- HST 1112 - WORLD CIVILIZATION 1350-1900
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2220 - WORLD WAR II
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3345 - MIDDLE AGES: LIFE AND STYLE
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST

- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PHL 3330 - EASTERN APPROACHES TO REALITY
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3366 - TWENTIETH CENTURY EUROPE
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4412 - TOPICS IN COMPARATIVE POLITICS
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS
- PSY 4421 - DEATH AND DYING
- PSY 4422 - PSYCHOLOGY OF WOMEN
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2260 - SOCIAL STRATIFICATION
- SOC 3305 - SOCIOLOGY OF RELIGION
- TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM
- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3312 - INTERNATIONAL TOURISM
- TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS
- TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM

### **Information Literacy (I)**

Information Literacy is a fundamental component of the educational process in which a student learns how to think actively and critically about information. Courses designated as Information Literacy (I) are expected to require students to become skilled users of information sources in many locations and formats, thereby increasing their responsibility for their own learning.

All students will complete 3 designated Information Literacy (I) and 3 designated Global Awareness (G) courses. At least two "I" courses must be at the upper level.

Transfer students have the following exceptions:

- Students who transfer in 31-60 credits must complete 2 "I" and 2 "G" courses.
- Students who transfer in 61 or more credits must complete 1 "I" and 1 "G" course. At least 1 "I" course must be at the upper level.
- Associate Degree candidates must complete one "I" course and one "G" course.
- Applied Associate Degree candidates must complete one "I" course.

**(I) Student Learning Outcomes:**

Students will:

- Demonstrate an understanding of the significance of information in solving everyday problems.
- Identify a wide variety of information resources (both format and source).
- Identify needed information to solve a given problem or understand an issue.
- Demonstrate recognition of distortion and other misuses of information.
- Demonstrate effective use of information in order to address a given problem or issue
- Present information issues and solutions to others.

**Information Literacy course instructors are expected to include in their syllabi:**

- 1) a statement indicating that the course is an Informational Literacy (I) course;
- 2) specific learning outcomes related to those identified above; and,
- 3) one or more collectible assignments that colleagues can review in order to assess student information literacy related to the course.

**Courses: List subject to change**

- ANH 1103 - INTRODUCTION TO ARCHAEOLOGY
- ANH 1104 - INTRODUCTION TO LINGUISTIC ANTHROPOLOGY
- ANH 3280 - ANTHROPOLOGICAL LINGUISTICS
- ANH 3308 - AFRICAN CULTURES
- ANH 4444 - ANTHROPOLOGICAL DEMOGRAPHY
- ANH 4471 - ETHNOGRAPHY OF MEXICO AND THE CARIBBEAN
- ANH 4490 - FIELD STUDY
- ANH 4499 - APPLIED ANTHROPOLOGY
- ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS
- ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- BI 3318 - ORNITHOLOGY
- BI 4491 - AQUACULTURE RESEARCH
- BI 4496 - SEMINAR
- BUS 3260 - ENTREPRENEURSHIP
- BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS
- BUS 4490 - STRATEGIC MANAGEMENT and BUSINESS POLICY
- CHM 4410 - SEMINAR
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- CIS 3303 - WEB SITE DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3310 - SYSTEMS ANALYSIS
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 3267 - COMMUNITY AND INSTITUTIONAL CORRECTIONS
- CJA 3357 - CORRECTIONAL STRATEGIES
- CJA 3395 - DELINQUENCY AND THE CRIMINAL JUSTICE SYSTEM
- CJA 4475 - SERIAL MURDER
- CJA 4490 - SENIOR SEMINAR
- COM 1101 - ORAL COMMUNICATION

- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 4400 - COMMUNICATION THEORY
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- DIT 3316 - COMMUNITY NUTRITION
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4420 - NUTRITION RESEARCH SEMINAR
- ECO 3333 - INTERNATIONAL ECONOMICS
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ENG 1112 - COMPOSITION I
- ENG 3281 - INTRO TO LINGUISTICS
- ENG 3352 - SHAKESPEARE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 4401 - SEMINAR IN LITERARY STUDIES
- GEG 3280 - CARTOGRAPHY
- GEG 3300 - GEOGRAPHIC RESEARCH
- GEG 3364 - GEOSTATISTICS
- HON 3301 - FIELD WORK IN THE NATURAL AND SOCIAL SCIENCES
- HON 4497 - SENIOR RESEARCH PRESENTATION
- HST 2226 - FILM AS HISTORY
- HST 3266 - HISTORY OF BASEBALL
- HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA
- HST 3290 - HISTORICAL METHODS
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3303 - EARLY AMERICAN HISTORY TO 1800
- HST 3307 - CONTEMPORARY AMERICA
- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- HST 3326 - HISTORY OF WOMEN AND TELEVISION
- HST 3330 - ROME: FROM REPUBLIC TO EMPIRE
- HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- HST 3350 - INTRODUCTION TO PUBLIC HISTORY
- HST 3357 - HISTORY OF ENGLAND
- HST 3361 - EARLY MODERN EUROPE
- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 3395 - THE COLD WAR
- HST 4401 - HISTORY OF PENNSYLVANIA
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID

- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4496 - SEMINARS ON SELECTED TOPICS
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MKT 3330 - MARKETING
- MKT 3334 - MARKETING RESEARCH
- MKT 4422 - INTERNATIONAL MARKETING
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3342 - MUSIC IN THE SECONDARY SCHOOL
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES
- PHL 2200 - CRITICAL THINKING
- PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- PHL 4423 - TWENTIETH CENTURY PHILOSOPHY
- PHL 4490 - SEMINAR
- PHY 3316 - DIGITAL ELECTRONICS
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 3357 - SOCIOLOGY OF EDUCATION
- PSC 3366 - TWENTIETH CENTURY EUROPE
- PSC 3377 - LATIN AMERICAN POLITICS
- PSC 4402 - PRESIDENT AND CONGRESS
- PSC 4404 - COURTS AND THE CONSTITUTION
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 2206 - RESEARCH METHODS I
- PSY 3301 - THEORIES OF COUNSELING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3330 - DRUGS AND BEHAVIOR
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4441 - PSYCHOLOGY AND LAW
- PSY 4490 - SENIOR SEMINAR
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2203 - TELEPHONE SURVEY RESEARCH
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS
- SOC 3357 - SOCIOLOGY OF EDUCATION
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED
- SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS
- SWK 3308 - EVALUATION RESEARCH
- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS
- TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM

## **WRITING ACROSS THE CURRICULUM (WAC)**

The Writing Across the Curriculum program helps you become a competent writer through assignments in designated writing courses which require different conventions of purpose and audience, different formats and styles, and different kinds of writing for various disciplines. These writing courses are drawn from all areas of the curriculum and involve students in regular, frequent writing. Writing Across the Curriculum requirements are satisfied by completing ENG 1112W, ENG 3313W, and three writing designated (W) courses, at least one of which must be an upper-level course.

Transfer students must complete ENG 1112W and ENG 3313W or transfer equivalent writing courses from another institution. Students who transfer in 1-30 credits must complete the normal three additional "W" courses. Students who transfer in 31-60 credits must complete two additional "W" courses (at least one must be at 3260 level or above). Students who transfer in over 60 credits must complete one additional "W" course at the 3000 level or above.

Two writing across the curriculum courses are required in addition to ENG 1112W for Associate Degree Programs.

## **ASSOCIATE DEGREE STUDENTS AND GENERAL EDUCATION**

Core as Follows:

Associate degree-seeking students must complete 11 credits within the:

- Fine arts course
- One credit of Wellness
- First-Year Seminar
- COM 1101 - ORAL COMMUNICATION
- ENG 1112W - COMPOSITION I
- UNV 1100 - FIRST YEAR SEMINAR

**Note:** Our associate degree programs are designed to provide the foundational coursework for students wishing to complete a bachelor's degree program.

### **Additional Requirements**

All associate degree students must complete the required courses in at least three of the five distribution group areas.

Students seeking the AA degree must earn at least 20 credits within the distribution group areas. Students seeking the AS or AAS degree must earn at least 14 credits within the distribution group areas.

## **GENERAL EDUCATION PROGRAM LEARNING OUTCOMES**

General Education courses represent various disciplines and meet the general education requirements. Specifically, general education is designed to develop student competency across the core and general education groups in the following skills:

- Thinking skills including critical thinking, problem solving, and analysis
- Communication
- An understanding of the modes of thought and methodologies of the humanities, language and literature, mathematics, natural sciences, and social sciences.

Not all general education courses must address all areas, but each course must address at least some of the outcomes noted above and include instruction that enable students to achieve competence in those outcomes.

## Review of Artifacts

Each year, assessment of learning outcomes for general education is undertaken via a collegial faculty review of artifacts derived from courses in each of the areas of general education. Syllabi for all courses that are included the general education program must:

- (a) include a statement indicating that the course is within the program;
- (b) list specific learning outcomes related to the general education program outcomes identified below, as well as well as the objectives for the particular group; and
- (c) identify one or more artifacts that colleagues can review to assess student learning related to the course.

It is the responsibility of every faculty member teaching a general education course to ensure that the course includes one or more artifacts suitable for review. Courses are reviewed periodically based on a schedule determined by the General Education Subcommittee. The committee will work with faculty teaching in a particular area to identify the timeframe for assessment and to collect representative samples of the artifacts.

## Thinking Skills

Thinking skills include different types of processing information. Common examples are critical thinking, problem solving, and analysis. The following section defines three types of thinking and offers examples.

- **Critical Thinking.** Critical thinking is a broad type of reasoning that applies learning to various situations and problems. The related skill set includes: recognizing and avoiding common mistakes in reasoning, identifying personal assumptions, challenging assumptions, gathering and evaluating evidence from a variety of sources, distinguishing different kinds of reasoning, and analyzing, synthesizing, and integrating information to draw appropriate conclusions.

### Examples of Critical Thinking Artifacts

1. We are flooded everyday with images and messages to consume or buy more. The issue of whether to purchase or not has never been questioned more closely than in recent years. Yet, numerous intellectuals have debated this issue over time. In your own opinion, are you for or against modern mass consumption? Support your answers with arguments from some of the social critics you have studied.
2. Both Daniel Boorstin's *The Americans: The Democratic Experience* and Roland Marchand's *Advertising the American Dream* are consider classic examples of historical works within the genre of socio-economic or even cultural history. Compare and contrast their different approaches and methodologies in their subject materials. Is there any preference for one or the other, and what kind of audiences were the authors targeting?
3. What do you consider to be the "golden age" of English, that is, its time of greatest development and richest ability to express the ideas of its speakers? (an essay test question)
4. Step away from your individual experiences, and examine and describe the unwritten intangible social forces that shape your behavior.
5. Explain two major theoretical paradigms in social science, their major assumptions, and crucial evidence given in support. Include how these theories are used in everyday life as well as broader society. Choose your favorite and explain why.



- **Problem Solving.** This type of reasoning is focused on the process of finding and implementing appropriate solutions to a problem. Problem solving involves a step-by-step progression from defining a problem, searching for information, generating possible solutions, testing hypotheses using appropriate methodologies, identifying and evaluating constraints, formulating implementation plans, and establishing success criteria.

**Examples of Problem Solving Artifacts**

1. Which social science research method is most conducive to the study of illegal immigration? Explain why you selected that method.
  2. Field Research Report: Following the steps of observation, hypothesis forming, testing the hypothesis, and revising the hypothesis, students will conduct field research on some aspect of language as it is used around them. For example, the student will study and report on an unusual pronunciation might be part of a speaker’s dialect, or a piece of commonly used jargon.
- **Analytical Thinking.** Analytical thinking involves identifying the underlying structure of complex information or ideas and focuses on the process of breaking down the information or ideas into simpler parts in order to understand how the parts relate or are organized. Tasks at the analysis level require the learner to take the material apart and examine the pieces to identify logical errors (i.e., point out a contradiction or an erroneous inference), and to draw relationships between concepts, theories, and processes (e.g., comparing and contrasting). Verbs that may describe learning outcomes include:

<b>Deduce</b>	<b>Break down</b>	<b>Relate</b>
<b>Outline</b>	<b>Infer</b>	<b>Diagram</b>
<b>Illustrate</b>	<b>Subdivide</b>	<b>Point to (out)</b>

**Examples of Analytical Thinking Artifacts**

1. A paper describing overall education policy and specific practices in the United States compared with Japan,
2. A lab report showing how the functions of x and y are related in a machine,
3. A report that determines the iron content in Tioga River water,
4. A test or written assignment that asks students to:
  - Identify the major and minor ideas of ...
  - How are \_\_\_ the same, and how are they different?
  - List the basic assumptions...
  - Describe the variety of motives...
  - Distinguish between theory and facts...
  - Separate the major and minor themes...

**Other analytical thinking assignments**

1. Between 1860 and 1910, what were the characteristics of industrialization in the United States? What were the economic devices and institutions that facilitated its growth? Discuss some of the better-known entrepreneurs. Finally, how did the growth of big businesses affect American society, its ordinary people, and their workplace?
2. In the post WW II era, many countries in Southeast Asia began to seek independence. What factors spurred their desire for independent rule? In the process of gaining self-rule, what problems did countries such as Malaysia,

Singapore, and Indonesia face? Since gaining independence, how have these countries fared? Why is it that countries such as Singapore and Malaysia have fared much better than Indonesia?

3. Why did Europe “scramble” for Africa in the 1880s? What were their motives for carving out Africa? In doing so, who were the biggest benefactors in this European decision of divide and conquer? What methods were used to ensure the European exploitation of the peoples and resources? You need not discuss every European colony, but illustrate at least two if not three cases to support your essay.
  4. Using Erika Friedl’s analysis as a model, discuss the role of men in Afghan society based on non-Western literature.
  5. Draw a phrase structure tree of the following sentence. (from English Grammar)
  6. Given the population of residents in New York City, explain how you would determine a representative sample size and how you would select who would be in the sample?
- **Communication.** Students communicate effectively as defined by their ability to:
    - Understand and make themselves understood
    - Convey information clearly and concisely
    - Communicate for a variety of purposes
    - Express their needs, desires, and opinions
    - Access tools, information, and strategies from a variety of resources
    - Communicate with diverse audiences

The communication form can be produced in one or more media (written, visual, auditory and/or performance) that is appropriate to that specific discipline. The communication form must convey a student’s level of understanding and remain consistent with the conventions for that specific mode of communication. Artistic forms and performances must include a written explanation.

### **Examples of Communication Artifacts**

1. What do you consider to be the “golden age” of English, that is, its time of greatest development and richest ability to express the ideas of its speakers? (an essay test question)
2. In the post WW II era, many countries in Southeast Asia began to seek independence. What factors spurred their desire for independent rule? In the process of gaining self-rule, what problems did countries such as Malaysia, Singapore, and Indonesia face? Since gaining independence, how have these countries fared? Why is it that countries such as Singapore and Malaysia have fared much better than Indonesia?
3. A Power Point presentation on a research project in biology.

# Undergraduate Degree Programs

## Art Education

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Offered by the Department of Art

Professor Kutbay

Assistant Professors Hamad, and Whitehouse, Assistant Chairperson

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The Art Department offers two baccalaureate degrees: B.S.E. in Art Education and B.A. in Art History. The art education program guides prospective teachers to meet general education requirements, to develop skills in three studio clusters with a concentration in one area, and to provide a rich foundation in studio art production skills, art history, aesthetics, criticism, theory and practice of art education. Upon satisfactory completion of the program, the graduate is qualified to teach in the elementary and secondary schools. Graduating students must successfully complete the Praxis examinations both in general studies and their area of specialization to be certified to teach in Pennsylvania.

Incoming freshman and transfer students must successfully complete an interview and portfolio review conducted by art faculty. Portfolios must be submitted under the Art Department guidelines (see Art Dept. web page). Deadlines are: Fall admittance prior to April 30th; Spring admittance prior to November 15th.

Art Education majors are required to meet a 3.0 grade average at the time they are admitted to the professional education program (after 48 semester hours) at the time of student teaching and at graduation. A negative TB tine test, the Act 34 Pennsylvania Police and Act 1 51 Child Abuse clearances must be filed and current at 48 hours and again at student teaching. In keeping with the Pennsylvania Department of Education requirements, all students are required to take: 6 credit of math; 3 credits of English composition; 3 credits of English literature; and pass the Praxis I exam. All studio and professional courses must be completed before student teaching.

See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

### **Program Requirements: Art Education (B.S.E.): 120 s.h.**

#### **Studio - Foundation Cluster - 9 Credits Required**

- ART 2240 - TWO-DIMENSIONAL DESIGN  
(May also satisfy General Education requirements)
- ART 2244 - THREE-DIMENSIONAL DESIGN
- ART 2248 - DRAWING
- ART 2250 - FIGURE DRAWING

#### **Studio Clusters - 21 Credits**

- Art Studio 9 credits required - 3 credits from groups 1-3 Credits: 9

#### **Group 1: 2-Dimensional/Media - 3 Credit Courses**

- ART 2218 - PHOTOGRAPHY
- ART 3261 - WATER BASE MEDIA
- ART 3301 - PAINTING
- ART 3331 - PRINTMAKING
- ART 3345 - 2-D FIBERS
- ART 3393 - SPECIAL TOPICS

#### **Group 2: 3-Dimensional Media/Spatial - 3 Credit Courses**

- ART 2238 - MULTICULTURAL CRAFTS

- ART 3271 - CERAMICS
- ART 3281 - SCULPTURE
- ART 3351 - JEWELRY
- ART 3393 - SPECIAL TOPICS
- ART 3446 - 3-D FIBERS

**Group 3: Digital/Graphics - 3 Credit Courses**

- GRA 1101 - Intro to Graphic Design
- ART 3330 - DIGITAL PHOTOGRAPHY
- ART 3342 - ADVERTISING, DESIGN AND LETTERING
- ART 3365 - COMPUTER ART
- ART 3393 - SPECIAL TOPICS

**Art Studio Depth - 12 Credits Required**

- 3000-4000 studios in one cluster - 6 credit hours
- 3000-4000 studio electives - 6 credit hours

**Art History - 9 Credits Required**

- ARH 1101 - INTRODUCTION TO ART
- ARH 3331 - HISTORY OF MODERN ART

**One of the following:**

- ARH 3330 - HISTORY OF AMERICAN ART
- ARH 4409 - WOMEN IN ART

**Professional Education – 32 Credits Required**

- ARE 2211 - INTRODUCTION TO ART EDUCATION
- ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS
- ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS
- ARE 4400 - STUDENT TEACHING
- ARE 4403 - ART EDUCATION SEMINAR
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**One of the following:**

- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES  
or
- PHL 3300 - PHILOSOPHY OF THE ARTS  
(May also satisfy General Education requirements)

**Total Semester Hours: 80**

## Art History

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Offered by the Departments of Art

Professor Kutbay

Assistant Professors Hamad, and Whitehouse, Assistant Chairperson

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The Art Department offers two baccalaureate degrees: B.S.E. in Art Education and B.A. in Art History. The art education program guides prospective teachers to meet general education requirements, to develop skills in three studio clusters with a concentration in one area, and to provide a rich foundation in studio art production skills, art history, aesthetics, criticism, theory and practice of art education. Upon satisfactory completion

of the program, the graduate is qualified to teach in the elementary and secondary schools. Graduating students must successfully complete the Praxis examinations both in general studies and their area of specialization to be certified to teach in Pennsylvania.

Incoming freshman and transfer students must successfully complete an interview and portfolio review conducted by art faculty. Portfolios must be submitted under the Art Department guidelines (see Art Dept. web page). Deadlines are: Fall admittance prior to April 30th; Spring admittance prior to November 15th.

Art history majors acquire a background in the historical and cultural origins of the visual arts, from cave painting to computer art. Some Art History courses include Ancient and Medieval Art, Art of the Renaissance, History of Prints, Oriental Art, History of African-American Art, and Native Arts of the Americas. This program is primarily preparation for graduate school, but with close advisement in selecting courses it also prepares its students for work in galleries, museums, writing in the art field, and other related careers.

The B.A. in Art History is unique, in that it offers all 30 credits of core courses in Art History in an online environment. In addition the 120 credit program requires 55 credits of General Education courses, and 35 credits of free electives. The 30 credits of core courses consist of AHR 1101 Introduction to Art, ART 3300 Visual Studies in Aesthetic Experiences, ART 4404 Special Problems in Art, and 21 credits of Art History electives. As part of the B.A. degree in Art History, students are required to do either a minor in any field, or complete any language of choice at a second year proficiency. Currently the majority of online General Education courses are offered during the summer. Students may supplement their online courses with courses that are offered on campus, or they may opt to transfer in credits from elsewhere as part of their degree program.

**Program Requirements: Art History (B.A.): 120 s.h.**

Students must complete either two semesters of a second year language proficiency or a minor in any subject.

- ARH xxxx - Art Electives Credits: 21
- ARH 1101 - INTRODUCTION TO ART
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES
- ART 4404 - SPECIAL PROBLEMS IN ART

**Total Semester Hours: 30**

## Biology

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Offered by the Department of Biology

Professors Flesch (chairperson), Kirby, Maris, Soderberg, Sternick

Associate Professors: Hensley, Stein

Assistant Professors: Clifford, Kagle

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The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation science courses in botany, zoology, cell biology, ecology, chemistry, physics and mathematics. With close advisement you may concentrate in any one of several areas: botany, physiology, ecology, and cellular biology, among others. A unique feature of all biology degrees is the requirement to complete an undergraduate research project. These programs meet the minimum requirements for medical schools. The

biology program is excellent preparation for graduate school. Many biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements of medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

**Program Requirements: Biology (B.S.) 120 s.h.**

- BI 3300/4400 - Electives
- BI 1100 - ORIENTATION TO BIOLOGY
- BI 1110 - ZOOLOGY  
(May also satisfy General Education requirements)
- BI 1130 - BOTANY  
(May also satisfy General Education requirements)
- BI 3290 - RESEARCH METHODS
- BI 3350 - ECOLOGY

**3 to 4 credit hours from the following 3351-3359**

- BI 3351 - LIMNOLOGY  
or
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS  
or
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS  
or
- BI 3354 - MARINE BIOLOGY  
or
- BI 3355 - PALEOBIOLOGY  
or
- BI 3356 - ANIMAL BEHAVIOR  
or
- BI 3357 - EPIDEMIOLOGY  
or
- BI 3358 - PLANT-ANIMAL INTERAC
- BI 3370 - CELL BIOLOGY
- BI 4496 - SEMINAR
- BI 4497 - INDEPENDENT STUDY
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)
- PHY 1192 - PHYSICS II  
(May also satisfy General Education requirements)

**3 or 4 credit hours from the following:**

- BI 3310-3319 Choice
- or
- BI 3330-3339 Choice
- BI 3310 - PHYSIOLOGY
- BI 3312 - VERTEBRATE ANATOMY
- BI 3313 - ENTOMOLOGY
- BI 3314 - ICHTHYOLOGY
- BI 3315 - FISH PATHOLOGY
- BI 3316 - INVERTEBRATE ZOOLOGY
- BI 3317 - PARASITOLOGY
- BI 3318 - ORNITHOLOGY
- or
- BI 3330 - PLANT PHYSIOLOGY
- BI 3331 - LOCAL FLORA

**2 to 4 credit hours from the following:**

- BI 3371-3379 Choice
- or
- BI 4470-4471 Choice
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3373 - GENETIC RESEARCH
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 3378 - TISSUE CULTURE
- or
- BI 4470 - MOLECULAR BIOLOGY
- BI 4471 - CELL PHYSIOLOGY

**1 to 12 credit hours from the following:**

- BI 3390-3399 Choice
- or
- BI 4450 Internship
- or
- BI 4491-4495, 4497 Choice
- BI 3390 - BIostatistics AND EXPERIMENTAL DESIGN
- BI 3391 - EVOLUTION
- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- or
- BI 4450 - INTERNSHIP
- or
- BI 4491 - AQUACULTURE RESEARCH
- BI 4497 - INDEPENDENT STUDY

**Total Semester Hours: 65-82**

## Biology, Cell and Molecular Concentration

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Offered by the Department of Biology  
 Professors Flesch (chairperson), Kirby, Maris, Soderberg, Sternick  
 Associate Professors: Clifford, Hensley  
 Assistant Professors: Kagle, Stein

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The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation science courses in botany, zoology, cell biology, ecology, chemistry, physics and mathematics. With close advisement you may concentrate in any one of several areas: botany, physiology, ecology, and cellular biology, among others. A unique feature of all biology degrees is the requirement to complete an undergraduate research project. These programs meet the minimum requirements for medical schools. The biology program is excellent preparation for graduate school. Many biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements of medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

The cell and molecular biology concentration is designed to educate students in contemporary biology emphasizing molecular interactions, cell development and functions. This concentration is the primary degree for medical school preparation. Also Mansfield University participates in the Pennsylvania State University's Primary Care partnership Program at the College of Medicine-Hershey Medical Center. MU has an affiliation with the Temple University School of Dentistry. This program has a strong emphasis on chemistry. Students learn to manipulate and use a variety of cell and molecular techniques important in present day research. Students selecting this track are qualified to enter the job market in biotechnology, pharmaceuticals, medicine, and the molecular biology of the environment.

### Program Requirements: Biology Cell & Molecular Concentration

- BI 3300/4400 - Biology Electives
- BI 1100 - ORIENTATION TO BIOLOGY
- BI 1110 - ZOOLOGY  
(May also satisfy General Education requirements)
- BI 1130 - BOTANY  
(May also satisfy General Education requirements)
- BI 3290 - RESEARCH METHODS
- BI 3310 - PHYSIOLOGY  
or
- BI 3330 - PLANT PHYSIOLOGY
- BI 3350 - ECOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3373 - GENETIC RESEARCH
- BI 3374 - IMMUNOLOGY



- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 4496 - SEMINAR
- BI 4497 - INDEPENDENT STUDY
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3341 - BIOCHEMISTRY
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)
- PHY 1192 - PHYSICS II  
(May also satisfy General Education requirements)

**Total Semester Hours: 77-79**

## **Biology, Environmental Science Concentration**

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Offered by the Department of Biology

Professors Fleisch (chairperson), Kirby, Maris, Soderberg, Sternick

Associate Professors: Clifford, Hensley

Assistant Professors: Kagle, Stein

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The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation science courses in botany, zoology, cell biology, ecology, chemistry, physics and mathematics. With close advisement you may concentrate in any one of several areas: botany, physiology, ecology, and cellular biology, among others. A unique feature of all biology degrees is the requirement to complete an undergraduate research project. These programs meet the minimum requirements for medical schools. The biology program is excellent preparation for graduate school. Many biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements of medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

The environmental track is for students interested in environmental issues. Students receive a general overview of the field as well as practical skills. The program is designed to train scientists to look at environmental problems in an interdisciplinary way. Students will receive a solid base in the environmental field as well as related courses in the arts and sciences. Program graduates can expect employment opportunities with state and federal agencies or in the private sector.

**Program Requirements: Biology, Environmental Science Concentration  
(B.S.): 120 s.h.**

- 3000/4000 Elective
- BI 1100 - ORIENTATION TO BIOLOGY
- BI 1110 - ZOOLOGY  
(May also satisfy General Education requirements)
- BI 1111 - FISH CULTURE I
- BI 1112 - FISH CULTURE II
- BI 1130 - BOTANY  
(May also satisfy General Education requirements)
- BI 3290 - RESEARCH METHODS
- BI 3310 - PHYSIOLOGY  
or
- BI 3312 - VERTEBRATE ANATOMY  
or
- BI 3313 - ENTOMOLOGY  
or
- BI 3314 - ICHTHYOLOGY  
or
- BI 3315 - FISH PATHOLOGY  
or
- BI 3316 - INVERTEBRATE ZOOLOGY  
or
- BI 3317 - PARASITOLOGY  
or
- BI 3318 - ORNITHOLOGY
- BI 3330 - PLANT PHYSIOLOGY  
or
- BI 3331 - LOCAL FLORA
- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3390 - BIostatISTICS AND EXPERIMENTAL DESIGN
- BI 4496 - SEMINAR
- BI 4497 - INDEPENDENT STUDY
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- GEG 1122 - ENVIRONMENTAL ISSUES  
(May also satisfy General Education requirements)
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)

- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)
- PHY 1192 - PHYSICS II  
(May also satisfy General Education requirements)

**2 to 4 credit hours from the following:**

- BI 3371-3381 Choice  
or
- BI 4470-4471 Choice
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3373 - GENETIC RESEARCH
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- BI 3378 - TISSUE CULTURE
- BI 3381 - ENVIRONMENTAL MICROBIOLOGY  
or
- BI 4470 - MOLECULAR BIOLOGY
- BI 4471 - CELL PHYSIOLOGY

**Select Four Courses:**

- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3332 - INSTRUMENTAL ANALYSIS
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4420 - REMOTE SENSING  
Cross-listed with GEL 4420
- GEL 3330 - HYDROLOGY
- GEL 4420 - REMOTE SENSING  
Cross-listed with GEG 4420

**Total Semester Hours: 85-90**

## Biology, Fisheries

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Offered by the Department of Biology

Professors Flesch (chairperson), Kirby, Maris, Soderberg, Sternick

Associate Professors: Clifford, Hensley

Assistant Professors: Kagle, Stein

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The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation science courses in botany, zoology, cell biology, ecology, chemistry, physics and mathematics. With close advisement you may concentrate in any one of several areas: botany, physiology, ecology, and cellular biology, among others. A unique feature of all biology degrees is the requirement to complete an undergraduate research project. These programs meet the minimum requirements for medical schools. The biology program is excellent preparation for graduate school. Many biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements of medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

Mansfield University offers the only undergraduate fisheries degree in Pennsylvania and the most complete undergraduate fisheries program in the country. MU fisheries interns and graduates have been placed across the United States, establishing Mansfield as a major center for fisheries education. Graduates are, therefore, very competitive for employment and graduate school opportunities. This B.S. degree program is housed within the Biology Department and provides extensive course work in the three major areas of fisheries science: aquaculture, fisheries biology, and fisheries management. Unique features of the program include a summer internship, field courses, and a required research project. Cooperative education and research agreements with the U.S. Geological Survey and the Pennsylvania Fish and Boat Commission are integral components of the fisheries program at Mansfield University. Graduates of the program meet the requirements for certification as Associate Fisheries Scientists by the American Fisheries Society. With a year of organic chemistry, the fisheries major will have a minor in chemistry. The chemistry minor, Genetics (BI 3372), and Biostatistics and Experimental Design (BI 3390) are highly recommended for fisheries' graduates who plan to attend graduate school. Students wishing to receive American Fisheries Society certification must take a statistics course through advisement.

**Program Requirements: Biology, Fisheries (B.S.): 120 s.h.**

- BI 1100 - ORIENTATION TO BIOLOGY
- BI 1110 - ZOOLOGY  
(May also satisfy General Education requirements)
- BI 1111 - FISH CULTURE I
- BI 1112 - FISH CULTURE II
- BI 1130 - BOTANY  
(May also satisfy General Education requirements)
- BI 3290 - RESEARCH METHODS
- BI 3314 - ICHTHYOLOGY
- BI 3315 - FISH PATHOLOGY
- BI 3350 - ECOLOGY
- BI 3351 - LIMNOLOGY
- BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS
- BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- Or
- BI 3381 - ENVIRONMENTAL MICROBIOLOGY
- BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
- BI 4450 - INTERNSHIP
- BI 4491 - AQUACULTURE RESEARCH
- BI 4496 - SEMINAR
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3332 - INSTRUMENTAL ANALYSIS

- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)
- PHY 1192 - PHYSICS II  
(May also satisfy General Education requirements)

**Total Semester Hours: 85**

## **Business Administration**

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Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan

Associate Professors Dugan, Gaballa, Ghods

Assistant Professor Havalchak

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Our mission is to achieve excellence in business learning by developing innovative, principled, and insightful leaders who contribute to their local communities and interact in a diverse society.

Our goal is to achieve a business-focused learning environment and to nurture leadership potential in an academically rigorous, mutually responsible learning process, enhanced by interdisciplinary scholarship and community engagement.

Our Core Values:

### **CHARACTER**

We believe in integrity. We act with honesty and respect toward others. We take responsibility for our actions and reflect on their impact on others and ourselves.

### **SCHOLARSHIP**

We believe in learning. We use rigorous, responsible, and critical inquiry to understand existing knowledge, acquire and share new knowledge, and apply what we learn. Each of us is both student and teacher.

### **CULTURE**

We believe in celebrating humanity. We enrich ourselves and others by sharing and exploring our similarities and differences. We honor the past as we invent the future.

### **SERVICE**

We believe in helping others. We work with others to improve the communities in which we now live and will touch in the future. Knowledge invests us with the power to improve our world and the responsibility to act.

The business program [the program] provides its students with general education experiences critical to success in our fast-paced, global environment. As the amount of information available continues to accelerate; it is the leadership skills learned at Mansfield that will provide our business graduates with the compass to navigate this complex environment. Leadership skills are buoyed by key employer-requested skills, including written and oral communication, quantitative and information literacy, teamwork, problem solving, and civil responsibility. This valuable skill set is embedded into the program's general education and reinforced in the student's business coursework, including knowledge in the fields of finance, computer information systems and technology, global business, economics, management, marketing, and accounting.

### **The Business Administration major:**

The business administration major allows students maximum flexibility to design an individualized program of study tailored to each student's individual interests and

aspirations. Students can emphasize one or two content areas: finance, economics, international business, management, marketing, travel & tourism, or accounting. Alternately, students can choose a broad undergraduate business background and select courses from a blend of areas. The program is designed so that a student can select an additional twelve or more hours of study in one of the many minors offered at Mansfield, or take additional coursework in business.

The program is designed to accentuate faculty talent and focus faculty efforts in a manner that maximizes resources to best serve our student population. Students can qualify to sit for the CPA exam in Pennsylvania with a Bachelor of Science degree in Business Administration from Mansfield University and gain their CPA license with work experience. Students must to take one summer class from Mansfield to complete the coursework satisfactory to the PA Board of Accountancy, Auditing. Many states require additional courses to establish eligibility to sit for the exam or obtain licensing. In many states, the minimum number of college credit hours is 150. As academic advisors, the business faculty assist students with coursework selection.

**Program Requirements: Business Administration (B.S.): 120 s.h.**

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- BUS 3349 - QUANTITATIVE BUSINESS ANALYSIS
- BUS 3350 - OPERATIONS MANAGEMENT
- BUS 4410 - BUSINESS LAW I
- BUS 4490 - STRATEGIC MANAGEMENT and BUSINESS POLICY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION  
(May also satisfy General Education requirements) or
- COM 3360 - ORGANIZATIONAL COMMUNICATION  
(May satisfy General Education requirements)
- ECO 1101 - PRINCIPLES OF MACROECONOMICS  
(May also satisfy General Education requirements)
- ECO 1102 - PRINCIPLES OF MICROECONOMICS  
(May also satisfy General Education requirements)
- FIN 3380 - MANAGERIAL FINANCE
- MA 1125 - INTRODUCTORY STATISTICS  
(May also satisfy General Education requirements)
- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS  
(May also satisfy General Education requirements) or
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements) or
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)

## Business Electives

Take 18 credits from any of the following courses:

### Accounting

- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3311 - INTERMEDIATE ACCOUNTING II
- ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS
- ACC 3320 - ADVANCED ACCOUNTING I
- ACC 3350 - COST ACCOUNTING I
- ACC 3370 - FRAUD EXAMINATION
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING
- ACC 4400 - AUDITING

### Economics / Finance

- ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY
- ECO 3311 - MONEY AND BANKING
- ECO 3333 - INTERNATIONAL ECONOMICS
- ECO 4485 - MANAGERIAL ECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT
- FIN 4435 - INVESTMENT THEORY

### Management

- BUS 3302 - MANAGERIAL DECISION MAKING
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

### Marketing

- BUS 3260 - ENTREPRENEURSHIP
- BUS 3310 - MANAGING DIVERSITY
- MKT 3334 - MARKETING RESEARCH
- MKT 3370 - SALESMANSHIP
- MKT 4421 - MARKETING CHANNELS
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-to-BUSINESS MARKETING
- MKT 4426 - E-MARKETING

### Psychology

- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II

### Travel & Tourism

- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3350 - HOTEL AND RESORT MANAGEMENT AND OPERATIONS
- TRT 4430 - TOURISM SUPPLIERS AND WHOLESALERS

**Total Semester Hours for Core: 72-73**

## **Chemistry with Chemistry, Biochemistry, Nanotechnology and Forensic Science Concentration**

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Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson), Davis

Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky

Assistant Professors Kiessling

Instructor Tandon

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The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. The Department of Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

The ACS-certified B.S. degree in Chemistry follows the nationally recognized standards for undergraduate education in chemistry of the American Chemical Society. Both the ACS-certified B.S. degree in Chemistry and the traditional B.S. in Chemistry place an emphasis on organic and inorganic chemistry, mathematics, general education and provide excellent preparation for students to pursue graduate studies or employment in industry. Students who complete either degree option will be well prepared for advanced studies in medicine, dentistry, optometry, patent law, and related professions. Students who elect this degree are prepared to assume careers with food, pharmaceutical, oil, and chemical industries. Chemists are often involved in quality control, research, sales, monitoring employee environments, and agencies requiring analytical skills. Chemistry graduates are very competitive in the retail and wholesale professions. Over half of our chemistry graduates continue on to graduate school.

The B.S. degree in Chemistry also offers a Biochemistry concentration that recognizes the recent growth of the biotechnology industry and attention in all industrial sectors to biological problems. Students receive broad training in traditional areas of chemistry with additional emphasis in the area of cellular and molecular biology. Graduates are well-prepared for a changing job market or for further study in chemistry, biology, or professional disciplines such as medicine, dentistry, or pharmacy. Career opportunities are available in medicine, dentistry, pharmacy, pharmaceutical, biotechnology, food, and cosmetics industries.

The B.S. degree in Chemistry with a nanotechnology concentration is designed for students who want a chemistry education that concentrates on the rapidly growing field of nanotechnology and nanomanufacturing. This concentration requires a one semester nanomanufacturing lab experience at the Penn State Nanofabrication Facility. Some career opportunities for students completing this program include employment in pharmaceutical, biomedical, semiconductor, microelectronic, and optoelectronic industries. This program is excellent preparation for graduate study in solid-state chemistry, materials science, and microelectronics.

The B.S. degree in Chemistry with a forensic science concentration is designed for students who are considering the growing forensic science field. Students receive broad training in chemistry, necessary for students to fully understand the scope and depth of



the science and laboratory skill needed to become a forensic scientist. More specialized courses in forensic science, biology and physics are designed along AAFS standards to give students context in the specifics of the field. Graduates are prepared to begin work in forensic laboratories or to continue training at the graduate level. Due to the generalist nature of the degree, they are fully prepared to continue on in the more traditional training or professions pursued in any of the B.S. chemistry degree concentrations.

Cooperative Education is an opportunity available to junior and senior chemistry majors who are enrolled in any of the B.S. or B.S.E. programs. Students accepted into the program gain valuable career experience, a salary, and up to a maximum of 9 credits toward graduation. To fulfill the requirements of this program, the student usually spends one semester plus one summer on location with a participating industry.

### **Program Requirements: Chemistry (B.S.): 120 s.h.**

All students with a concentration in Chemistry, Biochemistry, Nanotechnology, or Forensic Science must take the following core classes: (For the ACS-certified B.S. degree students are required to take CHM 3341 and 2-3 credits of research. Please talk to a faculty advisor for more information about the ACS-certified B.S. degree)

#### **Core: 49 s.h.**

- MA xxxx - Math Elective (MA 1125 or higher) Credits: 3  
(May also satisfy General Education requirements)
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)
- PHY 2210 - GENERAL PHYSICS I  
(May also satisfy General Education requirements)
- PHY 2211 - GENERAL PHYSICS II  
(May also satisfy General Education requirements)

**Total Semester Hours for Core: 49**

#### **Concentrations:**

##### **Chemistry Concentration: 21 s.h.**

- CHM xxxx - Chemistry Electives (CHM 3341, 4421, 4432)
- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY
- MA 2233 - CALCULUS III

**Chemistry Electives**

- CHM 3341 - BIOCHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4432 - STRUCTURAL CHEMISTRY

**Total Semester Hours for Concentration: 21**

**Biochemistry Concentration: 21 s.h.**

- BI 3370 - CELL BIOLOGY
- CHM 3341 - BIOCHEMISTRY
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY  
or
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY

**Biochemistry Electives**

- BI 3310 - PHYSIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3372 - GENETICS
- BI 3374 - IMMUNOLOGY
- BI 3375 - DEVELOPMENTAL BIOLOGY

**One of the following:**

- CHM 3322 - PHYSICAL CHEMISTRY II  
or
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

**Total Semester Hours for Concentration: 21**

**Nanotechnology Concentration: 21-22 s.h.**

- SCI 3270 - NANOTECH LAB EXPERIENCE

**One of the following courses:**

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

**Total Semester Hours for Concentration: 21-22**

**Forensic Science Concentration: 24 s.h.**

- CHM 3264 - CHEM MTDS FOREN SCI
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- MA 2233 - CALCULUS III
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE
- SCI 1104 - FORENSIC SCIENCE

**Choose one of the following:**

- CJA 3262 - INVESTIGATION AND INTERROGATION
- CJA 3336 - CRIMINALISTICS
- CJA 3355 - EVIDENCE and CRIMINAL PROCEDURE

**Choose two of the following:**

- BI 3370 - CELL BIOLOGY
- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY

**Total Semester Hours for Concentration: 27**

## Chemistry Education

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Offered by the Department of Chemistry and Physics  
 Professors Ramasamy (chairperson) Davis  
 Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky  
 Assistant Professors Kiessling  
 Instructor Tandon

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The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. The Department of Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

This B.S.E. degree leads to certification as a qualified chemistry teacher in secondary schools. In addition, the student receives a sufficiently extensive background to continue on to graduate school for further studies in chemistry. A student who completes the program will graduate with a provisional certificate to teach in the Commonwealth of Pennsylvania. The current demand for high school chemistry teachers, both nationwide and in Pennsylvania, is high and the future looks bright for qualified people. In addition the B.S.E. is the traditional entry-level degree for school administrative positions such as school counselors, principals, superintendents, and other educational specialists. Education and chemistry faculties are involved in advising students in this program.

See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

### Program Requirements: Chemistry Education (B.S.E.): 126 s.h.

- ENG xxxx - Literature Credits: (3)
- BI 3370 - CELL BIOLOGY  
(May also satisfy General Education requirements)
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- CHM 3311 - QUANTITATIVE ANALYSIS
- CHM 3321 - PHYSICAL CHEMISTRY I
- CHM 3332 - INSTRUMENTAL ANALYSIS
- CHM 4410 - SEMINAR
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING

- ED 4460 - PROFESSIONAL SEMINAR
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)  
or
- PHY 2210 - GENERAL PHYSICS I  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**One of the following:**

- MA 1125 - INTRODUCTORY STATISTICS  
(May also satisfy General Education requirements)  
or
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)

**One of the following:**

- PHY 1192 - PHYSICS II  
(May also satisfy General Education requirements)  
or
- PHY 2211 - GENERAL PHYSICS II  
(May also satisfy General Education requirements)

**Chemistry Electives**

- CHM 3322 - PHYSICAL CHEMISTRY II
- CHM 3341 - BIOCHEMISTRY
- CHM 3352 - RADIOCHEMISTRY
- CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY
- CHM 4421 - ADVANCED ORGANIC CHEMISTRY
- CHM 4431 - ADVANCED INORGANIC CHEMISTRY
- CHM 4432 - STRUCTURAL CHEMISTRY

**Total Semester Hours: 99-100**

## Communication

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Offered by the Department of Communication and Theatre

Professor Young

Associate Professors Carrish-Bulkley, Hoy, Longoria, Wright, L. (chairperson)

Assistant Professors Bernum, Crum, Pieper

Instructors Lohrey, Mason, McIntyre

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The Communication program provides students with an extensive background in human communication study. Graduates often seek employment in management, human services, health care, counseling, law or continue to graduate school with the objective of seeking education-based careers. Qualified students are encouraged to participate in the Department's successful internship program.

After the first semester all majors will have a prepared portfolio reviewed by the student's advisor prior to registration for the subsequent semester. Details on portfolio contents can be found in the student department handbook.

**Program Requirements: Communication (B.S.): 120 s.h.**

- COM xxx - Communication Electives Credits: 9
- COM 2203 - VOICE AND ARTICULATION
- COM 2205 - INTERPRETING COMMUNICATION RESEARCH
- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION
- COM 4401 - PERSUASION
- COM 4425 - PUBLIC COMMUNICATION

**Total Semester Hours: 30**

## **Computer & Information Science, Computer Science Concentration**

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Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (chairperson), Lienhard

Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye

Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

### **Program Requirements: Computer & Information Science, Computer Science Concentration (B.S.): 120 s.h**

- Major Related Electives/3000 or higher Credits: 6
- Choose Natural Lab Science Elective Credits: 4
- CIS 1104 - COMPUTER SCIENCE I
- CIS 2204 - COMPUTER SCIENCE II
- CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
- CIS 3300 - PROGRAMMING LANGUAGES
- CIS 3301 - DATA STRUCTURES

- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- CIS 3311 - SOFTWARE ENGINEERING
- CIS 3325 - OPERATING SYSTEMS
- CIS 3330 - COMPUTER ORGANIZATION
- CIS 3340 - DATABASE SYSTEMS
- CIS 3350 - ANALYSIS OF ALGORITHMS
- CIS 3390 - NETWORKING I
- CIS 4490 - NETWORKING II
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)
- MA 3260 - DISCRETE STRUCTURES  
(May also satisfy General Education requirements)
- MA 3310 - NUMERICAL ANALYSIS  
May also satisfy General Education Requirements
- MA 3314 - APPLIED PROBABILITY AND STATISTICS  
(May also satisfy General Education requirements)
- MA 4401 - SELECTED TOPICS

**Choose a two course 8 credit lab science sequence**

Take one of the following groups:

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
and
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II
- CHM 1101 - INTRODUCTORY CHEMISTRY  
and
- CHM 1102 - ORGANIC AND BIOCHEMISTRY
- CHM 1111 - GENERAL CHEMISTRY I  
and
- CHM 1112 - GENERAL CHEMISTRY II
- PHY 1151 - CONCEPTUAL PHYSICS I  
and
- PHY 1152 - CONCEPTUAL PHYSICS II
- PHY 1191 - PHYSICS I  
and
- PHY 1192 - PHYSICS II
- PHY 2210 - GENERAL PHYSICS I  
and
- PHY 2211 - GENERAL PHYSICS II

**Total Semester Hours: 75**

# Computer & Information Science, Information Systems Concentration

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Offered by the Department of Mathematics and Computer Information Science  
 Professors H. Iseri (chairperson), Lienhard  
 Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye  
 Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

## Program Requirements: Computer & Information Science, Information Systems Concentration (B.S.): 120

- ACC 3\*\*\* or ACC 4\*\*\* (Upper level accounting course) or MKT 3330 Marketing Credits: 3
  - Major Related Electives (3000 level or higher) Credits: 6
  - ACC 1110 - PRINCIPLES OF ACCOUNTING I
  - CIS 1104 - COMPUTER SCIENCE I
  - CIS 2204 - COMPUTER SCIENCE II
  - CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I
  - CIS 3301 - DATA STRUCTURES
  - CIS 3303 - WEB SITE DESIGN
  - CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
  - CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
  - CIS 3310 - SYSTEMS ANALYSIS
  - CIS 3330 - COMPUTER ORGANIZATION
  - CIS 3340 - DATABASE SYSTEMS
  - CIS 3390 - NETWORKING I
  - CIS 4309 - E-COMMERCE SYSTEMS
  - MA 1125 - INTRODUCTORY STATISTICS  
 (May also satisfy General Education requirements)
- Or

- MA 3314 - APPLIED PROBABILITY AND STATISTICS  
(May also satisfy General Education requirements)

**Take one course from the following:**

- MA 1129 - FINITE MATHEMATICS  
(May also satisfy General Education requirements)  
Or
- MA 3260 - DISCRETE STRUCTURES  
(May also satisfy General Education requirements)  
Or
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY  
(May also satisfy General Education requirements)

**Take one course from the following:**

- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS  
(May also satisfy General Education requirements)  
Or
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)

**Take one course from the following:**

- ACC 1111 - PRINCIPLES OF ACCOUNTING II  
Or
- ECO 1101 - PRINCIPLES OF MACROECONOMICS  
Or
- ECO 1102 - PRINCIPLES OF MICROECONOMICS

**Take one course from the following:**

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- MGT 2230 - MANAGEMENT PRINCIPLES

**Take one course from the following:**

- BUS 3350 - OPERATIONS MANAGEMENT  
Or
- CIS 3308 - OPERATIONS RESEARCH

**Total Semester Hours: 66-67**

## Computer Information Systems A.S.

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Offered by the Department of Mathematics and Computer Information Science  
Professors H. Iseri (chairperson), Lienhard  
Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye  
Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.



The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

**Program Requirements: Computer Information Systems (A.S.): 60 s.h.**

- CIS 3000/4000 Computer Information Systems Electives Credits: 3
- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- CIS 1102 - VISUAL BASIC PROGRAMMING
- Or
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS  
(May also satisfy General Education requirements)
- CIS 1104 - COMPUTER SCIENCE I
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 2204 - COMPUTER SCIENCE II
- CIS 3303 - WEB SITE DESIGN
- ECO 1101 - PRINCIPLES OF MACROECONOMICS  
(May also satisfy General Education requirements)
- Or
- ECO 1102 - PRINCIPLES OF MICROECONOMICS  
(May also satisfy General Education requirements)
- MA 1125 - INTRODUCTORY STATISTICS  
(May also satisfy General Education requirements)
- MGT 2230 - MANAGEMENT PRINCIPLES
- PHL 2200 - CRITICAL THINKING  
(May also satisfy General Education requirements)
- Or
- PHL 3230 - FORMAL LOGIC  
(May also satisfy General Education requirements)

**Total Semester Hours: 39**

## **Criminal Justice Administration**

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Offered by the Department of Criminal Justice Administration

Professor Ryan

Associate Professors Robarge (chairperson), Thornsley

Instructors: Judge John Leete, Judge John Mott, and Chief Bruce Stayments

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The Department of Criminal Justice Administration offers programs of study leading to the following degrees: B.S. in Criminal Justice Administration, A.S. in Criminal Justice Administration, and a minor. CJA provides a systems-based background with a core curriculum covering the criminal justice areas of law enforcement, courts, corrections and juvenile delinquency.

Depending on a particular career interest, courses may also be selected from the following areas: police administration, investigation and interrogation, criminalistics, private security, criminology, criminal law, serial murder, organized crime, white collar crime and juvenile justice administration, etc.

Upon departmental approval, internships can be taken at federal, state, or local criminal justice agencies anywhere in the United States.

Career areas: Our CJA graduates are employed by U.S. Immigration, DEA, FBI, Secret Service, U.S. Marshals Office and Federal Bureau of Prisons. Numerous graduates work in state and municipal law enforcement agencies, correctional facilities, probation, parole, juvenile justice, and private security settings. Many graduates have also been successful in pursuing graduate and law degrees.

**Program Requirements: Criminal Justice Administration (B.S.): 120 s.h.**

- CJA xxxx - Criminal Justice Administration Electives Credits: 21
- PSC xxxx - Political Science Elective Credits: 3  
(May also satisfy General Education Requirements)
- PSY xxxx - Psychology Elective Credits: 3  
(May also satisfy General Education Requirements)
- SOC xxxx - Sociology Elective Credits: 3  
(May also satisfy General Education Requirements)
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS  
(May also satisfy General Education requirements)
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS
- CJA 3324 - JUDICIAL CRIMINAL PROCESS
- CJA 3395 - DELINQUENCY AND THE CRIMINAL JUSTICE SYSTEM
- CJA 4490 - SENIOR SEMINAR

**Total Semester Hours: 51**

## **Criminal Justice Administration A.S.**

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Offered by the Department of Criminal Justice Administration

Professor Ryan

Associate Professors Robarge (chairperson), Thornsley

Instructors: Judge John Leete, Judge John Mott, and Sergeant Bruce Stayments

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The Department of Criminal Justice Administration offers programs of study leading to the following degrees: B.S. in Criminal Justice Administration, A.S. in Criminal Justice Administration, and a minor. CJA provides a systems-based background with a core curriculum covering the criminal justice areas of law enforcement, courts, corrections and juvenile delinquency.

Depending on a particular career interest, courses may also be selected from the following areas: police administration, investigation and interrogation, criminalistics, private security, criminology, criminal law, serial murder, organized crime, white collar crime and juvenile justice administration.

Upon departmental approval, internships can be taken at federal, state, or local criminal justice agencies anywhere in the United States.

Career areas: Our CJA graduates are employed by U.S. Immigration, DEA, FBI, Secret Service, U.S. Marshals Office and Federal Bureau of Prisons. Numerous graduates work

in state and municipal law enforcement agencies, correctional facilities, probation, parole, juvenile justice, and private security settings. Many graduates have also been successful in pursuing graduate and law degrees.

**Program Requirements: Criminal Justice Administration (A.S.): 61 s.h.**

- CJA xxxx - Major Related Electives Credits: 12
- PSC xxxx - Political Science Elective Credits: 3  
(May also satisfy General Education Requirements)
- PSY xxxx - Psychology Elective Credits: 3  
(May also satisfy General Education Requirements)
- SOC xxxx - Sociology Elective Credits: 3  
(May also satisfy General Education Requirements)
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS

**Total Semester Hours: 30**

## Earth and Space Science Education

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors Darby, King, Thorne

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The B.S.E. in earth and space science prepares students for teaching at the middle to high school level.

See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

**Program Requirements: Earth and Space Science Education (B.S.E.): 126 s.h.**

- MA xxxx - Math Electives Credits: 6  
(May also satisfy General Education requirements)
- AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM  
(May also satisfy General Education requirements)
- AST 1106 - ONE POSSIBLE UNIVERSE  
(May also satisfy General Education requirements)
- BSC 1101 - GENERAL BIOLOGY  
(May also satisfy General Education requirements)
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY

- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1122 - ENVIRONMENTAL ISSUES  
(May also satisfy General Education requirements)
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION  
(Cross-listed with GEL 3290)
- GEG 3312 - WEATHER AND CLIMATE
- GEL 1102 - ENVIRONMENTAL GEOLOGY  
(May also satisfy General Education requirements)
- GEL 1121 - PHYSICAL GEOLOGY  
(May also satisfy General Education requirements)
- GEL 3290 - MAP AND AIR PHOTO INTERPRETATION  
(Cross-listed with GEG 3290)
- GEL 3322 - HISTORICAL GEOLOGY
- GEL 3362 - MINERALOGY/PETROLOGY
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SCI 1107 - PHYSICAL SCIENCE I  
(May also satisfy General Education requirements)
- SCI 1108 - PHYSICAL SCIENCE II  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Select Two Courses:**

- BI 3354 - MARINE BIOLOGY
- GEG 3321 - (GEL) GEOMORPHOLOGY  
(Cross-listed with GEL 3321)
- GEG 3330 - ADVANCED CARTOGRAPHY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY
- GEG 4420 - REMOTE SENSING  
(Cross-listed with GEL 4420)
- GEL 3321 - GEOMORPHOLOGY  
(Cross-listed with GEG 3321)
- GEL 4420 - REMOTE SENSING  
(Cross-listed with GEG 4420)

**Total Semester Hours: 96**

## **Elementary Education**

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

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Certification Requirements: Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter

354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "University Policies." The elementary education program at Mansfield prepares students for teaching in the elementary grades. The program is organized around the teacher education theme, "Teacher as Reflective Decision-Maker," and students learn to make instructional decisions that are grounded in accepted educational theory, research and practice. Students in the program learn to plan instruction based on knowledge of content and on the diverse abilities of their students, design classroom environments that promote learning, deliver instruction in effective and varied ways, and fulfill the professional responsibilities of teachers. The elementary education program features field experiences in schools throughout all four years of study culminating in student teaching in the senior year. A particular area of emphasis in the elementary education program is on the uses of children's literature to enhance elementary teaching in all curricular areas. The use of instructional technology is integrated throughout the program. Many education majors also pursue graduate studies after graduation.

Three program options exist within the elementary education major. Students may elect to complete the elementary education degree program (120 credits) or complete the elementary education degree program with second certification in early childhood education (126 credits) or special education (135 credits). In addition to the courses of study, students must also complete all state required testing and other certification requirements in order to be recommended for teaching certification. See the catalog section entitled, "University Policies" for further details.

**Program Requirements: Elementary Education (B.S.E.): 120 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION  
(pre-gate course – see "Teacher Education Certification" section)
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(pre-gate course – see "Teacher Education Certification" section)
- ED 3260 - ASSESSMENT IN EDUCATION
- ELE 2220 - CHILD DEVELOPMENT  
(pre-gate course – see "Teacher Education Certification" section)
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I
- ELE 3384 - TEACHING ELEMENTARY MATHEMATICS
- ELE 3386 - TEACHING ELEMENTARY SOCIAL STUDIES
- ELE 3387 - TEACHING ELEMENTARY SCIENCE AND TECHNOLOGY
- ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES
- ELE 3395 - CREATIVE EXPERIENCES IN ELEMENTARY TEACHING
- ELE 4400 - STUDENT TEACHING
- ELE 4403 - TEACHING ELEMENTARY LANGUAGE ARTS
- ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II
- ELE 4460 - PROFESSIONAL SEMINAR
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 59**

## Elementary Education with Second Certification in Early Childhood Education

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

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Certification Requirements: Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "University Policies."

Students interested in early childhood education major in elementary education and earn an elementary education degree, but they are prepared to apply for certification in both early childhood (N-3) and elementary (K-6) in this 126 credit program. This program combines coursework in elementary education with additional focused courses in teaching young children, ages 3 through 8.

In the early childhood courses there is an emphasis on a cooperative, hands-on approach to helping children learn. Important early childhood topics include: child development, a healthy safe learning environment, developmentally appropriate curriculum, guiding children's behavior, family relationships, cultural and individual diversity, and professionalism. The early childhood and elementary program features field experiences throughout all four years, culminating in student teaching. Graduates of the program may pursue teaching positions in either preschool or elementary grades or positions as teachers or director in child care centers. Many education majors also pursue graduate studies after graduation.

See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

### **Program Requirements: Elementary Education (B.S.E): 126 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION  
(pre-gate course – see "Teacher Education Certification" section)
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(pre-gate course – see "Teacher Education Certification" section)
- ED 3260 - ASSESSMENT IN EDUCATION
- ELE 1150 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION  
(pre-gate course – see "Teacher Education Certification" section)
- ELE 2220 - CHILD DEVELOPMENT  
(pre-gate course – see "Teacher Education Certification" section)
- ELE 3263 - PRESCHOOL CURRICULUM AGES 3 - 5
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ELE 3362 - EMERGING LITERACY
- ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I
- ELE 3384 - TEACHING ELEMENTARY MATHEMATICS
- ELE 3386 - TEACHING ELEMENTARY SOCIAL STUDIES

- ELE 3387 - TEACHING ELEMENTARY SCIENCE AND TECHNOLOGY
- ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES
- ELE 3395 - CREATIVE EXPERIENCES IN ELEMENTARY TEACHING
- ELE 4400 - STUDENT TEACHING
- ELE 4403 - TEACHING ELEMENTARY LANGUAGE ARTS
- ELE 4405 - EARLY SCHOOL CURRICULUM AGES 6-8
- ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II
- ELE 4460 - PROFESSIONAL SEMINAR
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS
- SPE 3370 - EARLY CHILDHOOD DISABILITIES

**Total Semester Hours: 74**

## **Elementary Education with Second Certification in Special Education**

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

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Certification Requirements: Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "University Policies."

This curriculum option to earn a second certification is available to students majoring in either elementary education or special education. Although students must apply for admission to either elementary education or special education and earn just one degree, they complete a combined set of courses that prepares them to apply for teacher certification in both elementary (K-6) and special education (K-12). As school classrooms have been changing, more special needs students are being educated alongside their same-age peers. Teachers need knowledge and skills to adapt instruction to meet the educational needs of all of their students. The 135 credit hour inclusive elementary and special education curriculum option features essential courses in both elementary and special education. Students learn to plan instruction, design effective classroom environments, teach and adapt instruction in effective ways, assess student learning, and perform professional responsibilities as both regular and special educators. Students completing the program student teach both in elementary education and special education assignments. Graduates of the program may pursue teaching positions in either elementary or special education. Many education majors also pursue graduate studies after graduation.

See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

**Program Requirements: Elementary Education (B.S.E.) 135 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION  
(pre-gate course – see “Teacher Education Certification” section)
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(pre-gate course – see “Teacher Education Certification” section)
- ELE 2220 - CHILD DEVELOPMENT  
(pre-gate course – see “Teacher Education Certification” section)
- ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY
- ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I
- ELE 3384 - TEACHING ELEMENTARY MATHEMATICS
- ELE 3386 - TEACHING ELEMENTARY SOCIAL STUDIES
- ELE 3387 - TEACHING ELEMENTARY SCIENCE AND TECHNOLOGY
- ELE 3395 - CREATIVE EXPERIENCES IN ELEMENTARY TEACHING
- ELE 4400 - STUDENT TEACHING
- ELE 4403 - TEACHING ELEMENTARY LANGUAGE ARTS
- ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II
- ELE 4460 - PROFESSIONAL SEMINAR
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION  
(pre-gate course – see “Teacher Education Certification” section)
- SPE 3270 - MENTALLY AND PHYSICALLY DISABLED  
(pre-gate course – see “Teacher Education Certification” section)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS
- SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT
- SPE 3290 - LEARNING DISABILITIES
- SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT
- SPE 3351 - BEHAVIOR MANAGEMENT
- SPE 3370 - EARLY CHILDHOOD DISABILITIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES
- SPE 4440 - METHODS FOR INDIVIDUALS WITH MODERATE/SEVERE DISABILITIES

**Total Semester Hours: 83**

## English

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Offered by the Department of English and Modern Languages

English Faculty:

Professors Harris, Pifer, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Students majoring in English study literature and practice various modes of writing to help them discover and articulate their ideas as completely and cogently as possible. Courses offered for the major emphasize research skills, critical thinking, and problem solving as essential parts of the composing and interpreting process. Students pursuing the English curriculum receive training in literary analysis and are offered a broad



background history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and learn to situate literary works in their historical and cultural contexts.

Students may pursue either a B.A. (Liberal Arts) or B.S.E. (Secondary English Education) program. The programs are designed to afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in law, public relations, editing, communications, civil service, industry, and library science. Students in the B.S.E. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

The English program also offers four minors: African-American Studies, Creative Writing, English Literature, and Women's Studies. Students in the English B.A. and B.S.E. programs must complete study of a foreign language through the 2202 level. In addition, they may wish to complete a minor as a way of adding a content emphasis to their undergraduate course of study.

In planning a course of study, English majors must consult with their English faculty advisor on a regular basis. ENG 1130: Introduction to Literary Studies should be completed during the freshman year. English B.A. and B.S.E. students will compile a portfolio of their written work to serve as evidence of their progress through the English curriculum. The portfolios will consist of the following essays: one from ENG 1130: Introduction to Literary Studies; two from different upper division ENG courses; a substantial revision of one of these three essays (to be completed as required in ENG 3333); the research paper from ENG 4401: Seminar in Literary Studies; and the writing lesson plan from ENG 3324: Composition Theory and Practice (BSE only). Students may also choose to include essays from their minor programs, such as Creative Writing or Women's Studies, in addition to the required essays. Students will submit their portfolio essays electronically to the department chair. The English Curriculum Committee will periodically review the portfolios to assess the effectiveness of the English degree program.

For more information on the English program, go to <http://www.mansfield.edu/~english>

### **Program Requirements: English Major, (B.A.): 120 s.h.**

#### **Core Requirements: 12 credits**

- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3352 - SHAKESPEARE
- ENG 4401 - SEMINAR IN LITERARY STUDIES

#### **Distribution Requirements: 27 credits**

**(at least 6 credits in pre-1800 literature)**

#### **Survey Requirement (choose one Brit. And one Am. Survey)**

- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- or
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- or
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

**British Period Requirement (choose one)**

- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - TWENTIETH CENTURY BRITISH LITERATURE

**American Period Requirement (choose one)**

- ENG 3362 - AMERICAN ROMANTICISM AND TRANCENDENTALISM
- ENG 3363 - AMERICAN REALISM AND NATURALISM
- ENG 3364 - TWENTIETH CENTURY AMERICAN LITERATURE

**World/Minority Literature Requirement (choose one)**

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- Any upper level (3000-4000) French, German, or Spanish literature course

**Major Genre/Major Author/Contemporary Theory Requirement (choose one)**

- ENG 3376 - MAJOR GENRE
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 3385 - MAJOR AUTHOR

**Electives:**

- Electives (choose three)
- ENG xxxx - Electives (ENG 2225, 2226, or any of the department's upper division courses)

**Total Semester Hours: 39****Foreign Language Requirement (up to 12 credits; must complete through 2202 level)**

- FR 1101 - INTRODUCTORY FRENCH I  
and
- FR 1102 - INTRODUCTORY FRENCH II
- FR 2201 - INTERMEDIATE FRENCH I  
and
- FR 2202 - INTERMEDIATE FRENCH II  
or
- GER 1101 - INTRODUCTORY GERMAN I  
and
- GER 1102 - INTRODUCTORY GERMAN II
- GER 2201 - INTERMEDIATE GERMAN I  
and
- GER 2202 - INTERMEDIATE GERMAN II  
or
- SPA 1101 - INTRODUCTORY SPANISH I  
and
- SPA 1102 - INTRODUCTORY SPANISH II
- SPA 2201 - INTERMEDIATE SPANISH I  
and
- SPA 2202 - INTERMEDIATE SPANISH II

## English Education

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Offered by the Department of English and Modern Languages

English Faculty:

Professors Harris, Pifer, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Students majoring in English study literature and practice various modes of writing to help them discover and articulate their ideas as completely and cogently as possible. Courses offered for the major emphasize research skills, critical thinking, and problem solving as essential parts of the composing and interpreting process. Students pursuing the English curriculum receive training in literary analysis and are offered a broad background history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and learn to situate literary works in their historical and cultural contexts.

Students may pursue either a B.A. (Liberal Arts) or B.S.E. (Secondary English Education) program. The programs are designed to afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in law, public relations, editing, communications, civil service, industry, and library science. Students in the B.S.E. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

The English program also offers four minors: African-American Studies, Creative Writing, English Literature, and Women's Studies. Students in the English B.A. and B.S.E. programs must complete study of a foreign language through the 2202 level. In addition, they may wish to complete a minor as a way of adding a content emphasis to their undergraduate course of study.

In planning a course of study, English majors must consult with their English faculty advisor on a regular basis. ENG 1130: Introduction to Literary Studies should be completed during the freshman year. English B.A. and B.S.E. students will compile a portfolio of their written work to serve as evidence of their progress through the English curriculum. The portfolios will consist of the following essays: one from ENG 1130: Introduction to Literary Studies; two from different upper division ENG courses; a substantial revision of one of these three essays (to be completed as required in ENG 3333); the research paper from ENG 4401: Seminar in Literary Studies; and the writing lesson plan from ENG 3324: Composition Theory and Practice (BSE only). Students may also choose to include essays from their minor programs, such as Creative Writing or Women's Studies, in addition to the required essays. Students will submit their portfolio essays electronically to the department chair. The English Curriculum Committee will periodically review the portfolios to assess the effectiveness of the English degree program.

For more information on the English program, go to <http://www.mansfield.edu/~english>

**Program Requirements: English Education Major, (B.S.E.):120 s.h.****Core Requirements: 21 s.h.**

- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 2225 - ENGLISH GRAMMAR
- ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE
- ENG 3324 - COMPOSITION THEORY & PRACTICE
- ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS
- ENG 3352 - SHAKESPEARE
- ENG 4401 - SEMINAR IN LITERARY STUDIES

**Distribution Requirements: 18 credits****(at least 6 credits in pre-1800 literature)****Survey Requirement (choose one Brit. And one Am. survey)**

- ENG 3268 - SURVEY OF BRITISH LITERATURE I
- or
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3278 - SURVEY OF AMERICAN LITERATURE I
- or
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

**British Period Requirement (choose one)**

- ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE
- ENG 3351 - ENGLISH RENAISSANCE LITERATURE
- ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE
- ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE
- ENG 3360 - TWENTIETH CENTURY BRITISH LITERATURE

**American Period Requirement (choose one)**

- ENG 3362 - AMERICAN ROMANTICISM AND TRANSCENDENTALISM
- ENG 3363 - AMERICAN REALISM AND NATURALISM
- ENG 3364 - TWENTIETH CENTURY AMERICAN LITERATURE

**World/Minority Literature Requirement (choose one)**

- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- ENG 3326 - WOMEN'S LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- Any upper level (3000-4000) French, German, or Spanish literature course

**Major Genre/Major Author/Contemporary Theory Requirement (choose one)**

- ENG 3376 - MAJOR GENRE
- ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM
- ENG 3385 - MAJOR AUTHOR

**Education Related Classes: 41 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR

- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)  
or
- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 80**

**Foreign Language Requirement (up to 12 credits; must complete through 2202 level)**

- FR 1101 - INTRODUCTORY FRENCH I  
and
- FR 1102 - INTRODUCTORY FRENCH II
- FR 2201 - INTERMEDIATE FRENCH I  
and
- FR 2202 - INTERMEDIATE FRENCH II  
or
- GER 1101 - INTRODUCTORY GERMAN I  
and
- GER 1102 - INTRODUCTORY GERMAN II
- GER 2201 - INTERMEDIATE GERMAN I  
and
- GER 2202 - INTERMEDIATE GERMAN II  
or
- SPA 1101 - INTRODUCTORY SPANISH I  
and
- SPA 1102 - INTRODUCTORY SPANISH II
- SPA 2201 - INTERMEDIATE SPANISH I  
and
- SPA 2202 - INTERMEDIATE SPANISH II

## French

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Sornberger, Ulrich (chairperson),  
Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington  
Assistant Professor Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman,  
Keeth and Oyallon

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The Department of English and Modern Languages offers B.A. and B.S.E degrees in French. The French program at Mansfield is small, but it provides very close contact with highly qualified faculty and a record of successful placement of students in study or work possibilities abroad.

A Mansfield major, dual major, or minor in French can increase a student's job prospects. A U. S. State Department study shows that over 50% of international jobs

require or prefer candidates to know French, because the language is spoken by 125 million people in forty countries and on every continent. France is the #1 tourist destination in the world, and French is an official language of neighboring Canada, America's primary trading partner. Over 1,200 French companies have subsidiaries in the United States, and France is the largest recipient of American foreign investment. Over twenty African countries use French for government and business, and French is an official language of many international organizations, including the Red Cross, the United Nations, the World Health Organization, UNESCO, and the International Olympic Committee.

Because French is the language of so many literary masterpieces (*Les Misérables*, *The Count of Monte Cristo*, *The Little Prince*) and philosophers (Descartes, Rousseau, Sartre) as well as of mathematicians and scientists, and because France is such a prolific producer of international films, a knowledge of French offers students advantages in applying to graduate schools in the humanities, the arts, the sciences, the social sciences, law, medicine, and other areas.

MU French majors take at least 36 semester hours in French, including courses in pronunciation, conversation, and the history, geography, literature, and culture of France and other French-speaking countries. Some students combine a major or minor in French with one in business, English, history, biology, or another field. Some students do honors work in French. And some combine the study of French with certification for teaching in Pennsylvania's public schools (explained in the Teacher Education Certification section of this catalog).

French majors and minors study in classrooms using the latest teaching technology. They practice their French skills in a comfortable thirty-seat Modern Language Learning Center outfitted with high-end PCs and T1 line internet connection. The Center webpage and its student staff guide them in using language-based software, the digitized audio materials of the Virtual Language Lab, and other media and web resources.

Mansfield French majors and minors usually spend a semester or a year studying or working in a French-speaking country. The university has a student exchange program with the Institute of Political Science in Toulouse, France. Through its membership in ISEP (the International Student Exchange Program) Mansfield can place students at universities in France or in French-speaking countries around the world. One MU student spent a semester at a university in Quebec City, Canada. And MU graduates continue to participate in the French government-sponsored teaching assistantship program. So far six of them have spent up to nine months teaching English at elementary schools and high schools in France.

### **Program Requirements: French (B.A.): 120 s.h.**

- ENG 2225 - ENGLISH GRAMMAR
- FR 2201 - INTERMEDIATE FRENCH I  
(May also satisfy General Education requirements)
- FR 2202 - INTERMEDIATE FRENCH II  
(May also satisfy General Education requirements)
- FR 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- FR 3300 - CONVERSATIONAL FRENCH CIVILIZATION  
(May also satisfy General Education requirements)
- or
- FR 3305 - ADVANCED FRENCH CONVERSATION
- FR 3306 - TOPICS IN FRENCH CIVILIZATION (HISTORY)

- FR 3311 - INTRODUCTION TO FRENCH LITERATURE
- FR 3320 - ADVANCED FRENCH STRUCTURE  
(May also satisfy General Education requirements)  
and

**and choose one from the following:**

- FR 3330 - SURVEY OF FRENCH LITERATURE I  
(May also satisfy General Education requirements)
- FR 3331 - SURVEY OF FRENCH LITERATURE II  
(May also satisfy General Education requirements)
- FR 3339 - FRENCH LITERATURE OF THE MIDDLE AGES AND RENAISSANCE  
(May also satisfy General Education requirements)
- FR 3340 - FRENCH CLASSICAL LITERATURE  
(May also satisfy General Education requirements)
- FR 3341 - FRENCH LITERATURE OF THE ENLIGHTENMENT  
(May also satisfy General Education requirements)
- FR 3342 - CURRENTS IN NINETEENTH-CENTURY FRENCH LITERATURE  
(May also satisfy General Education requirements)
- FR 3343 - ASPECTS OF TWENTIETH-CENTURY FRENCH LITERATURE  
(May also satisfy General Education requirements)
- FR 3350 - DEVELOPMENT OF FRENCH POETRY  
(May also satisfy General Education requirements)
- FR 4400 - SENIOR SEMINAR  
(May also satisfy General Education requirements)
- FR 4405 - HONORS COURSE FOR FRENCH MAJORS - CREDIT ARRANGED  
(May also satisfy General Education requirements)
- FR 4497 - INDEPENDENT STUDY  
(May also satisfy General Education requirements)

**and choose one from the following:**

- FR 3307 - TOPICS IN FRENCH CIVILIZATION (GEOGRAPHY)  
(May also satisfy General Education requirements)
- FR 3308 - TOPICS IN FRENCH CIVILIZATION (AFRO-FRENCH LITERATURE AND CIVILIZATION)  
(May also satisfy General Education requirements)
- FR 3309 - TOPICS IN FRENCH CIVILIZATION (CONTEMPORARY PROBLEMS)  
(May also satisfy General Education requirements)
- FR 3310 - BUSINESS FRENCH  
(May also satisfy General Education requirements)
- FR 4400 - SENIOR SEMINAR  
(May also satisfy General Education requirements)
- FR 4405 - HONORS COURSE FOR FRENCH MAJORS - CREDIT ARRANGED  
(May also satisfy General Education requirements)
- FR xxxx - French Electives Credits: 9

**Total Semester Hours: 36**

## French Education

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington

Assistant Professor Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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The Language and Literature department offers B.A. and B.S.E degrees in French. The French program at Mansfield is small, but it provides very close contact with highly qualified faculty and a record of successful placement of students in study or work possibilities abroad.

A Mansfield major, dual major, or minor in French can increase a student's job prospects. A U. S. State Department study shows that over 50% of international jobs require or prefer candidates to know French, because the language is spoken by 125 million people in forty countries and on every continent. France is the #1 tourist destination in the world, and French is an official language of neighboring Canada, America's primary trading partner. Over 1,200 French companies have subsidiaries in the United States, and France is the largest recipient of American foreign investment. Over twenty African countries use French for government and business, and French is an official language of many international organizations, including the Red Cross, the United Nations, the World Health Organization, UNESCO, and the International Olympic Committee.

Because French is the language of so many literary masterpieces (*Les Misérables*, *The Count of Monte Cristo*, *The Little Prince*) and philosophers (Descartes, Rousseau, Sartre) as well as of mathematicians and scientists, and because France is such a prolific producer of international films, a knowledge of French offers students advantages in applying to graduate schools in the humanities, the arts, the sciences, the social sciences, law, medicine, and other areas.

MU French majors take at least 36 semester hours in French, including courses in pronunciation, conversation, and the history, geography, literature, and culture of France and other French-speaking countries. Some students combine a major or minor in French with one in business, English, history, biology, or another field. Some students do honors work in French. And some combine the study of French with certification for teaching in Pennsylvania's public schools (explained in the Teacher Education Certification section of this catalog). All French teaching education candidates must take the ACTFL Oral Proficiency Interview and reach a minimum of Advanced Low before doing their student teaching.

French majors and minors study in classrooms using the latest teaching technology. They practice their French skills in a comfortable thirty-seat Modern Language Learning Center outfitted with high-end PCs and T1 line internet connection. The Center webpage and its student staff guide them in using language-based software, the digitized audio materials of the Virtual Language Lab, and other media and web resources.

Mansfield French majors and minors usually spend a semester or a year studying or working in a French-speaking country. The university has a student exchange program with the Institute of Political Science in Toulouse, France. Through its membership in ISEP (the International Student Exchange Program) Mansfield can place students at



universities in France or in French-speaking countries around the world. One MU student spent a semester at a university in Quebec City, Canada. And MU graduates continue to participate in the French government-sponsored teaching assistantship program. So far six of them have spent up to nine months teaching English at elementary schools and high schools in France.

**Program Requirements: French Education (B.S.E.): 120 s.h.**

- FR 2201 - INTERMEDIATE FRENCH I  
(May also satisfy General Education requirements)
- FR 2202 - INTERMEDIATE FRENCH II  
(May also satisfy General Education requirements)
- FR 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- FR 3300 - CONVERSATIONAL FRENCH CIVILIZATION  
(May also satisfy General Education requirements)  
or
- FR 3305 - ADVANCED FRENCH CONVERSATION  
(May also satisfy General Education requirements)
- FR 3320 - ADVANCED FRENCH STRUCTURE  
(May also satisfy General Education requirements)  
And
- FR 3306 - TOPICS IN FRENCH CIVILIZATION (HISTORY)  
(May also satisfy general education requirements)  
And
- FR 3311 - INTRODUCTION TO FRENCH LITERATURE  
(May also satisfy General Education requirements)

**And choose one from the following: 3 CR**

- FR 3330 - SURVEY OF FRENCH LITERATURE I  
(May also satisfy General Education requirements)
- FR 3331 - SURVEY OF FRENCH LITERATURE II  
(May also satisfy General Education requirements)
- FR 3339 - FRENCH LITERATURE OF THE MIDDLE AGES AND RENAISSANCE  
(May also satisfy General Education requirements)
- FR 3340 - FRENCH CLASSICAL LITERATURE  
(May also satisfy General Education requirements)
- FR 3341 - FRENCH LITERATURE OF THE ENLIGHTENMENT  
(May also satisfy General Education requirements)
- FR 3342 - CURRENTS IN NINETEENTH-CENTURY FRENCH LITERATURE  
(May also satisfy General Education requirements)
- FR 3343 - ASPECTS OF TWENTIETH-CENTURY FRENCH LITERATURE  
(May also satisfy General Education requirements)
- FR 3350 - DEVELOPMENT OF FRENCH POETRY  
(May also satisfy General Education requirements)
- FR 4400 - SENIOR SEMINAR  
(May also satisfy General Education requirements)
- FR 4405 - HONORS COURSE FOR FRENCH MAJORS - CREDIT ARRANGED  
(May also satisfy General Education requirements)
- FR 4497 - INDEPENDENT STUDY  
(May also satisfy General Education requirements)

**And choose one from the following: 3 CR**

- ENG 2225 - ENGLISH GRAMMAR
- FR 3307 - TOPICS IN FRENCH CIVILIZATION (GEOGRAPHY)  
(May also satisfy General Education requirements)
- FR 3308 - TOPICS IN FRENCH CIVILIZATION (AFRO-FRENCH LITERATURE AND CIVILIZATION)  
(May also satisfy General Education requirements)
- FR 3309 - TOPICS IN FRENCH CIVILIZATION (CONTEMPORARY PROBLEMS)  
(May also satisfy General Education requirements)
- FR 3310 - BUSINESS FRENCH  
(May also satisfy General Education requirements)
- FR 4400 - SENIOR SEMINAR  
(May also satisfy General Education requirements)
- FR 4405 - HONORS COURSE FOR FRENCH MAJORS - CREDIT ARRANGED  
(May also satisfy General Education requirements)
- FR 4497 - INDEPENDENT STUDY
- FR xxxx - French Electives Credits: 9

**Education Related Classes: 41 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)  
or
- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 80**

## Geography

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Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Associate Professors King, Thorne

Assistant Professor Demchak

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

Where things are located has always been of interest to geographers. But the more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

**Program Requirements: Geography (B.S.): 120 s.h.**

- GEG xxxx - Geography Electives (upper level) Credits: 18
- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1122 - ENVIRONMENTAL ISSUES  
(May also satisfy General Education requirements)
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION

**Total Semester Hours: 41**

## **Geography, Environmental Science Concentration**

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors King, Thorne  
 Assistant Professor Demchak

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Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

**Program Requirements: Geography, Environmental Science Concentration (B.S.): 120 s.h.**

- GEG xxxx Geography Electives (upper level) Credits: 3
- BI 3350 - ECOLOGY  
or
- BI 3351 - LIMNOLOGY
- CHM 1101 - INTRODUCTORY CHEMISTRY  
(May also satisfy General Education requirements)
- CHM 1102 - ORGANIC AND BIOCHEMISTRY  
(May also satisfy General Education requirements)
- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1122 - ENVIRONMENTAL ISSUES  
(May also satisfy General Education requirements)
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3300 - GEOGRAPHIC RESEARCH
- GEG 3312 - WEATHER AND CLIMATE
- GEG 3364 - GEOSTATISTICS
- GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE
- GEL 1102 - ENVIRONMENTAL GEOLOGY  
(May also satisfy General Education requirements)
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING  
(May also satisfy General Education requirements)

**Select four of the following courses:**

- BI 3331 - LOCAL FLORA
- BI 3350 - ECOLOGY  
or
- BI 3351 - LIMNOLOGY
- ENG 3332 - NATURE WRITING  
(May also satisfy General Education requirements)
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY

- GEG 4420 - REMOTE SENSING
- GEG 4496 - INTERNSHIP
- GEL 3330 - HYDROLOGY
- HPE 3340 - FIRST AID AND CPR (STANDARD AND ADVANCED)
- RPL 3342 - LAND-USE POLICY
- RPL 3380 - PLANNING SEMINAR

**Total Semester Hours: 61-62**

## **Geography, Mapping Technology Concentration**

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors King, Thorne  
 Assistant Professor Demchak

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

Where things are located has always been of interest to geographers. But the more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

### **Program Requirements: Geography, Mapping Technology Concentration (B.S.): 120 s.h.**

- GEG xxxx - Geography Electives Credits: 6
- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 3280 - CARTOGRAPHY

- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3300 - GEOGRAPHIC RESEARCH
- GEG 3364 - GEOSTATISTICS
- GEG 4420 - REMOTE SENSING
- GEG 4430 - MODERN CARTOGRAPHIC TECHNIQUES
- GEG 4431 - SEMINAR IN CARTOGRAPHIC PROGRAMMING

**Select two of the following courses:**

- ENG 2230 - WRITING FOR BUSINESS Credits: 3
- ENG 3330 - TECHNICAL WRITING Credits: 3
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 3365 - COMPUTER ART
- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 1104 - COMPUTER SCIENCE I
- GEG 3345 - WEB BASED CARTOGRAPHY
- GEG 4496 - INTERNSHIP
- RPL 3380 - PLANNING SEMINAR

**Total Semester Hours: 44**

## **Geography, Regional Planning Concentration**

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Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Associate Professors King, Thorne

Assistant Professor Demchak

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Where things are located has always been of interest to geographers. But the more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

**Program Requirements: Geography, Regional Planning Concentration  
(B.S.): 120 s.h.**

- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3300 - GEOGRAPHIC RESEARCH
- GEG 3364 - GEOSTATISTICS
- GEG 3365 - URBAN/ECONOMIC GEOGRAPHY
- GEG 4430 - MODERN CARTOGRAPHIC TECHNIQUES
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING
- RPL 3342 - LAND-USE POLICY
- RPL 3380 - PLANNING SEMINAR
- RPL 4496 - PLANNING INTERNSHIP

**Total Semester Hours: 46**

## **Geography, Watershed Management Concentration**

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors King, Thorne  
 Assistant Professor Demchak

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Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Regional Planning, Mapping Technology and Watershed Management. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

**Program Requirements: Geography, Watershed Management Concentration (B.S.): 120 SH**

- CHM 1101 INTRODUCTORY CHEMISTRY - 4 cr.  
Or
- CHM 1111 GENERAL CHEMISTRY I - 4 cr.
- CHM 1102 ORGANIC AND BIOCHEMISTRY - 4 cr.  
Or
- CHM 1112 GENERAL CHEMISTRY II - 4 cr.
- ENG 3371 - PROFESSIONAL WRITING  
May Also Satisfy General Education Requirement
- GEG 1102 - HUMAN GEOGRAPHY  
May Also Satisfy General Education Requirement
- GEL 1102 - ENVIRONMENTAL GEOLOGY  
May Also Satisfy General Education Requirement
- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING  
May Also Satisfy General Education Requirement

**Major Courses: 23 SH**

- GEG 1111 - PHYSICAL GEOGRAPHY
- GEG 1122 - ENVIRONMENTAL ISSUES
- GEG 3272 - GIS/GPS
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3300 - GEOGRAPHIC RESEARCH
- GEG 3364 - GEOSTATISTICS

**Professional Sequence: 20 SH**

- BI 3351 - LIMNOLOGY
- GEG 1600 - INTRODUCTION TO WATERSHED MANAGEMENT
- GEG 3060 - PRINCIPLES OF SOIL SCIENCE
- GEG 3500 - WATERSHED RESTORATION
- GEG 3510 - WETLANDS
- GEG 3520 - WATERSHED ETHICS/LAW
- GEG 3530 - WATERSHED MANAGEMENT POLICY
- GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE
- GEL 3310 - HYDROLOGY
- GEL 3310L - HYDROLOGY LAB

**Must take 9 SH of the following:**

- BI 3350 - ECOLOGY - 4 cr.
- GEG 3312 - WEATHER & CLIMATE- 3 cr.
- GEG/GEL 3321 - GEOMORPHOLOGY - 3 cr.
- GEG/GEL 4420 - REMOTE SENSING - 3 cr.
- GEG 4496 - INTERNSHIP - 6 cr.



## Geography/Mapping Technology A.S.

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors King, Thorne  
 Assistant Professor Demchak

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

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Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

Want to become a teacher? Our department also houses the content-area portion of the Earth and Space Science program. (See Earth and Space Science Education Degree Program in this catalog.)

### **Program Requirements: Geography/Mapping Technology (A.S.): 60 SH**

- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 1111 - PHYSICAL GEOGRAPHY  
(May also satisfy General Education requirements)
- GEG 3280 - CARTOGRAPHY
- GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION
- GEG 3364 - GEOSTATISTICS
- GEG 4430 - MODERN CARTOGRAPHIC TECHNIQUES
- GEG 4431 - SEMINAR IN CARTOGRAPHIC PROGRAMMING

**Total Semester Hours: 27**

## German

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington

Assistant Professor Guignard, Sanner

Modern Languages faculty: Associate Professors Blanco, Holtman, Keeth and Oyallon

Assistant Professor Arango-Keeth

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The Department of English and Modern Languages offers both B.A. and B.S.E degrees in German. The German program at Mansfield provides very personal contact with highly qualified faculty and a record of successful placement of students in study or work possibilities abroad. There is no lack of excellent reasons to study German: travel, greatly increased job opportunities, graduate study, family background, literature, arts, science, and general intellectual development all come to mind. German is a vital language worldwide, widely spoken on all continents. In Japan, for instance, 68% of all students study German. More than 1,100 companies of German-speaking countries have subsidiaries in the U.S., including Daimler-Chrysler, Volkswagen and Siemens—and Osrarn-Sylvania in Wellsboro, PA. In Eastern Europe, German is the lingua franca ahead of English. German is the second most common language of the Internet and the third or fourth most popular foreign language world-wide.

Interested in business opportunities? A knowledge of German will greatly improve your chances in the job market. Germany has the third-highest economy and book publishing rate in the world. Germany is fifth-largest trading partner of the U.S. and our largest in Europe, with more than 750 U.S. companies doing business in Germany (such as GM, Ford, and Dow Chemical). Speaking the language and knowing the culture of your business partner is sure to get you more sales, so knowledge of German will take you far in dealings with one of the world's very top economies. In addition, it will open up the rapidly developing markets of Eastern Europe. In a 1994 survey by the German-American Chamber of Commerce, 65% of all respondents said that they were looking specifically for German/English bilingual skills when hiring new employees.

Many of the greatest philosophers, scientists, composers, authors and artists of the modern era thought and wrote in German: Einstein, Freud, Bach, Nietzsche, Kant, Beethoven, Marx, Kafka, Goethe, and many more. Students of music, law, philosophy, religion, psychology, history, political science, engineering, and most of the other sciences find German to be especially valuable for their studies. It is therefore not surprising that German is by far the language most often required or recommended in academic programs.

Is German hard to learn? Any language demands lots of time and hard work, but you have an advantage with German. It is closely related to English and other Germanic languages. Learning German will give you important insights into the history and structure of your own language, and it will give you a big head start in learning other languages. And learning foreign tongues has been proven repeatedly to be a huge factor in promoting higher cognitive skill levels in all areas. Your brain will benefit from German studies!

Twenty-five percent of all Americans claim German ancestry. This heritage is felt strongly in Pennsylvania, with place names like Germantown, Hanover, and New Berlin, festivals like Oktoberfest and Christkindlesmarkt, German culinary and holiday traditions (Fastnacht donuts, anyone?), and the well-known Mennonite and Pennsylvania Dutch areas.

MU German majors take at least 36 semester hours in German, including courses in phonetics and pronunciation, conversation, and the history, geography, literature, and culture of Germany and other German-speaking countries. Some students combine a major or minor in German with one in business, English, history, biology, or another field. And some combine German studies with a teaching certification for public schools (explained in the Teacher Education Certification section of this catalog).

Mansfield German majors and minors generally spend at least one semester studying in German-speaking country. MU has its own successful exchange program with the Friedrich-Schiller-Universität in Jena, Germany, which has enabled opportunities for students at Mansfield to interact with peers from Germany and has offered several MU students the invaluable experience of studying abroad. In addition, through its membership in ISEP (the International Student Exchange Program) Mansfield can place students at universities in Germany or other German-speaking countries.

While studying German at Mansfield University, students find themselves learning in classrooms superiorly equipped with modern teaching technology—technology that enhances their learning graphically, acoustically, and interactively. And, throughout their program of study, students have access to the Modern Language Center. On a daily basis, students are able to practice their communication skills in a comfortable 30 seat language center that is outfitted with high-end PCs and a T1 line internet connection. Indeed, the center's webpage and student staff are conveniently available to guide students in their learning process, whether this means help increasing informational literacy or becoming more proficient with language-based software, the digitized audio materials of the Virtual Language Lab, and/or other media/web resources.

**Program Requirements: German (B.A.): 120 s.h.**

- GER xxxx - Elective in German Literature Credits: 3
- GER 2201 - INTERMEDIATE GERMAN I  
(May also satisfy General Education requirements)
- GER 2202 - INTERMEDIATE GERMAN II  
(May also satisfy General Education requirements)
- GER 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- GER 3300 - CONVERSATIONAL GERMAN  
(May also satisfy General Education requirements)  
or
- GER 3305 - ADVANCED GERMAN CONVERSATION
- GER 3320 - ADVANCED GERMAN STRUCTURE  
(May also satisfy General Education requirements)  
or
- GER 3321 - COMPOSITION AND STYLISTICS  
(May also satisfy General Education requirements)
- GER 3330 - INTRODUCTION TO GERMAN LITERATURE  
(May also satisfy General Education requirements)

**Choose two of the following:**

- GER 3335 - DEUTSCHE LANDESKUNDE  
(May also satisfy General Education requirements)
- GER 3336 - PROSEMINAR: LAENDER UND STAEDTE  
(May also satisfy General Education requirements)
- GER 3360 - SEMINAR: GERMAN CULTURAL HISTORY  
(May also satisfy General Education requirements)

**Or other approved culture course:**

- GER xxxx - German Electives Credits: 9

**Total Semester Hours: 36**

## German Education

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Rashidi, Sullivan-Blum, Washington

Assistant Professor Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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The Department of English and Modern Languages offers both B.A. and B.S.E degrees in German. The German program at Mansfield provides very personal contact with highly qualified faculty and a record of successful placement of students in study or work possibilities abroad. German Education majors have gone on to successful careers in public schools. There is no lack of excellent reasons to study German: travel, greatly increased job opportunities, graduate study, family background, literature, arts, science, and general intellectual development all come to mind. German is a vital language worldwide, widely spoken on all continents. In Japan, for instance, 68% of all students study German. More than 1,100 companies of German-speaking countries have subsidiaries in the U.S., including Daimler-Chrysler, Volkswagen and Siemens—and Osram-Sylvania in Wellsboro, PA. In Eastern Europe, German is the lingua franca ahead of English. German is the second most common language of the Internet and the third or fourth most popular foreign language world-wide.

German Education majors can use many motivators for their students to pursue German Studies. For instance, a knowledge of German will greatly improve your chances in the job market. Germany has the third-highest economy and book publishing rate in the world. Germany is fifth-largest trading partner of the U.S. and our largest in Europe, with more than 750 U.S. companies doing business in Germany (such as GM, Ford, and Dow Chemical). Speaking the language and knowing the culture of your business partner is sure to get you more sales, so knowledge of German will take you far in dealings with one of the world's very top economies. In addition, it will open up the rapidly developing markets of Eastern Europe. In a 1994 survey by the German-American Chamber of Commerce, 65% of all respondents said that they were looking specifically for German/English bilingual skills when hiring new employees.

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MU German majors take at least 36 semester hours in German, including courses in phonetics and pronunciation, conversation, and the history, geography, literature, and culture of Germany and other German-speaking countries. Some students combine a major or minor in German with one in business, English, history, biology, or another field. And some combine German studies with a teaching certification for public schools (explained in the Teacher Education Certification section of this catalog).

Mansfield German Education majors should count on spending at least one semester studying in German-speaking country. This is usually necessary to ensure the required oral and cultural proficiency levels for teaching certification. MU has its own successful exchange program with the Friedrich-Schiller-Universität in Jena, Germany, which has enabled opportunities for students at Mansfield to interact with peers from Germany and has offered several MU students the invaluable experience of studying abroad. In addition, through its membership in ISEP (the International Student Exchange Program) Mansfield can place students at universities in Germany or other German-speaking countries.

While studying German at Mansfield University, students find themselves learning in classrooms superiorly equipped with modern teaching technology —technology that enhances their learning graphically, acoustically, and interactively. And, throughout their program of study, students have access to the Modern Language Center. On a daily basis, students are able to practice their communication skills in a comfortable 30 seat language center that is outfitted with high-end PCs and a T1 line internet connection. Indeed, the center's webpage and student staff are conveniently available to guide students in their learning process, whether this means help increasing informational literacy or becoming more proficient with language-based software, the digitized audio materials of the Virtual Language Lab, and/or other media/web resources.

All German teaching education candidates must take the ACTFL Oral Proficiency Interview and reach a minimum of Advanced Low before doing their student teaching.

**Program Requirements: German Education (B.S.E.): 120 s.h.**

- GER 2201 - INTERMEDIATE GERMAN I  
(May also satisfy General Education requirements)
- GER 2202 - INTERMEDIATE GERMAN II  
(May also satisfy General Education requirements)
- GER 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- GER 3300 - CONVERSATIONAL GERMAN  
(May also satisfy General Education requirements)
- Or
- GER 3305 - ADVANCED GERMAN CONVERSATION  
(May also satisfy General Education requirements)
- GER 3320 - ADVANCED GERMAN STRUCTURE  
(May also satisfy General Education requirements)
- Or
- GER 3321 - COMPOSITION AND STYLISTICS  
(May also satisfy General Education requirements)

- GER 3330 - INTRODUCTION TO GERMAN LITERATURE  
(May also satisfy General Education requirements)
- And GER xxxx Elective course in German Literature Credits: 3

**Choose two of the following:**

- GER 3335 - DEUTSCHE LANDESKUNDE  
(May also satisfy General Education requirements)
- GER 3336 - PROSEMINAR: LAENDER UND STAEDTE  
(May also satisfy General Education requirements)
- GER 3360 - SEMINAR: GERMAN CULTURAL HISTORY  
(May also satisfy General Education requirements)  
Or other approved culture courses

**Electives:**

- GER xxxx - German Electives Credits: 9 (Three upper-level courses)
- ENG 2225 - ENGLISH GRAMMAR

**Education Related Courses: 41 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)  
or
- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 80**

## Graphic Design

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Offered by the Department of Communication and Theatre

Professor Young

Associate Professors Carrish-Bulkley, Hoy, Longoria, Wright, L. (chairperson)

Assistant Professors Bernum, Crum, Pieper

Instructors Lohrey, Mason, McIntyre

Offered by the Department of Art

Professor Kutbay

Assistant Professors Hamad, and Whitehouse, Assistant Chairperson

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The Graphic Design Program is designed to prepare students for careers in fields that employ graphic designers including print and television advertising, web design, and other media where graphic elements are used.

**Program Requirements: Graphic Design (B.S.): 120 s.h.****Core - 27 credits**

- ARH 1101 - INTRODUCTION TO ART  
(May also satisfy General Education requirements)
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 3342 - ADVERTISING, DESIGN AND LETTERING
- ART 3365 - COMPUTER ART
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 4440 - COMMUNICATION LAW
- ECO 1102 - PRINCIPLES OF MICROECONOMICS  
(May also satisfy General Education requirements)
- GRA 1101 - INTRODUCTION TO GRAPHIC DESIGN
- GRA 1102 - HST OF GRAPHIC DESIGN
- JN 2210 - MEDIA DESIGN
- MKT 3330 - MARKETING

**Emphasis**

Select either the Motion Graphics or Print Graphics Emphasis - 15 credits

**Motion Graphics Emphasis**

- ART 4465 - ADVANCED COMPUTER ART
- COM 3301 - TELEVISION PRODUCTION I
- COM 4406 - DIGITAL VIDEO EDITING
- GRA 2201 - COMPUTER GRAPHICS I
- GRA 3301 - COMPUTER GRAPHICS II

**Print Graphics Emphasis**

- ART 2248 - DRAWING
- ART 3330 - DIGITAL PHOTOGRAPHY
- ART 3331 - PRINTMAKING
- ART 4431 - ADV PRINTMAKING
- ART 4442 - ADVANCED ADVERTISING, DESIGN, AND LETTERING

**Related Electives**

Take 21 credits from the following, and from other ART, COM, GRA, and other course prefixes by advising:

- BUS 3332 - PROMOTION IN MARKETING
- CIS 3303 - WEB SITE DESIGN
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION

**Total Semester Hours: 69**

## History

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Offered by the Department of History and Political Science

Professor Guenther (chairperson)

Associate Professors Bosworth, Chua, Gaskievicz,

Assistant Professors Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It

includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

**Program Requirements: History, (B.A.): 120 s.h.**

**Choose two from the following in the World Civilization sequence:**

- HST xxxx - Global History Electives Credits: 6
- HST xxxx - United States History Electives Credits: 6
- HST xxxx - European History Electives Credits: 6
- HST 1111 - WORLD CIVILIZATION TO 1350  
(May also satisfy General Education requirements)
- HST 1112 - WORLD CIVILIZATION 1350-1900  
(May also satisfy General Education requirements)
- HST 1113 - WORLD HISTORY SINCE 1900  
(May also satisfy General Education requirements)
- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)
- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- HST 3290 - HISTORICAL METHODS
- HST 4401 - HISTORY OF PENNSYLVANIA  
(May also satisfy General Education requirements)
- Or
- HST 4496 - SEMINARS ON SELECTED TOPICS

**Total Semester Hours: 36**

## Social Studies: History

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Offered by the Department of History and Political Science  
 Professor Guenther (chairperson)  
 Associate Professors Bosworth, Chua, Gaskiewicz,  
 Assistant Professors Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.



For certification in Social Studies Education. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

**Program Requirements: Social Studies: History, (B.S.E.): 120 s.h.**

- HST xxxx - Global History Electives Credits: 6
- HST xxxx - United States History Electives Credits: 3
- HST xxxx - European History Electives Credits: 6
- MA xxxx - Math Electives Credits: 3
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Choose two of the following in the World Civilization sequence**

- ECO 1101 - PRINCIPLES OF MACROECONOMICS  
(May also satisfy General Education requirements)
- ECO 1102 - PRINCIPLES OF MICROECONOMICS  
(May also satisfy General Education requirements)
- ED 3316 - TEACHING SECONDARY SOCIAL STUDIES
- GEG 1101 - WORLD REGIONAL GEOGRAPHY  
(May also satisfy General Education requirements)
- Or
- GEG 1102 - HUMAN GEOGRAPHY  
(May also satisfy General Education requirements)
- HST 1111 - WORLD CIVILIZATION TO 1350  
(May also satisfy General Education requirements)
- HST 1112 - WORLD CIVILIZATION 1350-1900  
(May also satisfy General Education requirements)
- HST 1113 - WORLD HISTORY SINCE 1900  
(May also satisfy General Education requirements)
- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)
- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- HST 3290 - HISTORICAL METHODS
- HST 3316 - TEACHING SECONDARY SOCIAL STUDIES
- HST 4401 - HISTORY OF PENNSYLVANIA  
(May also satisfy General Education requirements)
- Or
- HST 4496 - SEMINARS ON SELECTED TOPICS
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)

**Total Semester Hours: 89**

## Honors Program

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The Honors Program at Mansfield University is a 24-credit multi disciplinary academic program featuring innovative course work, challenging subjects and opportunities for cultural enrichment. This program is designed for students with a consistent record of academic achievement and a desire for new and exciting learning experiences which allows students to apply their knowledge across academic disciplines. It is the goal of the Honors Program to provide students with the skills and opportunities to achieve their full potential during their academic career at Mansfield University. Honors students are expected to make continual progress each semester in completing their Honors Program to remain in Good standing. Mansfield University is a member of the National Collegiate Honors Council (NCHC) and the Northeast Region National Collegiate Honors Council (NE-NCHC).

The Honors Program offers a dynamic learning environment that includes unique courses, collaborative and individual research projects and field-based educational experiences. Honors Program students are required to complete FIVE specially designed core courses, TWO honors electives, and ONE Senior Honors Research Project Presentation. The electives, representing a cross-section of the liberal arts and sciences, change each semester.

Enrollment in the Honors Program is three methodologies. First, students who demonstrate superior high school achievement as reflected on SAT scores, GPA and class rank. These students are invited to accept admission into the Honors Program during Freshman Orientation by the Department of Admissions; Secondly, freshman who exhibit strong academic potential during their first semester are invited to join on the basis of Mansfield University faculty recommendation. Finally, students who have completed their freshmen year and have demonstrated strong academic achievement can forward a formal written request to the Honors Program Director to be considered for admission.

Honors students must maintain a 3.0 in their Honors courses QPA (Quality Point Average) and overall QPA as well as make continual progress in fulfilling Honors requirements. There are two required events for ALL Honors students during EACH academic year. These are the Informational Meetings the first week of both fall and spring semesters. "First Semester" Honors Program students are required to attend an additional Informational Meeting during the first two weeks of the semester. Missing any of these required events, without a reason acceptable to the Honors Program Director, will cause a student to be dismissed from the Honors Program.

A student whose grades fall below 3.0 in either their Honors QPA or overall QPA is placed on Honors Probation. The student is given ONE semester to improve their Quality Point Average. Should the QPA (overall or honors) **not** be raised to a minimum of 3.0 by the following semester, the student may be given a second opportunity IF there are extenuating circumstances. any student not meeting the minimum QPA (either Honors or overall) at that time is dismissed from the Program. A student who falls below 3.00 in their Honors QPA and does not take an Honors course to raise that QPA would still be below the required standard and still be dismissed. Dismissal from the Honors Program has no impact upon student enrollment at the University. Honors Probation prohibits students from receiving Priority Scheduling or qualifying for any Honors Program awards.

After you are admitted you will be assigned to an Honors Advisor who will assist you with your progress in the Program. The Honor Advisor helps with the student's General Education program so that it is both relevant to the student's interests and meets graduation requirements. If you should decide to leave the Program you would not lose any of your earned Honors credits. Those credits would still appear on your transcript and count as fulfilling your General Education requirements.

There are a large number of benefits associated with membership. The Honors Program is compatible with Mansfield University departmental majors. Almost all Honors courses count in fulfilling the General Education Block Requirements. The Honors Program Director and Honors Advisors assist students in working with scheduling situations. Due to the special requirements in some majors, three specialized Honors sequence tracks are offered in (1) Nursing, (2) Music and (3) Education. Honor Program students register for classes at the beginning of each registration period. Upon the successful completion of your fourth Honors course, you will be awarded your Honors Sweater. Upon the successful completion of your sixth Honors course, you will be awarded your Honors Pin. Upon completion of the Program, you will be awarded your Honors Medallion.

Furthermore, Honor students are eligible for tuition-reimbursement awards and study grants including (5) annual MU Foundation Awards (\$500 each), Highest QPA by Class (\$100, \$50, \$25) Book Awards and (2) full scholarships to attend the five-week Summer Honors Program of the State System of Higher Education which earns each participant six University Honors credits. Past programs have included Russia, Austria, Scotland, South Africa, Ecuador, England, Costa Rica, France and a European Tour. Graduating Honors students are formally recognized at the University Academic Awards Ceremony in spring when Honor Medallions are presented. The Honors Study room is available for Honors Program students only and is located in North Hall Library. Honors students are officially recognized during commencement exercises. Upon graduation from the University, each Honors Program student completing their MU Degree Program with a minimum 3.00 total QPA will have featured on his/her transcript: "this student has successfully completed the University Honors Program **with Honors**". Each student with a minimum 3.50 total QPA in their Honors courses and a minimum 3.25 total QPA will have noted: "This student has completed the University Honors Program **with Distinction**." Honors students participate in university field trips, attend cultural events, network with other Honors students as well as attend other get-togethers planned by members of Honors Council.

The Honors Program is administered by the Honors Program Director and Honors Council. The Director is appointed by the Provost (Vice-president for Academic Affairs). The Honors Council consists of multiple faculty members from various academic disciplines who act as Honors Program Advisors to Honors Program students. The Honors Program Director is assisted by the Honors Program Secretary. For any additional information regarding the Honors Program, contact the Honors Program Director: Dr. Benjamin Moritz at (570) 662-4727 or bmoritz@mansfield.edu.

### **Standard Honors Program Course Requirements:**

(All Honors courses satisfy General Education requirements)

- HON xxxx - Honors Electives (changes every semester) Credits: 6
- HON 1107 - MACRO PHYSICAL SCIENCE
- or
- HON 1108 - MICROPHYSICAL SCIENCE
- HON 1111 - HUMANITIES HONORS I
- HON 1112 - HUMANITIES HONORS II
- HON 2200 - RESEARCHING CONTEMPORARY ISSUES
- HON 3301 - FIELD WORK IN THE NATURAL AND SOCIAL SCIENCES
- HON 4497 - SENIOR RESEARCH PRESENTATION

### **Total Semester Hours for Honors Program: 24**

For additional information about the Honors Program contact: Honors Program Director Dr. Sharon Carrish South Hall 314.

## Human Resource Management Concentration Psychology

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Offered by the Department of Psychology

Professors Craig, Keller, P. Launius, Loher, Murray (chairperson), Seidel

Associate Professor Brown

Assistant Professor Verno

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The Psychology Department offers a B.S. degree in Psychology with a concentration in Human Resource Management (HRM). The concentration is designed to provide the knowledge, skills and experiences needed to fulfill traditional and emerging roles in HRM. Students who have interests in both psychology and management often select this option. Recent graduates from the program have gone on to entry-level HRM positions in manufacturing, health care, government, and other settings. Graduates have also pursued advanced study in HRM, industrial/organizational psychology, labor relations, and business. The program combines extensive coursework in psychology with relevant classes from other departments, including Business and Communication.

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's senior seminar course.

Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Historically, HRM students have interned in a broad range of organizations, consistent with their career goals. Many students report the internship to be an important part of their educational experience. For some, the internship leads directly to employment. To qualify for an internship, students must maintain a B average in the major. Advisors work closely with students to plan the internship and ensure that the experience is successful.

All students in the major must obtain grades of C or higher in PSY 1101 and PSY 1151 to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard will be advised in the selection of a new major.

To meet requirements for graduation as a Psychology-Human Resource Management major, students must (1) satisfy the University's general education and degree requirements, (2) complete the Psychology course requirements, (3) submit an acceptable portfolio, and (4) complete an internship, a research apprenticeship, or an independent research project.

### **Program Requirements: Human Resource Management Concentration Psychology, (B.S.): 120 s.h.**

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
May also satisfy General Education Requirements
- PSY 1151 - ORIENTATION TO PSYCHOLOGY  
(waived for students entering the program with 45 or more semester hours completed)
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 2206 - RESEARCH METHODS I
- PSY 3306 - RESEARCH METHODS II

- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 3353 - CAREER PLANNING
- PSY 4415 - LABOR RELATIONS
- PSY 4416 - COMPENSATION & BENEFITS
- PSY 4490 - SENIOR SEMINAR
- PSY 4495 - INTERNSHIP
- Or
- PSY 4496 - RESEARCH APPRENTICESHIP
- Or
- PSY 4497 - INDEPENDENT STUDY

**Must Take 6 s.h. from:**

- LDR 3325 - INTRODUCTION TO LEADERSHIP STUDIES
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS

**May also satisfy general education requirements**

- PSY 4430 - THEORIES OF PERSONALITY
- PSY 4441 - PSYCHOLOGY AND LAW

**Must Take 12 s.h. from:**

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 3310 - MANAGING DIVERSITY
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- And
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR
- Or
- SOC 3301 - ORGANIZATIONAL BEHAVIOR

**Total Semester Hours: 55**

## **Leadership for Children and Adults with Disabilities**

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Minetola, Moore

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The Department also offers a B.S. program in Leadership for Children and Adults with Disabilities designed for those interested in working with individuals with disabilities, not requiring teacher certification. Career opportunities include management and advocacy in areas of human service providers. This degree would also allow the individual to pursue a graduate degree in related services for child and adults with disabilities.

**Program Requirements: (B.S.) 120 s.h.**

- SPE 2201 - Mentally and Physically Disabled Credits: 3
- SPE 3302 - Assessment Credits: 3
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May satisfy General Education requirements)
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS
- SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT
- SPE 3290 - LEARNING DISABILITIES
- SPE 3351 - BEHAVIOR MANAGEMENT
- SPE 4440 - METHODS FOR INDIVIDUALS WITH MODERATE/SEVERE DISABILITIES
- SPE 4450 - INTERNSHIP

**Cognate – Management – 15 s.h. choose from the following:**

- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3315 - HUMAN RESOURCE MANAGEMENT I
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- SOC 3301 - ORGANIZATIONAL BEHAVIOR

**Major Related Electives – 12 s.h. choose from the following:**

- Any SPE Course
- ELE 2220 - CHILD DEVELOPMENT
- HPE 3340 - FIRST AID AND CPR (STANDARD AND ADVANCED)
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3324 - ADULT DEVELOPMENT AND AGING
- SWK 2251 - INTRODUCTION TO SOCIAL WORK

**Liberal Studies**


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Offered by Academic and Human Development

Professor: Baylor-Ayewoh

Associate Professors: Krieger, Chabala

Assistant Professors: Jenkins, Labuski-Brown

Instructors: Rotella (chairperson)

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**Program Requirements: Liberal Studies (B.A.): 120 s.h.**

The Liberal Studies major allows students to combine course offerings from across the university to construct for themselves a program in a specialty in which the university does not grant a degree. Thus Business, Communication, Art, and Journalism could be combined to construct a concentration in Advertising, or Anthropology, History and Art History for Museum Studies. The program fosters creativity among students in putting together these combinations.

Students in Liberal Studies fulfill the university's General Education program and either take an academic minor or achieve second year proficiency in a foreign language. There are no specific course requirements for Liberal Studies. The structural heart of the program is the 24 hour rule. This rule holds that for a Liberal Studies student no more than 24 semester hours in any individual prefix area can be counted towards the

number of hours needed for graduation (120). (Note that BUS, MUS, ART, ED, and ELE are each separate course prefix areas.) The 24 hour rule ensures that Liberal Studies will be used as a combined major, and it is strictly enforced.

Liberal Studies students may design an official academic concentration for themselves. This involves the student's submitting a sequence of courses to be taken to a faculty committee chosen by the Liberal Studies Advisor. The course sequence is approved by the faculty committee and the Office of the Provost and completed by the student.

The AHD Department houses the Liberal Studies program. Interested students should contact the chairperson, Professor William Chabala (570-662-4436), for information.

## Liberal Studies A.A.

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Offered by Academic and Human Development

Professor: Baylor-Ayewoh

Associate Professors: Krieger, Chabala

Assistant Professors: Jenkins, Labuski-Brown

Instructors: Rotella (chairperson)

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The Associate of Arts in Liberal Studies (AA) offers students an opportunity to obtain a two-year degree that provides the core elements of a liberal education in preparation for a broad variety of career paths and additional educational experiences. The degree is designed to facilitate ease of transfer to a bachelor's level program on campus.

### Program Requirements: 60 SH; 2.0 QPA

- All students will complete 3 designated Writing Across the Curriculum (W) courses in addition to the ENG 1112, 1 designated Information Literacy (I), and 1 designated Global Awareness (G) course.
- 6 credits must be taken at the upper division.

### General Education Requirements (12 credits)

#### A. 0090 Requirements\*

- ENG 0090 Basic Writing Skills
- MA 0090 Basic Algebra

\* These courses may be waived for students with appropriate preparation.

This will be determined based on placement testing and evaluation of prior coursework.

#### B. General Education Requirements (7 credits)

- UNV 1100 First Year Seminar (1 credit)
- COM 1101 Oral Communication (3 credits)
- ENG 1112 Composition I (3 credits)

#### C. Fine Arts Requirement (choose 1) (3 credits)

- ARH 1101 Introduction to Art (3 credits)
- MU 1101 Introduction to Music (3 credits)
- THT 1110 Introduction to Theatre (3 credits)

#### D. Wellness (2 credits)

### Distribution Requirements: Groups I-V\* (36 credits)

Group I Humanities (6 credits)

Group II English and Modern languages (6 credits)

Group III Mathematics (3 credits)

Group IV Natural Sciences (6 credits; 1 course w/lab)

Group V Social Sciences (9 credits)

**General Education Electives (6 credits by advisement)**

\* These requirements mirror the general education program at the Bachelor's level.

Major Requirements (12 credits)

**Academic Exploration Electives (12 credits by advisement)**

## Mass Communication, Broadcasting Concentration

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Offered by the Department of Communication and Theatre

Professor Young

Associate Professors Longoria, Wright, L. (chairperson)

Assistant Professors Bernum, Crum, Pieper

Instructors Lohrey, Mason, McIntyre

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The Broadcasting emphasis prepares students for careers in electronic media writing, production and management, sales, on-air talent, audio recording, cable outlets, law, and advertising. Our program offers a vigorous major elective and free elective curriculum that is adapted to the student's career interest. Students gain experience working in the university's television and audio studios. Qualified students are encouraged to participate in the department's successful internship program.

After the first semester all majors will have a prepared portfolio reviewed by the student's advisor prior to registration for the subsequent semester. Details on portfolio contents can be found in the student department handbook.

### **Program Requirements: Mass Communication, Broadcasting Concentration (B.S.): 120 s.h.**

- XXX xxxx - Related Electives Credits: 21
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2203 - VOICE AND ARTICULATION
- COM 2220 - AMERICAN BROADCASTING HISTORY
- COM 2230 - WRITING FOR BROADCASTING MEDIA
- COM 3301 - TELEVISION PRODUCTION I
- COM 3304 - TELEVISION PRODUCTION II
- COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT
- Or
- COM 3311 - ELECTRONIC MEDIA PROGRAMMING
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM

**Total Semester Hours: 54**



## Mass Communication, Journalism Concentration

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Offered by the Department of Communication and Theatre  
 Professor Young  
 Associate Professors Longoria, Wright, L. (chairperson)  
 Assistant Professors Bernum, Crum, Pieper  
 Instructors Lohrey, Mason, McIntyre

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The global information age has accelerated demand for persons equipped with journalism skills. Our program enhances students' abilities to gather, write and manage news and information. The program mixes professional training and surveys the role of the media in society. Related electives allow students to combine journalism skills with career interests such as technical writing, environmental journalism, graphics, sports writing and more. Some potential careers are print journalists, electronic journalists, news editors, information specialists, copywriters, and creative writers. Qualified students are encouraged to participate in the Department's successful internship program.

After the first semester all majors will have a prepared portfolio reviewed by the student's advisor prior to registration for the subsequent semester. Details on portfolio contents can be found in the student department handbook.

### **Program Requirements: Mass Communication, Journalism Concentration (B.S.): 120 s.h.**

- XXX xxxx - Related Electives Credits: 24
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM
- JN 2200 - CRISIS NEWS ANALYSIS
- JN 2210 - MEDIA DESIGN
- JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING
- JN 3320 - MAGAZINE WRITING AND PRODUCTION
- JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM

**Total Semester Hours: 54**

## Mass Communication, Public Relations Concentration

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Offered by the Department of Communication and Theatre  
 Professor Young  
 Associate Professors Longoria, Wright, L. (chairperson)  
 Assistant Professors Bernum, Crum, Pieper  
 Instructors Lohrey, Mason, McIntyre

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The Public Relations concentration is excellent preparation for positions in many different public relations areas: an account executive at an advertising agency, a brand manager for a consumer product, a public relations director for a hospital, an information specialist

for a non-profit organization, a sports information director, an owner of an advertising and public relations firm - with over 300 different career choices. Qualified students are encouraged to participate in the Department's successful internship program.

After the first semester all majors will have a prepared portfolio reviewed by the student's advisor prior to registration for the subsequent semester. Details on portfolio contents can be found in the student department handbook.

**Program Requirements: Mass Communication, Public Relations Concentration (B.S.): 120 s.h.**

- XXX xxxx - Related Electives Credits: 24
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2203 - VOICE AND ARTICULATION
- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION
- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4420 - PUBLIC RELATIONS WORKSHOP
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- JN 1100 - JOURNALISM

**Total Semester Hours: 57**

## Mathematics

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Offered by the Department of Mathematics and Computer Information Science  
 Professors H. Iseri (chairperson), Lienhard  
 Associate Professors D'Ortona, Haner, Junius, Savoye  
 Assistant Professors Dietz, L. Iseri, McKee, Phillips, Sim

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The Department of Mathematics and Computer Information Science offers two mathematics baccalaureate degree programs: B.S. in Mathematics (with a choice of two concentrations: Pure and Applied), and B.S.E. Mathematics (secondary education). The B.S. program in mathematics is designed to prepare students for a wide range of careers in mathematics outside of education, or for graduate school in mathematics. The B.S.E. in Mathematics program prepares students to become certified teachers of mathematics at the secondary school level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) There is also a minor in mathematics and a minor in statistics.

**Program Requirements: Mathematics Major (B.S.): 120 s.h.**

**Core:**

The following courses may also satisfy General Education requirements.

- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 2233 - CALCULUS III
- MA 3260 - DISCRETE STRUCTURES
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

**Total Semester Hours for the Mathematics Core: 21**

**Concentrations:****Additional Requirements for the Pure Mathematics Concentration:**

- MA3000/4000 Mathematics Electives 12 credits  
Satisfies general education requirement
- MA 3345 - REAL ANALYSIS I  
(May also satisfy General Education requirements)
- MA 3361 - MODERN ALGEBRA - GROUPS  
(May also satisfy General Education requirements)
- Or
- MA 3362 - MODERN ALGEBRA - RINGS  
(May also satisfy General Education requirements)

**Total Semester Hours for Pure mathematics Concentration: 21****Additional requirements for the Applied Mathematics Concentration:**

Between 1 and 6 semester hours at the 3000-4000 level from exactly one of the prefixes PHY, CHM, BI, CIS, or ECO may be used for Mathematics or related electives. The remaining semester hours (between 6 and 12) must be from the prefix MA at the 3000-4000 level.

**Upper level major related Electives by advisement - 12 credits**

The following courses may also satisfy General Education requirements.

- MA 3308 - OPERATIONS RESEARCH
- MA 3311 - DIFFERENTIAL EQUATIONS I
- MA 3312 - DIFFERENTIAL EQUATIONS II
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II

**Total semester hours for Applied Mathematics Concentration: 29**

## Mathematics Education

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Offered by the Department of Mathematics and Computer Information Science  
Professors H. Iseri (chairperson), Lienhard  
Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye  
Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two mathematics baccalaureate degree programs: B.S. in Mathematics (with a choice of two concentrations: Pure and Applied), and B.S.E. Mathematics (secondary education). The B.S. program in mathematics is designed to prepare students for a wide range of careers in mathematics outside of education, or for graduate school in mathematics. The B.S.E. in Mathematics program prepares students to become certified teachers of mathematics at the secondary school level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) There is also a minor in mathematics and a minor in statistics.

**Program Requirements: Mathematics Education (B.S.E.): 121 s.h.**

- MA 3000/4000 Electives Credits: 12  
(May also satisfy General Education requirements)
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY

- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3314 - TEACHING SECONDARY MATHEMATICS
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)
- MA 2233 - CALCULUS III  
(May also satisfy General Education requirements)
- MA 3260 - DISCRETE STRUCTURES  
(May also satisfy General Education requirements)
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY  
(May also satisfy General Education requirements)
- MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS  
(May Also Satisfy General Education Requirements)
- Or
- MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS  
(May Also Satisfy General Education Requirements)
- MA 3314 - APPLIED PROBABILITY AND STATISTICS  
(May also satisfy General Education requirements)
- MA 3329 - UNIFORM GEOMETRIES  
(May also satisfy General Education requirements)
- Or
- MA 3330 - NON-UNIFORM GEOMETRIES  
(May Also Satisfy General Education Requirements)
- MA 3361 - MODERN ALGEBRA - GROUPS  
(May also satisfy General Education requirements)
- Or
- MA 3362 - MODERN ALGEBRA - RINGS  
(May Also Satisfy General Education Requirements)
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)
- Or
- PHY 2210 - GENERAL PHYSICS I  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 3290 - LIFE SPAN DEVELOPMENT  
(May also satisfy General Education requirements)
- or
- PSY 3321 - ADOLESCENT PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 94**

# Medical Technology

Offered by the Department of Biology

The medical technology program includes three years of academic study on campus and one year (50 weeks) of clinical study at an approved hospital school of medical technology. This program is designed to prepare students for a professional career in clinical laboratory sciences and biotechnology. Medical technologists perform complex laboratory analysis that plays a crucial role in the diagnosis and treatment of disease. Courses at Mansfield range from general education, chemistry, biology, and physics to mathematics. Clinical courses include urinalysis, hematology, clinical chemistry, blood banking, immunology, parasitology, medical bacteriology, and mycology. The student must apply to a hospital school and be accepted by the hospital for the year of clinical study. Mansfield University has an affiliation with Robert Packer Hospital School of Medical Technology in Sayre, Pennsylvania. Brian Spezialetti, M.S.Ed, MT (ASCP), program director and Joseph King, M.D., medical advisor, administer the medical technology program at Robert Packer Hospital. Program graduates meet the requirements for certification by the American Society of Clinical Pathologists. Graduates of this program have professional employment opportunities in the following fields: hospital and private laboratories, pharmaceutical laboratories, research laboratories, biotechnology laboratories, veterinary clinics and forensic laboratories. Career growth is possible within the field and numerous graduate and professional school opportunities exist for students interested in furthering their education. If you choose not to do a clinical year or you are not accepted to a hospital school, you may complete a fourth year at Mansfield University and receive a B.S. in Biology.

## **Program Requirements: Medical Technology (B.S.): 120 s.h.**

- XXX 3000/4000 - Clinical Education/Off Campus Credits: 32
- BI 1100 - ORIENTATION TO BIOLOGY
- BI 1110 - ZOOLOGY  
(May also satisfy General Education requirements)
- BI 3310 - PHYSIOLOGY
- BI 3370 - CELL BIOLOGY
- BI 3371 - MICROBIOLOGY
- BI 3374 - IMMUNOLOGY
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- PHY 1191 - PHYSICS I  
(May also satisfy General Education requirements)

### **Choose one of the following:**

- BI 3317 - PARASITOLOGY
- BI 3372 - GENETICS
- BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES
- CHM 3311 - QUANTITATIVE ANALYSIS

**Total Semester Hours: 79-80**

## Music

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Professors Boston, Brennan, Dettwiler, Galloway, Kim, Murphy, Sarch  
 Associate Professors Crowder, Dodson-Webster, Gregorich (chairperson), Monkliien,  
 Schmid, Teal

Assistant Professors Eidenier, Laib, McEuen, Moritz, Moulton, Rinnert, Wetzel

Instructors Alexander, Filiano, Rommon, Slotkin

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The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty. The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and they must participate in music ensembles. All music students are required to pass the first piano proficiency. Each individual degree program has additional proficiency requirements to better prepare the student for his chosen field of endeavor. During the fourth semester of study, all students will complete a sophomore review.

The sophomore review will consist of performance on primary instrument, piano, singing and sight-reading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses.

### **ACADEMIC REQUIREMENTS FOR PROGRESSION IN THE MUSIC PROGRAM** **All Undergraduate Music Degrees**

Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the undergraduate music programs at Mansfield University. Non-music major or minors may enroll in music classes when seats are available, but priority seating in all MU and MAP courses is given to music majors and minors.

- A. A grade of "C" or better must be achieved in all Music (MU) and MAP 33XX and 44XX level Music Applied prefix courses.
- B. Students must abide by all requirements outlined in the syllabi of all music related courses.
- C. Required courses for the Bachelor of Music degrees or the Bachelor of Arts in Music are not included in the University Pass/Fail Option.
- D. Requirements for the Bachelor of Music degrees or the Bachelor of Arts in Music must be completed within seven years.
- E. Applied study is based on a specific number of semesters of study and not merely a total number of credits earned. Students transferring from a degree program where credit for applied study is higher than another degree program are not exempt

from the total number of semesters for applied study. Likewise, a student transferring to a degree with increased credits required, may receive a waiver of some credits if the applied instructor can certify that the student is performing at an appropriate level.

F. **Bachelor of Music and Bachelor of Arts in Music Academic Requirements:**

1. A. 3.0 cumulative GPA or better is required to enroll all music education related courses.
2. A minimum QPA of 2.5 is required for all other music degrees.
3. Students must have a "C" or better to move on to sequential courses such as Basic Music 1-IV and Music History courses.

G. **Program Academic Dismissal:**

1. All students in music degrees must pass the departmental Sophomore Review. Failure of the review will result in dismissal from the program unless remediation is evidenced in the final sophomore music jury (Spring).
2. Students who receive 2 failing grades (F's) in core music courses during the same academic semester will be dismissed from the program. Students failing (F) any repetition of a course taken previously in the music core will be dismissed from the music program. Students who receive two failing grades (F) in any sequential courses in the music core will be dismissed from the program. All dismissals may be petitioned (See Appeals below.)
3. If a student has not met music program standards by the end of the Spring term of their sophomore year or has been dismissed under F.2 above will be dropped from all MU, MAP and MTH prefix courses in which he/she has registered. If and when the student has met the music program requirements, he/she must contact the music program Academic Progression and Retention committee to see if a seat is available. Re-admission is not guaranteed, though the student can progress **if a seat is available; a seat will not be saved for a student who has dropped below music program standards.**

H. **Registration Restriction:**

1. All students who are in good academic standing and have made continuous progression in the music programs will take precedence over those students who have not met music program standards or who have not continuously progressed in the music program.

I. **Appeals:**

Students who have not met academic standards for the music program due to unusual circumstances may appeal to the Department Academic Progression Committee for individual consideration. Any decisions made by the Committee are based solely on individual circumstances and are not precedent setting. Written appeals should be directed to the Chairperson of the Music Department who will forward the petition to the department Academic Progression and Retention Committee.

**Appeals process:**

- a. Student is notified by the department chair that they are being academically dismissed from the music program.
- b. Students who feel they have mitigating or unusual circumstances may appeal their dismissal by filing a written request of consideration with the music department chair.
- c. The department chair will forward the appeal request to the Department Academic Progression Committee. The Department Academic Progression Committee (DAPC) will contact the student and set up an appeal hearing.

- d. The student should present all evidence of mitigating circumstances to the DAPC for consideration and will be notified in writing of the final decision. Decisions of the DAPC may not be appealed further in the department..

**Program Requirements: Music (B.A): 120 s.h.**

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750  
(May also satisfy General Education requirements)
- MU 3221 - CLASSIC AND ROMANTIC MUSIC  
(May also satisfy General Education requirements)
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC  
(May also satisfy General Education requirements)
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV

**Applied Music – 24 credits (Major 14, Secondary 2, Ensemble 8)**

**Total Semester Hours: 45**

## Music - Industry

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Professors Boston, Brennan, Dettwiler, Galloway, Kim, Murphy, Sarch  
Associate Professors Crowder, Dodson-Webster, Gregorich (chairperson), Monkliien, Schmid, Teal

Assistant Professors Eidenier, Laib, McEuen, Moritz, Moulton, Rinnert, Wetzel  
Instructors Alexander, Filiano, Rommon, Slotkin

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The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and they must participate in music ensembles. All music students are required to pass a piano proficiency. Each individual degree program has additional proficiency requirements to better prepare the student for his chosen field of endeavor. During the fourth semester of study, all students will complete a sophomore review.

The review will consist of performance on primary instrument, piano, singing and sight-reading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses.



The Music Industry program prepares young musicians for careers in the music industry in a wide range of fields, including arts management and promotion, music products merchandising, publishing, music technology, and studio recording/production. Students may choose from two tracks: Music Business (specializing in business administration, management, or marketing) or Music Production Technology. Both tracks culminate in a 14-week music industry internship in the field of the student's choice. Students must successfully complete a live audition in an applied music area (instrumental or voice) for admission into this program.

## **ACADEMIC REQUIREMENTS FOR PROGRESSION IN THE MUSIC PROGRAM**

### **All Undergraduate Music Degrees**

Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the undergraduate music programs at Mansfield University. Non-music major or minors may enroll in music classes when seats are available, but priority seating in all MU and MAP courses is given to music majors and minors.

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- B. Students must abide by all requirements outlined in the syllabi of all music related courses.
- C. Required courses for the Bachelor of Music degrees or the Bachelor of Arts in Music are not included in the University Pass/Fail Option.
- D. Requirements for the Bachelor of Music degrees or the Bachelor of Arts in Music must be completed within seven years.
- E. Applied study is based on a specific number of semesters of study and not merely a total number of credits earned. Students transferring from a degree program where credit for applied study is higher than another degree program are not exempt from the total number of semesters for applied study. Likewise, a student transferring to a degree with increased credits required, may receive a waiver of some credits if the applied instructor can certify that the student is performing at an appropriate level.
- F. **Bachelor of Music and Bachelor of Arts in Music Academic Requirements:**
  1. A 3.0 cumulative GPA or better is required to enroll all music education related courses.
  2. A minimum OPA of 2.5 is required for all other music degrees.
  3. Students must have a "C" or better to move on to sequential courses such as Basic Music I-IV and Music History courses.
- G. **Program Academic Dismissal:**
  1. All students in music degrees must pass the departmental Sophomore Review. Failure of the review will result in dismissal from the program unless remediation is evidenced in the final sophomore music jury (Spring).
  2. Students who receive 2 failing grades (F's) in core music courses during the same academic semester will be dismissed from the program. Students failing (F) any repetition of a course taken previously in the music core will be dismissed from the music program. Students who receive two failing grades (F)

in any sequential courses in the music core will be dismissed from the program. All dismissals may be petitioned (See Appeals below.)

3. If a student has not met music program standards by the end of the Spring term of their sophomore year or has been dismissed under F.2 above will be dropped from all MU, MAP and MTH prefix courses in which he/she has registered. If and when the student has met the music program requirements, he/she must contact the music program Academic Progression and Retention committee to see if a seat is available. Re-admission is not guaranteed, though the student can progress **if a seat is available; a seat will not be saved for a student who has dropped below music program standards.**

H. **Registration Restriction:**

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I. **Appeals:**

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- c. The department chair will forward the appeal request to the Department Academic Progression Committee. The Department Academic Progression Committee (DAPC) will contact the student and set up an appeal hearing.
- e. The student should present all evidence of mitigating circumstances to the DAPC for consideration and will be notified in writing of the final decision. Decisions of the DAPC may not be appealed further in the department..

**Program Requirements: Bachelor of Music in Music Industry  
(B.M.): 120 s.h.**

- General Education Credits: 40

**Music Core**

- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 3221 - CLASSIC AND ROMANTIC MUSIC
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV
- MU 3313 - ELECTRONIC MUSIC I
- MU 3314 - COMPUTER-BASED MUSIC NOTATION
- MU 3318 - KEYBOARD SKILLS
- MU 4481 - SURVEY OF THE BUSINESS OF MUSIC
- MU 4489 - INTERNSHIP: MUSIC INDUSTRY

- Applied Music Credits 22: Ensembles (MEN33xx) 7 credits; Major Instrument (MAP33xx) 12 credits; Secondary Instruments (MAP xxxx) 3 credits

**Music Technology Track 18 s.h.**

- CIS 1104 - COMPUTER SCIENCE I
- CIS 3330 - COMPUTER ORGANIZATION
- COM 2201 - INTRODUCTION TO MASS MEDIA
- COM 2270 - AUDIO PRODUCTION
- MU 4413 - STUDIO PRODUCTION TECHNIQUES
- MU 4414 - RECORDING ARTS

**Music Business Track: Business Administration 18 s.h.**

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

**Music Business Track: Management 18 s.h.**

- Elective course by advisement Credits: 3
- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

**Music Business Track: Marketing 18 s.h.**

- MKT 3330 - MARKETING
- MKT 3370 - SALESMANSHIP

For the Music Business Marketing Track, select 12 credit hours from the following:

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MKT 3334 - MARKETING RESEARCH
- MKT 4421 - MARKETING CHANNELS
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-to-BUSINESS MARKETING
- MKT 4426 - E-MARKETING
- TRT 3300 - THE TRAVEL CONSUMER

## Music Education

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Professors Boston, Brennan, Dettwiler, Galloway, Kim, Murphy, Sarch  
Associate Professors Crowder, Dodson-Webster, Gregorich (chairperson), Monkelien, Schmid, Teal

Assistant Professors Eidenier, Laib, McEuen, Moritz, Moulton, Rinnert, Wetzel  
Instructors Alexander, Filiano, Rommon, Slotkin

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The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and they must participate in music ensembles. All music students are required to pass a piano proficiency. Each individual degree program has additional proficiency requirements to better prepare the student for his chosen field of endeavor. During the fourth semester of study, all students will complete a sophomore review.

The review will consist of performance on primary instrument, piano, singing and sight-reading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses.

The Bachelor of Music Education program is designed to meet the certification requirements set by the Commonwealth of Pennsylvania. Completion of the music education degree prepares students to teach both vocal and instrumental music at the kindergarten through high school levels. Further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements may be found in the Teacher Education Certification Section. The music education program is accredited by NASM, the Pennsylvania Department of Education, The National Council of Accreditation of Teacher Education, and the Middle States Association of Colleges and Secondary Schools. Students must successfully complete a live audition for admission to this program.

## **ACADEMIC REQUIREMENTS FOR PROGRESSION IN THE MUSIC PROGRAM**

### **All Undergraduate Music Degrees**

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- F. **Bachelor of Music and Bachelor of Arts in Music Academic Requirements:**
1. A. 3.0 cumulative GPA or better is required to enroll all music education related courses.
  2. A minimum GPA of 2.5 is required for all other music degrees.
  3. Students must have a "C" or better to move on to sequential courses such as Basic Music 1-IV and Music History courses.

G. **Program Academic Dismissal:**

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- c. The department chair will forward the appeal request to the Department Academic Progression Committee. The Department Academic Progression Committee (DAPC) will contact the student and set up an appeal hearing.
- e. The student should present all evidence of mitigating circumstances to the DAPC for consideration and will be notified in writing of the final decision. Decisions of the DAPC may not be appealed further in the department..

**Program Requirements: Music Education (B.M.): 124 s.h.**

- MU xxxx Applied Music Credits: 31
- (Voice Students require MU 352) (Major 12, Secondary 12, Ensemble 7)
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- MU 1141 - INTRODUCTION TO MUSIC EDUCATION
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750  
(May also satisfy General Education requirements)
- MU 2241 - MUSIC IN THE ELEMENTARY SCHOOL
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC  
(May also satisfy General Education requirements)
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC  
(May also satisfy General Education requirements)
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV
- MU 3315 - ORCHESTRATION
- MU 3318 - KEYBOARD SKILLS
- MU 3342 - MUSIC IN THE SECONDARY SCHOOL
- MU 3343 - INSTRUMENTAL MUSIC IN PUBLIC SCHOOLS  
or
- MU 3344 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS
- MU 3350 - CHORAL CONDUCTING  
or
- MU 3351 - INSTRUMENTAL CONDUCTING
- MU 4400 - STUDENT TEACHING
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 90**

## Music Performance

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Professors Boston, Brennan, Dettwiler, Galloway, Kim, Murphy, Sarch  
 Associate Professors Crowder, Dodson-Webster, Gregorich (chairperson), Monkelien,  
 Schmid, Teal  
 Assistant Professors Eidenier, Laib, McEuen, Moritz, Moulton, Rinnert, Wetzel  
 Instructors Alexander, Filiano, Rommon, Slotkin

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The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty.

The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and

aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

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The review will consist of performance on primary instrument, piano, singing and sight-reading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses.

The B.M. in Music Performance is available in piano, organ, guitar, voice, percussion, and any standard string, brass, and woodwind instrument. Students must successfully complete a live audition for admission to this program. Completion of a performance degree will prepare students for further study in music at the master's level. Mansfield University is proud to offer this degree to exceptional musicians whose career goals are to perform professionally.

## **ACADEMIC REQUIREMENTS FOR PROGRESSION IN THE MUSIC PROGRAM**

### **All Undergraduate Music Degrees**

Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the undergraduate music programs at Mansfield University. Non-music major or minors may enroll in music classes when seats are available, but priority seating in all MU and MAP courses is given to music majors and minors.

- A. A grade of "C" or better must be achieved in all Music (MU) and MAP 33XX and 44XX level Music Applied prefix courses.
- B. Students must abide by all requirements outlined in the syllabi of all music related courses.
- C. Required courses for the Bachelor of Music degrees or the Bachelor of Arts in Music are not included in the University Pass/Fail Option.
- D. Requirements for the Bachelor of Music degrees or the Bachelor of Arts in Music must be completed within seven years.
- E. Applied study is based on a specific number of semesters of study and not merely a total number of credits earned. Students transferring from a degree program where credit for applied study is higher than another degree program are not exempt from the total number of semesters for applied study. Likewise, a student transferring to a degree with increased credits required, may receive a waiver of some credits if the applied instructor can certify that the student is performing at an appropriate level.
- F. **Bachelor of Music and Bachelor of Arts in Music Academic Requirements:**
  1. A 3.0 cumulative GPA or better is required to enroll all music education related courses.
  2. A minimum OPA of 2.5 is required for all other music degrees.
  3. Students must have a "C" or better to move on to sequential courses such as Basic Music 1-IV and Music History courses.

G. **Program Academic Dismissal:**

1. All students in music degrees must pass the departmental Sophomore Review. Failure of the review will result in dismissal from the program unless remediation is evidenced in the final sophomore music jury (Spring).
2. Students who receive 2 failing grades (F's) in core music courses during the same academic semester will be dismissed from the program. Students failing (F) any repetition of a course taken previously in the music core will be dismissed from the music program. Students who receive two failing grades (F) in any sequential courses in the music core will be dismissed from the program. All dismissals may be petitioned (See Appeals below.)
3. If a student has not met music program standards by the end of the Spring term of their sophomore year or has been dismissed under F.2 above will be dropped from all MU, MAP and MTH prefix courses in which he/she has registered. If and when the student has met the music program requirements, he/she must contact the music program Academic Progression and Retention committee to see if a seat is available. Re-admission is not guaranteed, though the student can progress **if a seat is available; a seat will not be saved for a student who has dropped below music program standards.**

H. **Registration Restriction:**

All students who are in good academic standing and have made continuous progression in the music programs will take precedence over those students who have not met music program standards or who have not continuously progressed in the music program.

I. **Appeals:**

Students who have not met academic standards for the music program due to unusual circumstances may appeal to the Department Academic Progression Committee for individual consideration. Any decisions made by the Committee are based solely on individual circumstances and are not precedent setting. Written appeals should be directed to the Chairperson of the Music Department who will forward the petition to the department Academic Progression and Retention Committee.

**Appeals process:**

- a. Student is notified by the department chair that they are being academically dismissed from the music program.
- b. Students who feel they have mitigating or unusual circumstances may appeal their dismissal by filing a written request of consideration with the music department chair.
- c. The department chair will forward the appeal request to the Department Academic Progression Committee. The Department Academic Progression Committee (DAPC) will contact the student and set up an appeal hearing.
- e. The student should present all evidence of mitigating circumstances to the DAPC for consideration and will be notified in writing of the final decision. Decisions of the DAPC may not be appealed further in the department..

**Program Requirements: Music Performance, (B.M.):120 s.h.**

- MU xxxx Music Electives Credits: 5  
(Voice concentration requires MU352 and MU 353)
- MU xxxx Applied Music Credits: 46  
(Major 30, Secondary 4, Ensemble 12)
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II



- MU 2220 - WESTERN MUSIC UNTIL 1750  
(May also satisfy General Education requirements)
- MU 2250 - BASIC CONDUCTING
- MU 3221 - CLASSIC AND ROMANTIC MUSIC  
(May also satisfy General Education requirements)
- MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC  
(May also satisfy General Education requirements)
- MU 3311 - BASIC MUSIC III
- MU 3312 - BASIC MUSIC IV
- MU 3314 - COMPUTER-BASED MUSIC NOTATION
- MU 3350 - CHORAL CONDUCTING
- or
- MU 3351 - INSTRUMENTAL CONDUCTING

**Select from the Following:**

- MU 3323 - STUDIES IN KEYBOARD LITERATURE
- MU 4420 - SONG LITERATURE
- MU 4429 - ADVANCED STUDIES MUSIC LITERATURE

**Select from the Following:**

- MU 4471 - VOCAL PEDAGOGY
- MU 4472 - PIANO PEDAGOGY
- MU 4473 - PRACTICUM IN PIANO TEACHING
- MU 4474 - STRING PEDAGOGY
- MU 4475 - WOODWIND PEDAGOGY
- MU 4476 - BRASS PEDAGOGY
- MU 4477 - PERCUSSION PEDAGOGY

**Total Semester Hours: 81**

## Nursing

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Offered by the Department of Health Sciences

Professors Biblehimer, Seigart, Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner, McGuire (assistant chairperson)

Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaparzynski

Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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Mansfield University's Department of Health Sciences offers a nursing program, accredited by The National League for Nursing Accrediting Commission, 61 Broadway, NYC, NY 10006 (800-669-9656), which blends the resources of a public university and a regional medical center. This combination leads to a program that is both academically and clinically strong. The curriculum provides a solid background in nursing as well as the liberal arts and sciences.

Students spend their first two years on the Mansfield campus taking courses in general education and nursing. The second two years are at the Sayre site where they engage in a wide range of clinical experiences at the Robert Packer Hospital. Students also have the opportunity to learn in community settings such as nursing homes, elementary and secondary schools, nursery schools, and outpatient clinics, in addition to traditional public health agencies.

The goals of the program are to provide students with the essential skills necessary to develop intellectual curiosity, critical thinking, communication skills, therapeutic nursing skills which provide the basis for the development of a successful and

professional nursing practitioner. This educational program prepares individuals for career opportunities in acute, chronic and community settings, as well as for continued education at the graduate level.

**Policies and Procedures specific to the nursing major:**

The Mansfield University nursing program endeavors to comply with the Americans With Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in nursing. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

**Admissions:** Criteria for admission shall be the same as that for general admission to the University with these exceptions: Applicants must submit satisfactory reports of medical examination with specific immunizations prior to the opening of the school term, and have completed the following subjects in high school:

English, four (4) credits

History or Social Studies, three (3) credits

Lab sciences, two (2) credits (Biology and Chemistry required) (LPNs and RNs with integrated curricula may meet this requirement.)

Math, two (2) credits, one of which must be algebra

**Minimum Academic Requirements:** Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the nursing program at the University.

- A. Required courses for the B.S. degree in Nursing (BSN) are not included in the University Pass/Fail policy.
- B. Students must be enrolled as a nursing major to enroll in NUR prefix courses.
- C. A grade of C or better must be achieved in all nursing (NUR) courses.
- D. An unsatisfactory grade in the clinical component of a nursing course will result in an F grade for the course.
- E. Requirements for the Bachelor of Science degree in Nursing must be completed within seven years.
- F. Program Progression:
  1. A 2.7 cumulative GPA or better is required to enroll in sophomore, junior, and senior level nursing courses (NUR 2200-4499)
  2. If a first year student has not met nursing program standards by the end of the Spring term, he/she will be dropped from NUR prefix courses in which he/she has registered. All other students not meeting nursing standards will be dropped from nursing courses at the end of the semester during which he/she did not meet standards. When the student has met the nursing program requirements, he/she must contact the nursing program Academic Progression and Retention committee to see if a seat is available. The student can progress if a seat is available; seats will not be saved for a student who has dropped below nursing program standards. If more than 40 students meet the standards for progression to the junior level, students who have consistently met program standards will be given priority. Decisions are made on grade point averages.

3. A grade of C (C) or better in CHM 1110, BSC 1121, BSC 1122, BSC 3271 (or equivalent courses) is required to progress in the nursing program.
  4. Only the top 40 students progress to the junior level on the Sayre campus.
- G. Program Academic Dismissal:
1. Students who fail to achieve a C grade or better after taking a nursing (NUR) course for the second time will be automatically dismissed from the nursing program.
  2. Only one nursing (NUR) course may be repeated for the entire nursing program. If a student receives a C minus (C-) or below in a second nursing course, the student will be dismissed from the program.
  3. Students must meet all clinical agency health requirements. These may include background checks, urine drug testing, and a respirator fit test. CPR certification, specific immunizations, malpractice insurance and health insurance are required. Students will be expected to cover the cost of these items. Students' academic and health information will be shared if requested in writing by clinical agency.
- H. Program Health/Background Requirements
1. Students must meet all clinical agency health and background check requirements. These may include specific background checks, urine drug testing, and a respirator fit test. CPR certification, specific immunizations, malpractice insurance and health insurance are required. Students will be expected to cover the cost of these items. If a student does not comply with any of these requirements, he/she will receive a failing grade in the clinical component of the course.
  2. Any new or existing health (or other) condition that may put the student, staff, faculty or patient in jeopardy must be reported to the nursing program faculty. Written documentation from a physician stating the student is safe to return to class and/or clinical must be submitted to the nursing program. If the nursing program faculty becomes aware that this policy has not been followed, program dismissal may result.
- I. Nursing Program Attendance Policy:
- It is imperative that students attend clinical experiences so that they can meet course objectives. Make-up time is scheduled for each clinical course. If a student is absent from clinical experiences, there is no guarantee that he/she can meet course objectives. If excessive time is missed, he/she may be in danger of not being able to meet course objectives and may be asked to withdraw from the class.

**Licensure Eligibility in Pennsylvania:** Applicants to nursing education programs in Pennsylvania should be aware of certain restrictions on obtaining a nursing license. Pennsylvania Public Law No. 317, No. 69, known as the Professional Nursing Law, places the following limitation on licensure eligibility.

The Pennsylvania State Board of Nursing may refuse, suspend or revoke any license in any case where the Board shall find that the applicant

1. Has been convicted or has pleaded guilty or entered a plea of nolo contendere or has been found guilty by a judge or jury of a felony or a crime of moral turpitude, or has received probation without verdict, disposition in lieu of trial or an Accelerated Rehabilitative Disposition in the disposition of felony charges, in courts of this Commonwealth, the United States, or any other state, territory or county;

2. Has committed fraud or deceit in securing his or her admission to the practice of nursing or to nursing school;
3. Is unable to practice professional nursing with reasonable skill and safety to patients by reason of mental or physical illness or condition or physiological or psychological dependence upon alcohol, hallucinogenic or narcotic drugs or other drugs which tend to impair judgment or coordination, so long as such dependence shall continue

For a complete list of reasons why the Board may refuse a professional nursing license to an applicant, please see section 14 of the Professional Nursing Law, 63 P.S. § 224.

One hour of class equals one semester hour of credit. Three hours of clinical equals one semester hour of credit.

**Program Requirements: Nursing (B.S.N.): 120 s.h.**

- NUR xxxx - Nursing Elective Credits: 3
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
(May also satisfy General Education requirements)
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
(May also satisfy General Education requirements)
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL  
(May also satisfy General Education requirements)
- DIT 2211 - INTRODUCTION TO NUTRITION
- MA 1125 - INTRODUCTORY STATISTICS  
(May also satisfy General Education requirements)
- NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING
- NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 3370 - NURSING CARE OF THE ADULT CLIENT
- NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES
- NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I
- NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING
- NUR 4471 - COMMUNITY HEALTH NURSING
- NUR 4472 - MENTAL HEALTH NURSING
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING
- NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS
- PHL 3380 - HEALTH CARE ETHICS  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)

**One of the following:**

- BI 3371 - MICROBIOLOGY  
or
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES  
(May also satisfy General Education requirements)

**Total Semester Hours: 93**

## Nursing R.N. to B.S.N.

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Offered by the Department of Health Sciences

Professors Biblehimer, Seigart, Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner, McGuire (assistant chairperson)

Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaparzynski

Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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Mansfield University's Department of Health Sciences offers a nursing program, accredited by The National League for Nursing Accrediting Commission, 61 Broadway, NYC, NY 10006 (800-669-9656), which blends the resources of a public university and a regional medical center. This combination leads to a program that is both academically and clinically strong. The curriculum provides a solid background in nursing as well as the liberal arts and sciences.

The RN to BSN program builds on the nursing skills achieved in diploma or associate degree programs. The focus for RN students is on leadership and critical thinking skills. RN students must complete community health with a clinical component to complete the degree. This experience individualized for students based on their personal goals.

The goals of the program are to enhance intellectual curiosity, critical thinking, communication skills, therapeutic nursing skills which provide the basis for the co-development of a successful and professional nursing practitioner. The BSN degree provides the foundation for graduate study in nursing.

### **Policies and Procedures specific to the nursing major:**

The Mansfield University nursing program endeavors to comply with the Americans With Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in nursing. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

**Admissions:** Criteria for admission shall be the same as that for general admission to the University for transfer students with these exceptions: Applicants must possess RN licensure (or be eligible to sit for the NCLEX-RN licensing examination); have an overall grade point average of 2.7 from an NLNAC accredited school of nursing; have a "C" or better in all nursing courses; and, have a "C" or better in anatomy and physiology, chemistry and microbiology.

**Minimum Academic Requirements:** Students are subject to all university academic requirements. The following academic requirements apply only to continuance in the nursing program at the University.

- A. Required courses for the B.S. degree in Nursing (BSN) are not included in the University Pass/Fail policy.
- B. A grade of C or better must be achieved in all nursing (NUR) courses.
- C. An unsatisfactory grade in the clinical component of a nursing course will result in an F grade for the course.
- D. Program Progression:
  1. A 2.7 cumulative GPA or better is required to enroll nursing courses (NUR 2200-4499)

2. If a student has not met nursing program standards by the end of the Spring term, he/she will be dropped from NUR prefix courses in which he/she has registered. When the student has met the nursing program requirements, he/she must contact the nursing program Academic Progression and Retention committee to see if a seat is available. The student can progress if a seat is available; seats will not be saved for a student who has dropped below nursing program standards.
  3. A grade of C (C) or better in CHM 1110, BSC 1121, BSC 1122, BSC 3271 (or equivalent courses) is required to progress in the nursing program.
- E. Program Academic Dismissal:
1. Students who fail to achieve a C grade or better after taking a nursing (NUR) course for the second time will be automatically dismissed from the nursing program.
  2. Only one nursing (NUR) course may be repeated for the entire nursing program. If a student receives a C minus (C-) or below in a second nursing course, the student will be dismissed from the program.
  3. Students must be enrolled as a nursing major to take nursing courses.
  4. Students must meet all clinical agency health requirements. These may include background checks, urine drug testing, and a respirator fit test. CPR certification, specific immunizations, malpractice insurance and health insurance are required. Students will be expected to cover the cost of these items. Students' academic and health information will be shared if requested in writing.
- F. Nursing Program Attendance Policy:

It is imperative that students attend clinical experiences so that they can meet course objectives. Make-up time is scheduled for each clinical course. If a student is absent from clinical experiences, there is no guarantee that he/she can meet course objectives. If excessive time is missed, he/she may be in danger of not being able to meet course objectives and may be asked to withdraw from the class.

One hour of class equals one semester hour of credit. Three hours of clinical equals one semester hour of credit.

Registered nurses who enroll to complete a baccalaureate degree in Nursing are granted advanced standing based on university policies. RN students must complete 31 nursing credits at Mansfield University and meet all other university requirements to be eligible for graduation.

RN to BSN students have the option to take coursework online or in the classroom. All nursing courses for the RN to BSN are offered online on a three-year rotational basis.

### **Program Requirements: Nursing (R.N. to B.S.N.): 120 s.h.**

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
(May also satisfy General Education requirements)
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
(May also satisfy General Education requirements)
- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL  
(May also satisfy General Education requirements)
- DIT 2211 - INTRODUCTION TO NUTRITION
- MA 1125 - INTRODUCTORY STATISTICS  
(May also satisfy General Education requirements)

- PHL 3380 - HEALTH CARE ETHICS  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)

**One of the following:**

- BI 3371 - MICROBIOLOGY  
or
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES  
(May also satisfy General Education requirements)

**Nursing Transfer Credits: (38)**

- NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING
- NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I
- NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II
- NUR 3370 - NURSING CARE OF THE ADULT CLIENT
- NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES
- NUR 4472 - MENTAL HEALTH NURSING
- NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS

**Nursing Major Credits: (31)**

- NUR xxxx - Nursing Elective(s) Credits: 5
- NUR 3260 - CONCEPTS OF PROFESSIONAL NURSING
- NUR 3261 - HEALTH ASSESSMENT ACROSS THE LIFE SPAN
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I
- NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING
- NUR 4471 - COMMUNITY HEALTH NURSING
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING

**Total Semester Hours: 100**

**Note:** RN to BSN students must take a minimum of 31 s.h. with NUR prefix from Mansfield University.

## Nutrition

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Offered by the Department of Health Sciences  
 Professors Biblehimer, Seigart, Sheehe (chairperson), Wright, K.  
 Associate Professors Evans, Maisner, McGuire (assistant chairperson)  
 Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaparzynski  
 Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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The Health Sciences Department offers a degree program in nutrition. Majors earn a Bachelor of Science degree with concentrations in dietetics or sports nutrition. Students may select the concentration which meets their career goals. Students who wish to work in the areas of fitness and sports may select the sports nutrition concentration; while those wishing to become registered dietitians must select the dietetics concentration. The nutrition major creates opportunities for students who wish to

complete advanced degrees in the field, seek employment upon graduation, or wish to complete a liberal arts degree with the opportunity to study nutrition.

A minor in nutrition is available for those students who wish to combine nutrition with other areas of study. The nutrition minor is especially attractive for those who are interested food and nutrition for the health of their future patients, clients and students. Individuals who plan to be involved in wellness policies and fitness in their careers should consider the addition of this minor.

### **Nutrition: Dietetics Concentration**

The Mansfield University dietetics concentration is currently accredited by the Commission on Accreditation for Dietetics Education of the American Dietetic Association, 120 South Riverside Dr., Plaza Suite 2000 Chicago, IL 60606 (312-899-0040 ext5400) cade@eatright.org. This program includes specialized courses in life cycle nutrition, community nutrition, advanced nutrition, medical nutrition therapy, nutrition education and counseling, food science, food service, chemistry and biology. Students have the opportunity to learn about nutrition and dietetics in a rural environment.

Graduates of this program have two options: (1) to obtain an American Dietetic Association accredited internship in order to become a Registered Dietitian or (2) to obtain an entry level job in the fields of nutrition or food service management.

Career opportunities in this growing field include jobs as foodservice directors or sports nutritionists in schools, sports nutritionists in fitness facilities, food and nutrition experts for food manufacturers or grocery store chains, food service directors for various institutions, clinical dietitians in hospitals and, long term care facilities, private practice dietitians, dietitians in wellness and weight control programs; community dietitians for community programs such as the Women, Infants, and Children (WIC) program and employment in a variety of public and private organizations.

Nutrition and dietetics students are subject to all University academic requirements. The following academic requirements apply only to those continuing in the Nutrition and Dietetics Program.

1. Courses required for the B.S. in Nutrition and Dietetics may not be taken Pass/Fail.
2. A grade of "C" or above is required in all nutrition and dietetics (DIT) courses or the course must be repeated.
3. Nutrition and Dietetics courses may be repeated once. Failure to achieve a "C" grade or better after taking the same course for a second time will block the student from enrollment in any further courses with the same prefix offered by Mansfield University.
4. Requirements for the B.S. in Nutrition and Dietetics must be completed in 7 years or the student may need to repeat certain courses.
5. Students must maintain a minimum GPA of 2.5.
6. All academic standards stated above must be met to receive a Verification Statement. This statement is required for an American Dietetic Association internship, licensure and in some states for certification. . If a student does not comply with any of these requirements, he/she may receive a failing grade in the clinical component of the course.

Students must meet all clinical agency health requirements. These may include background checks, specific immunizations, urine drug testing, and a respirator fit test. Students will be expected to cover the costs of background checks, immunizations, urine drug testing and respirator fit test.



The Mansfield University Nutrition program endeavors to comply with the Americans with Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in Nutrition. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

**Nutrition: Sports Nutrition Concentration**

Sports nutrition is a rapidly growing field of study. Careers in sports nutrition lead to work with individuals and groups who are healthy, active and highly competitive or are seeking to develop or rebuild an active, healthy lifestyle. The sports nutrition concentration is designed for students who seek graduate studies in related fields or who wish to prepare for careers in corporate wellness centers, fitness centers, and university and commercial athletic teams. Individuals who hope to become Registered Dietitians must complete the dietetics concentration or take additional courses that will qualify them to apply for a post-baccalaureate internship.

**Program Requirements: Nutrition and Dietetics (B.S.): 120 s.h.**

**CORE COURSES:**

- DIT 2211 - INTRODUCTION TO NUTRITION  
(May also satisfy General Education requirements)
- DIT 3305 - PRINCIPLES OF FOOD SCIENCE
- DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE
- DIT 3316 - COMMUNITY NUTRITION
- DIT 3325 - NUTRITION COUNSELING AND EDUCATION
- DIT 4417 - ADVANCED NUTRITION
- DIT 4420 - NUTRITION RESEARCH SEMINAR

**Nutrition: Dietetics Concentration**

The Dietetics Concentration is for students who wish to become registered dietitians and seek a varied background in nutrition.

**Required Courses:**

- DIT xxxx choice 3 cr.
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
May Satisfy General Education Requirement
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
May Satisfy General Education Requirement
- BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES  
May Satisfy General Education Requirement
- CHM 1101 - INTRODUCTORY CHEMISTRY  
May Satisfy General Education Requirement
- CHM 1102 - ORGANIC AND BIOCHEMISTRY  
May Satisfy General Education Requirement
- CHM 2201 - INTRODUCTION TO BIOCHEMISTRY
- DIT 3315 - FOOD SERVICE ORGANIZATION AND MANAGEMENT
- DIT 4401 - MEDICAL NUTRITION THERAPY I
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4411 - QUANTITY FOOD PRODUCTION
- MA 1125 - INTRODUCTORY STATISTICS  
May Satisfy General Education Requirement

### **Nutrition: Sports Nutrition Concentration**

The Sports Nutrition Concentration is for students considering careers in sports or fitness. Additional courses are required for those who wish to become registered dietitians.

#### **Required Courses:**

- DIT xxxx Choice 3cr.
- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
May Satisfy General Education Requirement
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
May Satisfy General Education Requirement
- CHM 1101 - INTRODUCTORY CHEMISTRY  
May Satisfy General Education Requirement
- CHM 1102 - ORGANIC AND BIOCHEMISTRY  
May Satisfy General Education Requirement
- CHM 2201 - INTRODUCTION TO BIOCHEMISTRY
- DIT 3330 - SPORTS NUTRITION
- HPE 3360 - KINESIOLOGY
- HPE 3370 - PHYSIOLOGY OF EXERCISE
- MA 1125 - INTRODUCTORY STATISTICS  
May Satisfy General Education Requirement

**Total Semester Hours for Concentration: 35**

**Total Semester Hours for the major (Core plus concentration): 56**

## **Philosophy**

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Offered by the Department of Philosophy  
Professors Newman (chairperson), Timko, Young  
Assistant Professor McEvoy

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Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Department.

A Philosophy major provides an excellent grounding in the fundamental ideas and concepts of our culture. It thus explains a great deal of why we are the way we are and do the things we do. Students are introduced to major philosophers such as Plato, Aristotle, Descartes, and Hume. The major is appropriate for anyone wishing an educationally rewarding and personally challenging undergraduate experience. Because of its emphasis on critical thinking skills, it is especially useful for professions requiring excellence in reasoning, writing and argumentation. It is the recommended course of study for those wishing to pursue a graduate degree in philosophy. There is sufficient flexibility in the Philosophy major to allow students to combine Philosophy as a double major with any other university program.

The B.A. degree in Philosophy also offers a pre-law concentration that is designed primarily for students who want to attend Law School or work in a law related field. The Pre-Law track is an interdisciplinary major that emphasizes the relationship between philosophy and several of the social sciences. The Pre-Law B.A. Program has been

carefully designed to help students develop intermediate to advanced skills in critical reasoning, legal argumentation, and judicial analysis. It is a rigorous program intended to challenge students and advance their opportunities in the study of law and requires 36 credit hours of study.

The B.A. degree in Philosophy with a concentration in Applied Philosophy and Professional Ethics is for students who wish to include a significant ethics component in their curriculum. The Applied and Professional Ethics track is an interdisciplinary major that emphasizes the relationship between moral theory and moral practice in modern society. With the rapid rise of public interest in ethical issues, this program was designed to help promote ethics education and ethical analysis of professional and social behaviors. It requires 36 credit hours of study.

In addition to the credit hour requirements for each of the philosophy tracks, students majoring in philosophy will be required to complete a capstone project in their final year of study. The capstone will be a research-based, student selected, independent study project undertaken as part of their existing program requirements either (a) during one of the upper level philosophy courses or (b) in a one-credit PHL 4490 seminar, with permission. Students must complete this project with a grade of C or above in order to complete the program requirements for graduation.

### **Canadian Studies**

The formal study of Canada is a critical element in the education of the next generation of leaders, providing a significant, accessible avenue for understanding global interdependence and multicultural environments. Moreover, with Canada and the United States as each other's largest trading partner, learning about Canada as a foreign market makes increasingly good economic sense, especially as international job mobility increases.

The Canadian Studies minor provides the student with an interdisciplinary approach to understanding the history, literature, economics, politics, business, fine arts, educational systems, and the physical and cultural environments of our northern neighbor. Building on the theoretical and practical content of the core course, the student selects courses from across the curriculum wherever Canadian content or perspectives are designated.

### **Pre-Law**

Mansfield University has an active and successful effort in the preparation of students for the study of Law. Central to this program are the Pre-Law Minor and the Pre-Law Association. Pre-Law is administered by the Philosophy Department. Dr. Thomas Young is the Pre-Law advisor. His office is in Hemlock Hall; his email address is [tyoung@mansfield.edu](mailto:tyoung@mansfield.edu). The Pre-Law Association is an active, student-funded organization which supplies students with various types of support in preparation for law school. This includes trips to law school fairs, advice concerning LSAT preparation programs, advice on studying for the LSAT, visits to Mansfield University from law school recruiters, advice on applying to law schools, discussions by visiting alumni attorneys or law students, etc. In order to ensure that students expressing the intention of enrolling in law school will receive the support they need, they will be expected to discuss an appropriate major for themselves with the Pre-Law advisor, depending on the area of law they anticipate practicing.

### **Program Requirements: Philosophy (B.A.) 120 s.h.**

- PHL xxxx - Philosophy Electives Credits: 9
- PHL 3000/4000 - Philosophy Electives Credits: 9

- PHL 2201 - INTRODUCTION TO PHILOSOPHY  
(May also satisfy General Education requirements)  
or
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS  
(May also satisfy General Education requirements)
- PHL 3230 - FORMAL LOGIC  
(May also satisfy General Education requirements)
- PHL 4420 - CLASSICAL GREEK PHILOSOPHY
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY
- PHL xxxx - 20th Century Philosophy requirement 3 s.h

**From the following courses:**

- PHL 3390 - EXISTENTIALISM
- PHL 3470 - THEORIES OF MIND AND KNOWLEDGE
- PHL 4423 - TWENTIETH CENTURY PHILOSOPHY

**Total Semester Hours: 33**

**Pre-Law Concentration**

- PHL xxxx - Philosophy Electives Credits: 6
- PHL 2201 - INTRODUCTION TO PHILOSOPHY  
(May also satisfy General Education requirements)
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS  
(May also satisfy General Education requirements)
- PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY
- PHL 3320 - PHILOSOPHY OF LAW
- PHL 3340 - ETHICS
- PHL 4420 - CLASSICAL GREEK PHILOSOPHY  
or
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY

**One of the following:**

- PHL 2200 - CRITICAL THINKING  
or
- PHL 3230 - FORMAL LOGIC

**Choose two from the following courses:**

- PSC 3328 - INTERNATIONAL POLITICAL ECONOMY
- PSC 3330 - PUBLIC POLICY
- PSC 4402 - PRESIDENT AND CONGRESS
- PSC 4404 - COURTS AND THE CONSTITUTION

**Choose one from the following courses:**

- BUS 4410 - BUSINESS LAW I
- CJA 3324 - JUDICIAL CRIMINAL PROCESS
- COM 3330 - PARLIAMENTARY PROCEDURE
- COM 4440 - COMMUNICATION LAW
- PSY 4441 - PSYCHOLOGY AND LAW
- SCI 1104 - FORENSIC SCIENCE

**Applied Philosophy and Professional Ethics Concentration**

- PHL 2201 - INTRODUCTION TO PHILOSOPHY  
(May also satisfy General Education requirements)
- PHL 2202 - CONTEMPORARY MORAL PROBLEMS  
(May also satisfy General Education requirements)
- PHL 2350 - PHILOSOPHY AND POPULAR CULTURE

- PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY  
or
- PHL 3340 - ETHICS
- PHL 4420 - CLASSICAL GREEK PHILOSOPHY  
or
- PHL 4422 - TOPICS IN MODERN PHILOSOPHY

**One of the following:**

- PHL 2200 - CRITICAL THINKING  
or
- PHL 3230 - FORMAL LOGIC

**Choose three from the following courses:**

- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS  
(may be taken more than once if topics change)
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA
- PHL 3365 - SCIENCE AND VALUES
- PHL 3380 - HEALTH CARE ETHICS

**Choose three from the following courses:**

- COM 3334 - GENDER AND COMMUNICATION
- ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS
- ES 3300 - HUMANS IN NATURE
- HST 3307 - CONTEMPORARY AMERICA
- HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945
- PSY 4421 - DEATH AND DYING
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 4415 - AMERICAN VALUES IN CONFLICT

**Total Semester Hours: 36**

## **Physics with Physics, Pre-Engineering or Nanotechnology Concentration**

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Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson), Davis

Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky

Assistant Professor Kiessling

Instructor Tandon

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The Department of Chemistry and Physics offers two programs which lead to the baccalaureate degree with a major in physics. Minors in Chemistry, Physics, and Forensic Science are available as further options.

### **Physics**

The B.S. degree in physics offers intensive training in classical and modern physics both in the classroom and in the laboratory. Students are taught the fundamental laws of nature and how to apply these principles to practical problems and situations. Some career opportunities for students who complete the B.S. degree program in Physics include: research assistants in government and industrial laboratories; technicians in the communication, electronics, and energy industries; and editors/writers of technical manuscripts. This program is excellent preparation for graduate study in physics, engineering, law, and economics.

### **Physics/Pre-Engineering**

The B.S. degree in physics with pre-engineering concentration is designed for students who want a broadly based physics and engineering education. This program is a cooperative endeavor between Mansfield University and other institutions. Check with your advisor to see the list of other institutions. Students spend three years at Mansfield completing the bulk of their required course work for the physics degree and then two years at an engineering school completing their course work for the engineering degree. At the culmination of the experience, the student will have earned a B.S. in physics from Mansfield and an engineering degree from the affiliated school. Some career opportunities for students who choose to participate in this program include mechanical, electrical, civil, and chemical engineers; consultants to engineering firms; and research assistants in government and industrial laboratories.

### **Physics/Nanotechnology**

The B.S. degree in physics with a nanotechnology concentration offers students the opportunity to experimentally and theoretically explore surface and thin film physics. Nanotechnology is the science of manipulating matter one atom at a time. The nanotechnology concentration involves collaboration between Mansfield University and the Pennsylvania State University. This program features an 18 credit hour laboratory experience at the Penn State Nanofabrication Facility. Some possible opportunities for students who complete this program include careers in microelectronics, optoelectronics, semiconductor and microsensor fabrication, and biotechnology.

### **Program Requirements: Physics (B.S.) with Physics, Pre-engineering or Nanotechnology Concentration: 120 s.h.**

#### **Core:**

- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)
- MA 2233 - CALCULUS III  
(May also satisfy General Education requirements)
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY  
(May also satisfy General Education requirements)
- MA 3311 - DIFFERENTIAL EQUATIONS I  
(May also satisfy General Education requirements)
- MA 3312 - DIFFERENTIAL EQUATIONS II  
(May also satisfy General Education requirements)
- PHY 1180 - QUANTITATIVE METHODS FOR THE PHYSICAL SCIENCES
- PHY 2210 - GENERAL PHYSICS I  
(May also satisfy General Education requirements)
- PHY 2211 - GENERAL PHYSICS II  
(May also satisfy General Education requirements)
- PHY 3311 - MODERN PHYSICS I
- PHY 3312 - MODERN PHYSICS II
- PHY 3313 - PHYSICAL MECHANICS I

- PHY 3315 - ANALOG ELECTRONICS
- PHY 3316 - DIGITAL ELECTRONICS

**Total Semester Hours for Core: 57**

### **Concentrations:**

#### **Pre-Engineering Concentration: 6 s.h.**

- PHY xxxx - Physics Electives (3300/4400upper level) Credits: 6

**Total Semester Hours for Concentration: 6**

#### **Physics Concentration: 15 s.h.**

- PHY xxxx - Physics Electives (3300/4400upper level) Credits: 15

**Total Semester Hours for Concentration: 15**

#### **Nanotechnology Concentration: 24 s.h.**

- PHY xxxx - Physics Electives (3300/4400 level) Credits: 6
- SCI 3270 - NANOTECH LAB EXPERIENCE

**Total Semester Hours for Concentration: 24**

## **Physics Education**

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Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson), Davis

Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky

Assistant Professor Kiessling

Instructor Tandon

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The Department of Chemistry and Physics offers two programs which lead to the baccalaureate degree with a major in physics. Minors in Chemistry, Physics, and Forensic Science are available as further options.

### **Physics Education**

The B.S.E. degree in physics is designed for those students who want to teach physics in secondary schools. This program provides the necessary course work for certification as a physics teacher. Advising is handled by both education and physics faculty members. Many students enrolled in this program also choose to seek certification in mathematics. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

#### **Program Requirements: Physics Education (B.S.E.): 126 s.h.**

- ENG xxxx - LITERATURE Credits: 3  
(May also satisfy General Education requirements)
- CHM 1111 - GENERAL CHEMISTRY I  
(May also satisfy General Education requirements)
- CHM 1112 - GENERAL CHEMISTRY II  
(May also satisfy General Education requirements)
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY

- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- MA 2231 - CALCULUS I  
(May also satisfy General Education requirements)
- MA 2232 - CALCULUS II  
(May also satisfy General Education requirements)
- MA 2233 - CALCULUS III  
(May also satisfy General Education requirements)
- MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY  
(May also satisfy General Education requirements)
- MA 3311 - DIFFERENTIAL EQUATIONS I  
(May also satisfy General Education requirements)
- MA 3312 - DIFFERENTIAL EQUATIONS II  
(May also satisfy General Education requirements)
- PHY 1180 - QUANTITATIVE METHODS FOR THE PHYSICAL SCIENCES
- PHY 2210 - GENERAL PHYSICS I  
(May also satisfy General Education requirements)
- PHY 2211 - GENERAL PHYSICS II  
(May also satisfy General Education requirements)
- PHY 3311 - MODERN PHYSICS I
- PHY 3312 - MODERN PHYSICS II
- PHY 3313 - PHYSICAL MECHANICS I
- PHY 3315 - ANALOG ELECTRONICS
- PHY 3316 - DIGITAL ELECTRONICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 3321 - ADOLESCENT PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 101**

## Political Science

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Offered by the Department of History and Political Science

Professor Guenther (chairperson)

Associate Professors Bosworth, Chua, Gaskievicz

Assistant Professor Holderby

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The Department of History and Political Science offers one political science degree: a B.A. in Political Science. We offer minors in history, political science, international studies, and environmental studies.

### Political Science

The political science program provides a broad and balanced introduction to the study of government and politics in both the U.S. and abroad. The goal is to provide both breadth and depth of knowledge and proficiency in the concepts, theories, and ideas about politics. This program takes an explicitly interdisciplinary approach to educate students about the study of politics. All students in these courses are encouraged to become articulate, active, and informed citizens. The knowledge and skills nurtured in this program are widely applicable to further study in graduate school



or law school and for the pursuit of careers in business, law, public administration, politics, teaching, journalism, communications, and research.

**Program Requirements: Political Science (B.A.): 120 s.h..**

- Political Science Electives (min. 18 at upper level) Credits: 24
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT  
(May also satisfy General Education requirements)
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS  
(May also satisfy General Education requirements)
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS
- PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS  
Cross-listed with SOC 3308
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS  
Cross-listed with PSC 3308

**Total Semester Hours: 36**

## Psychology

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Offered by the Department of Psychology

Professors Craig, Keller, P., Launius, Loher, Murray (chairperson), Seidel

Associate Professor Brown

Assistant Professor Verno

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The Psychology Department offers a B.S. degree in Psychology with concentrations in General Psychology, Counseling, Lifespan Development, Mind/Body Health and Human Resource Management. The Psychology major is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter master's degree programs in counseling or related fields.

Minors are available to non-majors in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, and adult development.

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's senior seminar course.

Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Many students report the internship to be an important part of their educational experience. For some, the internship leads directly to employment. The Psychology Department maintains relationships with a broad range of organizations that offer internships in counseling, other human services, health care, or business. To qualify for an internship, students must maintain a B average in the major. Advisors work closely with students to plan the internship and ensure that the experience is successful.

All students in the major must obtain grades of C or higher in PSY 1101 and either PSY 1151 or PSY 3353 (whichever they take upon entering the major) to continue in the program. Students may retake these courses once to meet the standard. Those who fail

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to meet the standard may not continue in the major and will be advised in the selection of a new major.

To meet requirements for graduation as a Psychology major, students must (1) satisfy the University's general education and degree requirements, (2) complete the Psychology course requirements, (3) submit an acceptable portfolio, and (3) complete an independent research project, a research apprenticeship, or an internship.

### **Program Requirements: Psychology, (B.S.): 120 s.h.**

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 1151 - ORIENTATION TO PSYCHOLOGY  
waived for students entering the program with 45 or more semester hours completed
- PSY 2206 - RESEARCH METHODS I
- PSY 3353 - CAREER PLANNING
- PSY 4490 - SENIOR SEMINAR
- PSY 4495 - INTERNSHIP  
Or
- PSY 4496 - RESEARCH APPRENTICESHIP  
Or
- PSY 4497 - INDEPENDENT STUDY

**Total Semester Hours for Core: 16-25**

**Total Semester Hours for Major (Core + Concentration): 41-56**

### **Concentrations:**

#### **Psychology, General Psychology, (B.S.): 120 s.h.**

The General Psychology Concentration is for students who want a broad exposure to the sub-disciplines within Psychology. Majors in the General Psychology concentration may not choose a 2nd concentration.

##### **Required Courses:**

- Choose either:  
PSY 3350 LEARNING AND COGNITION with LAB  
PSY 3355 HEALTH PSYCHOLOGY
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- PSY 3290 - LIFE SPAN DEVELOPMENT  
May also satisfy General Education Requirements
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS

**Choose 9 PSY semester hours by advisement**

**Total Semester Hours for Concentration 25-26**

#### **Psychology, Counseling, (B.S.): 120 s.h.**

The Counseling Psychology Concentration is for students considering careers in counseling or other applications of Psychology to helping people in clinical and human service settings.

##### **Required Courses:**

- Choose either:  
PSY 3350 LEARNING AND COGNITION with LAB  
PSY 3355 HEALTH PSYCHOLOGY
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT

- PSY 3300 - HELPING SKILLS
  - PSY 3301 - THEORIES OF COUNSELING
  - PSY 3306 - RESEARCH METHODS II
  - PSY 3391 - PSYCHOLOGICAL DISORDERS
- May also satisfy General Education requirements

**Choose two courses from the following: 6 s.h.**

- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY
- PSY 4421 - DEATH AND DYING
- PSY 4430 - THEORIES OF PERSONALITY
- PSY 4445 - ADVANCED COUNSELING TECHNIQUES

**Total Semester Hours for the Concentration: 26**

### **Psychology, Mind/Body Health (B.S.): 120 s.h.**

The Mind/Body Health Concentration is for students interested in the interface between psychological and physical aspects of human beings. Students in this concentration might pursue careers in health applications of psychological science.

#### **Required Courses:**

- PSY 3306 - RESEARCH METHODS II
  - PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
  - PSY 3355 - HEALTH PSYCHOLOGY
  - PSY 3391 - PSYCHOLOGICAL DISORDERS
- May also satisfy General Education Requirement

**Choose two courses from the following:**

- PSY 2212 - HUMAN SEXUALITY
- May also satisfy General Education requirements
- PSY 3290 - LIFE SPAN DEVELOPMENT
- May also satisfy General Education requirements
- PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY
  - PSY 4421 - DEATH AND DYING
  - PSY 4422 - PSYCHOLOGY OF WOMEN

**Choose 6 semester hours by advisement**

**Total Semester Hours for Concentration: 26**

### **Psychology, Lifespan Development (B.S.): 120 s.h.**

The Lifespan Development Concentration is for students interested in careers that focus on children or other age specific groups in the human lifespan. This concentration will serve as a strong foundation for those who want to pursue advanced studies in developmental psychology or in services to children, adolescents, or aging populations in schools and other applied settings.

#### **Required Courses:**

- Choose either:
    - PSY 3350 LEARNING AND COGNITION with LAB
    - PSY 3355 HEALTH PSYCHOLOGY
  - PSY 2201 - PSYCHOLOGICAL ASSESSMENT
  - PSY 3290 - LIFE SPAN DEVELOPMENT
- May also satisfy General Education requirements
- PSY 3306 - RESEARCH METHODS II

**Choose two courses from the following:**

- PSY 3292 - CHILD PSYCHOLOGY
- May also satisfy General Education requirements

- PSY 3321 - ADOLESCENT PSYCHOLOGY  
May also satisfy General Education requirements
- PSY 3324 - ADULT DEVELOPMENT AND AGING  
May also satisfy General Education requirements

**Choose two courses from the following by advisement: 6 s.h.**

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS  
May also satisfy General Education Requirements
- PSY 2212 - HUMAN SEXUALITY  
May also satisfy General Education Requirements
- PSY 3300 - HELPING SKILLS
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3391 - PSYCHOLOGICAL DISORDERS  
May also satisfy General Education Requirement

**Total Semester Hours for Concentration: 26**

## **Radiology Technology A.A.S.**

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Offered by the Department of Health Sciences

Professor Biblehimer, Seigart, Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner, McGuire

Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaparzynski

Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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### **The Radiographer**

Diagnostic radiographers are valued members of the healthcare team involved in imaging body structures and organs using a variety of procedures and sophisticated equipment. Most people are familiar with radiographic chest examinations and know that x-ray examinations are the best way to diagnose broken bones. Diagnostic radiographers perform these procedures as well as procedures which require the use of contrast agents that make it possible to study organs and blood vessels that otherwise cannot be seen.

### **Accreditation**

Radiologic Technology is a full time two-year degree program offered through Mansfield University Health Sciences and Physical Activities Department and is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, Illinois, 60606-3182.

### **Program Mission**

The mission of the Mansfield University Radiology Program is to develop competent entry-level diagnostic radiographers. Graduates will possess knowledge and skills related to positioning patients for radiographic procedures, radiation protection, exposure technique, and image evaluation. They will also demonstrate excellence in communication, patient care, critical thinking, use of medical ethics, and professionalism.

Graduates will also demonstrate familiarity with specialized radiologic modalities including Magnetic Resonance Imaging (MRI), Nuclear Medicine, Vascular Interventional Radiography, Ultrasound, CT Scanning, Mammography and Radiation Therapy. By providing a high quality academic curriculum with associated laboratories, and a guided systematic approach to clinical experience, faculty members strive to provide an integrated educational experience. Through continual self-evaluation and measured outcomes, faculty members also strive to respond to the changing needs of the profession, so graduates become effective members of today's health care team.

## Program Goals

- To develop students with skills in the technical aspects of producing and evaluating radiographic images.
- To develop students with skills in communication, patient care, critical thinking and use of medical ethical concepts.
- To promote professional development.
- To provide the health care community with competent, entry-level diagnostic radiographers.
- To promote graduate and employer satisfaction

## Program Description

During the first semester, students attend classes at the Mansfield University campus. The remaining three semesters and two summers are spent completing clinical and classroom requirements at the Sayre, PA campus. Radiology students attend an orientation session at Robert Packer Hospital during the week immediately before the start of the regular 1st spring semester. All professional courses are taught in modern up-to-date college and clinical affiliate classrooms and laboratories. When assigned to the Sayre campus, students complete up to 40 clinical/classroom hours per week. The average daily times of attendance are from 8:00 a.m. to 4:00 p.m., Monday through Friday. Occasionally, attendance at a late afternoon class that extends beyond 4:00 p.m. and attendance at an evening class is required. While the majority of courses are taught using traditional in-class instruction, some are completed via distance and online learning.

Clinical education includes extensive clinical experience at the Radiology Department of Robert Packer Hospital in Sayre, Pennsylvania. Students are routinely assigned to diagnostic areas and gain familiarity with six speciality areas by completing a short clinical rotation within each modality. Second year students also attend a one-week clinical rotation at Troy Community Hospital to gain experience in computed radiography. Although the majority of clinical experience is assigned during day-time hours, each second year student rotates sequentially through an evening clinical assignment that occurs from 5:00 p.m. to 11:00 p.m. Students must provide their own transportation to all classes and clinical assignments.

## Admission Requirements

1. Completed application form with nonrefundable fee
2. High school diploma or GED
3. High school and/or post secondary transcripts
4. High school math and science background
5. Scores from Scholastic Aptitude Test (SAT) and American College Test (ACT)
6. Personal interview and clinical shadowing experience
7. Candidates must also comply with program technical standards that include:
  1. Read small print and write legible notes
  2. Speak and be understood
  3. Handle sterile and non-sterile instruments with dexterity
  4. Hear speech when the speaker wears a mask and the listener's ears are covered with a cap
  5. Lift, move and assist patients
  6. Perform x-ray equipment manipulation
  7. Wear a protective apron when necessary
  8. Access, without assistance, all clinical areas
  9. Perform all CPR movements

Since class size is limited, applicants with a math and science background are given preference. The University Admissions Office selects candidates who meet the minimum admission requirements and forwards their applications to the program Director. A personal interview and shadowing experience are required. The decision for acceptance is based on the candidate's academic performance in math/science and SAT/ACT scores. Each candidate is rated using a point score system. Candidates with the highest total point score are given priority for admission. All candidates are notified by the Admissions Office of their final application status.

### **Change of Major**

A Mansfield University student who would like to be considered for acceptance into the Radiology Technology Program must notify the Program Director, obtain a Change of Major form from the Registrar's Office, and request that the following documents be faxed to the Program Director at (570) 882-6509:

- copy of student's original application to Mansfield University
- copy of all post-secondary transcripts including Mansfield University transcript
- copy of high school transcript

The Admissions Committee will consider the request using the same acceptance criteria used for external applicants. All candidates are notified by the Program Director of their final application status. If accepted to the program, the student must submit a completed Change of Major form to the Program Director.

### **Health Requirements**

To be allowed to treat patients at Robert Packer Hospital, and other affiliated hospitals, each radiology student must comply with the immunization and health requirements established by the hospital and/or state health department. Prior to enrollment in the first radiology courses at Robert Packer Hospital in January, each radiology student must provide the Program Director with documentation of the following:

1. Two MMR (measles, mumps, rubella) vaccinations, or rubeola titers confirming immunity (for students born before January 1, 1957, a rubeola titer is not needed)
2. Positive history of chicken pox (varicella) or varicella titer confirming immunity
3. Hepatitis B immunization
4. Tuberculosis skin tests (PPD): If an individual has written documentation of one PPD skin test within the preceding twelve months, one additional PPD skin test is needed prior to beginning the first clinical course in Sayre. If the individual has not had a PPD in the past 12 months, he/she must complete the two-step PPD process prior to beginning their rotations in the hospital. There must be a minimum of seven days between the two PPD tests, however the two-step PPD must be completed within a three-week period of time. Documentation must include the date (s) when the test was administered and the date (s) when the test site was checked.
5. Tetanus within the last ten years
6. A negative 7-panel urine drug screen completed within six months of beginning courses on the Guthrie/Robert Packer Hospital campus.
7. A completed Respirator Fit Test. If the test has not been completed, radiology students must sign a waiver indicating that they will not participate in the care of patients with tuberculosis.

## Medical and Professional Liability Insurance

All students must have health and professional liability insurance to participate in clinical experiences at all Guthrie Health facilities. Documentation of coverage must be submitted to the Program Director prior to enrollment in the first radiology courses at Robert Packer Hospital in January.

Students who do not have health insurance can purchase a policy through Mansfield University by contacting Kathleen McNett by telephone at (570) 662-4933 or by e-mailing her at [kmcnett@mansfield.edu](mailto:kmcnett@mansfield.edu). To purchase professional liability (malpractice) insurance, students may contact March Affinity Group Services by phone at (800) 503-9230 or by e-mail at [www.seaburychicago.com](http://www.seaburychicago.com). A policy with a minimum coverage of \$1,000,000.00 per incident and a \$3,000,000.00 aggregate must be purchased.

Expenses incurred meeting health and insurance requirements are the responsibility of the student. All documentation may be mailed to the Program Director of the Radiology Technology Program, Robert Packer Hospital, Patterson Education Building, Room 216, One Guthrie Square, Sayre, PA 1 8840

Students who fail to complete the health requirements and/or submit documentation will be denied access to clinical and laboratory courses.

## Students with Disabilities

The Mansfield University Radiologic Technology program complies with the Americans with Disabilities Act and with University policies regarding students with disabilities. Every effort is made to provide reasonable accommodations for qualified students with disabilities who are able to perform the essential functions of our academic program. A list of "essential functions" is available from the Program Director upon request. Students who are accepted into the program and later discovered to be unable to perform these essential functions may not be able to complete the program. The program faculty will work with students to identify the reasonable accommodations necessary to aid them in becoming successful. The program will also cooperate with the University's Office of Services for Students with Disabilities to insure students' needs are complied with as outlined by the American's with Disabilities Act and Mansfield University's policy of insuring equal opportunity for all students.

## Program Standards

Radiologic technology students are subject to all Mansfield University policies plus the following radiologic technology program standards:

1. Satisfactory completion of all required courses.
2. A minimum grade of "C-" must be achieved in BSC 1121, Human Anatomy and Physiology I, and MA 1128, College Algebra for enrollment in the radiology courses in Sayre.
3. All professional courses (courses with an "XRT" prefix) are not included in the university pass/fail policy.
4. A minimum grade of "C" must be achieved in all professional courses (those with an XRT prefix) and modules of the courses. Any student receiving a "C-" or lower grade cannot continue in the program until the course is repeated and a "C" or higher grade is attained.
5. Professional courses can be repeated only once. Students will be readmitted on a "space available" basis. Any student who fails to earn at least a grade of "C" upon completion of the repeated course will be dismissed from the program
6. All degree work must be completed within three years.

**Graduation Requirements**

1. Satisfactory completion of all required courses.
2. Completion of all professional courses with a grade no lower than “C” in each course.
3. Completion of BSC 1121 with a minimum grade of “C-”
4. Final O.P.A. of at least 2.00.
5. Payment of all required tuition, fees, and debts.

**Certification****Ethics**

Every candidate for certification and every applicant for renewal of registration must, according to the governing documents, “Be a person of good moral character and must not have engaged in conduct that is inconsistent with the ARRT Rules of Ethics,” and they must “agree to comply with ARRT Rules and Regulations and the AART Standards of Ethics.”

One issue addressed by the Rules of Ethics is the conviction of a crime, including a felony, a gross misdemeanor or a misdemeanor, with the sole exception of speeding and parking violations. All alcohol and/or drug related violations must be reported. “Conviction” as used in this provision includes:

- \* a criminal proceeding where a finding or verdict of guilt is made or returned by the adjudication of guilt is either withheld or deferred,
- \* a proceeding in which the sentence is suspended or stayed,
- \* a criminal proceeding where the individual enters a plea of guilty or nono contendere (no contest), or
- \* a proceeding resulting in a military court-martial.

AART investigates all potential violations in order to determine eligibility.

**Education**

Eligibility for certification also specifies the satisfaction of educational preparation requirements.

**Examination**

Finally, eligibility requires candidates for certification, after having met all other qualifications, to pass an examination developed and administered by the ARRT. The exams assess the knowledge and cognitive skills underlying the intelligent performance of the tasks typically required of staff technologists practicing within the respective disciplines.

For additional information regarding certification visit the website: [www.ARRT.com](http://www.ARRT.com).

**Career Opportunities**

Upon program completion career opportunities are available in hospitals, imaging centers, medical clinics, and mobile units. With additional education or training, radiographers can pursue employment in specialty areas including Computed Tomography (CT), Cardiovascular Interventional Radiography technology, Magnetic Resonance Imaging (MRI), Ultrasound, Nuclear Medicine, Radiation Therapy, and Mammography.

**Job Placement**

Although the radiology program does not provide job placement, graduates maintain a 100% record of job attainment.



### **Bloomsburg Baccalaureate Degree Option**

Program graduates have the option to obtain a Baccalaureate Degree from Bloomsburg University with an emphasis in management, education, or a clinical specialty i.e. Ultrasound, Nuclear Medicine, Positron Emission Tomography, Computed Tomography, or Magnetic Resonance Imaging. Under the terms of an articulation agreement between Mansfield University and Bloomsburg University, graduates from the Mansfield University Radiology Technology Program are guaranteed admission, with advanced standing at the junior level, to Bloomsburg University.

Program graduates are eligible to sit for the certification examination of the American Registry of Radiologic Technologists (ARRT) provided they meet the b. Certified Radiographers may use the letters RT @ R after their names. ARRT certification satisfies most state radiographer licensure laws.

### **Program Requirements: Radiology Technology (A.A.S.): 69 s.h.**

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
(May also satisfy General Education requirements)
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
(May also satisfy General Education requirements)
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS  
(May also satisfy General Education requirements)
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I
- MA 1128 - COLLEGE ALGEBRA  
(May also satisfy General Education requirements)
- PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)
- XRT 1101 - X-RAY TECHNOLOGY I
- XRT 1102 - X-RAY TECHNOLOGY II
- XRT 1103 - X-RAY TECHNOLOGY III
- XRT 1104 - X-RAY TECHNOLOGY IV
- XRT 1105 - X-RAY TECHNOLOGY V
- XRT 1106 - X-RAY TECHNOLOGY VI
- XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE
- XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER
- XRT 2203 - X-RAY PHYSICS
- XRT 3301 - CLINICAL PRACTICUM I
- XRT 3302 - CLINICAL PRACTICUM II
- XRT 3303 - CLINICAL PRACTICUM III
- XRT 3304 - CLINICAL PRACTICUM IV
- XRT 3305 - CLINICAL PRACTICUM V

**Total Semester Hours: 69**

## Respiratory Therapy A.A.S.

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Offered by the Department of Health Sciences

Professor Biblehimer, Seigart, Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner, McGuire

Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaporzynski

Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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According to the Bureau of Labor Statistics, the need for respiratory therapists is expected to grow faster than the average for all professions, by up to 26% through the year 2014. This two-year program is one of the oldest respiratory therapy programs in the nation with a reputation for a strong emphasis on clinical competence. Entering students spend their first semester on the Mansfield campus taking required general education courses. The following three semesters and intervening summer session consist of course work and clinical training at Robert Packer Hospital in Sayre. Clinical training at Robert Packer Hospital is supplemented by clinical experiences at St. Joseph's Hospital, Elmira, NY; Arnot Ogden Medical Center, Elmira, NY; Wilson Memorial Medical Center, Johnson City, NY; Troy Community Hospital, Troy, PA; Geisinger Medical Center, Danville, PA; and Arnot Ogden Medical Center, Elmira, NY. The program is fully accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation of the Committee on Accreditation for Respiratory Care (CoARC).

The typical respiratory therapist travels about the hospital caring for newborn infants, children, adults, and the elderly. As a respiratory therapist, you are trained to perform patient assessment, interpret a variety of clinical information, and make decisions that directly impact the patient's outcome. Therapists may choose to specialize in such areas as newborn or pediatric care, adult critical care, home care, cardiopulmonary diagnostic testing, patient transport, pulmonary rehabilitation, patient education, respiratory care education, or health care administration.

This program prepares the student for a variety of career options and has a record of 100% employment of its graduates. Graduates of this program are employed in hospitals, skilled nursing and rehabilitation facilities, home care businesses, physician's offices, medical equipment supply companies, and colleges and universities.

Graduates are eligible for the National Board for Respiratory Care (NBRC) entry-level certification examination. Graduates passing this exam receive the Certified Respiratory Therapist (CRT) credential and qualify for the examinations for the NBRC Registered Respiratory Therapist credential (RRT).

In addition to University academic requirements, all respiratory therapy students are subject to the following program academic requirements.

1. A grade of "C" or better in both the BSC 11 21 Human Anatomy & Physiology I and MA 1128 College Algebra courses and a cumulative grade point average of 2.3 are prerequisites for enrollment in the first respiratory therapy courses offered in Sayre.
2. A grade of "C" or better must be achieved in all respiratory therapy courses.
3. If a "C-" or lower grade is received for a respiratory therapy course, it must be repeated.
4. Respiratory therapy courses may be repeated only once.
5. A student, who fails to achieve a grade of "C" or better in a respiratory therapy course after repeating the course, is prohibited from future enrollment in any respiratory therapy courses and is dismissed from the respiratory therapy program.

6. Required courses for the Respiratory Therapy degree are NOT included in the University Pass/Fail policy.
7. Requirements for the Associate in Applied Science degree in Respiratory Therapy must be completed within four years from the date the student is formally admitted to the program.

Students must meet all clinical agency health and insurance requirements. These may include background checks, specific immunizations, urine drug testing, and professional liability insurance. Students will be expected to cover the costs of these requirements.

In most states, including Pennsylvania, a license is required to practice respiratory care and is routinely granted to graduates of this program. There are legal restrictions, though, on who may be granted a license. In Pennsylvania, the State Board of Medicine "shall not issue a license or certificate to an applicant unless the applicant establishes with evidence, verified by an affidavit or affirmation of the applicant, that the applicant is of legal age, is of good moral character and is not addicted to the intemperate use of alcohol or the habitual use of narcotics or other habit-forming drugs", or "to an applicant who has been convicted of a felony under the act of April 14, 1972 (P.L.233, No.64), known as The Controlled Substance, Drug, Device and Cosmetic Act, or of an offense under the laws of another jurisdiction which, if committed in this Commonwealth, would be a felony under The Controlled Substance, Drug, Device and Cosmetic Act, unless:

1. at least ten years have elapsed from the date of conviction;
2. the applicant satisfactorily demonstrates to the board that he has made significant progress in personal rehabilitation since the conviction such that licensure of the applicant should not be expected to create a substantial risk of harm to the health and safety of his patients or the public or a substantial risk of further criminal violations; and
3. the applicant otherwise satisfies the qualifications contained in or authorized by this act."

For further information, please see section 22 (b) of the Medical Practice Act of 1985 (63 P. S. § 422.6(a) and (d), 422.8 and 422.1 note), available at the Pennsylvania State Board of Medicine Web site.

The Mansfield University Respiratory Therapy program endeavors to comply with the Americans With Disabilities Act and with University Policies regarding students with disabilities. Every effort will be made to provide reasonable accommodation for qualified students with disabilities who are able to perform the essential functions of our academic program in Respiratory Therapy. Students who are accepted into the program, and then discovered to be unable to perform these essential functions (with or without accommodation) may not be able to complete the program. Graduates who complete the program but are unable to perform certain competencies may experience significant roadblocks to, and in, the employment setting.

### **Program Requirements: Respiratory Therapy (A.A.S.): 71 s.h.**

- BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY  
(May also satisfy General Education requirements)
- BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II  
(May also satisfy General Education requirements)
- CHM 1101 - INTRODUCTORY CHEMISTRY  
(May also satisfy General Education requirements)
- CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
- COM 1101 - ORAL COMMUNICATION
- ENG 1112 - COMPOSITION I

- MA 1128 - COLLEGE ALGEBRA
- PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- RTH 1101 - FUNDAMENTALS OF RESPIRATORY CARE
- RTH 1102 - FUNDAMENTALS OF RESPIRATORY CARE II
- RTH 1111 - PULMONARY FUNCTION TESTING
- RTH 1112 - ARTERIAL BLOOD GASES
- RTH 1199 - CLINICAL PRACTICUM I
- RTH 2200 - CLINICAL PRACTICUM II
- RTH 2204 - PHARMACOLOGY
- RTH 2207 - PULMONARY DISEASE
- RTH 2208 - PERINATAL/PEDIATRIC RESPIRATORY CARE
- RTH 2209 - CLINICAL PRACTICUM III
- RTH 2210 - CLINICAL PRACTICUM IV
- RTH 2211 - MECHANICAL VENTILATION
- RTH 2212 - ADVANCED CARDIOPULMONARY CARE
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)

**Total Semester Hours: 71**

## Secondary Education

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Offered by the Department of Education and Special Education

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### Certification Requirements

Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "Teacher Education Certification."

### Secondary Education

The secondary education curriculum prepares students for middle school, junior high, and high school teaching. The curriculum is the combined responsibility of the Education and Special Education Department and the appropriate content area departments of the university. The program is based on the theme, "Teacher as Reflective Decision Maker," and provides students with depth in subject matter, preparation in instructional methodology, and a variety of field experiences culminating in student teaching in the senior year. Students in the program learn how to communicate subject matter clearly and effectively to promote secondary students' learning. Mansfield University offers secondary education degree programs in the following curricular areas: Chemistry, Earth and Space Science, English, French, German, Mathematics, Physics, Social Studies (with emphasis in History), and Spanish. Many education majors also pursue graduate studies after graduation. See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.

## Program Requirements

Specific course requirements for secondary education programs can be found in the sections for each content area department under the requirements for the B.S.E. degrees. (For example, the required courses in the secondary education Chemistry program are listed in the Chemistry Department section of the catalog under the heading "Chemistry B.S.E." degree requirements.)

## Social Work

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Offered by the Department of Social Work, Anthropology and Sociology

Professor Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Molla, Richmond

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Mansfield University's Social Work Program is accredited by the Council on Social Work Education (CSWE) at the Baccalaureate level. This national accreditation ensures that the quality of the program merits public confidence and meets the highest scrutiny available in Social Work education.

The mission of the Mansfield University Social Work Program is to provide comprehensive preparation for competent entry-level social work practice and/or graduate study. This program is dedicated to providing an academically challenging curriculum infused with optimum learning opportunities that is grounded in the liberal arts education. The generalist social work model is used to integrate and apply the knowledge, values, and skills of the social work profession and to engage in ethical practice with diverse client systems, including social and economic justice, in a variety of service settings. Within a global context, the Social Work Program is focused on providing a rural perspective, based on the location of Mansfield University.

Social Work Program goals are to:

1. prepare baccalaureate social work graduates with the knowledge, values, and skills for competent, ethical generalist practice with diverse client systems
2. provide an academically challenging curriculum that addresses and models the principles, values and ethics that serve as a foundation for all social work practice
3. prepare graduates who are committed to alleviating social and economic injustice
4. prepare graduates who have a commitment to continued personal and professional development and to provide leadership to the profession, particularly in rural settings
5. contribute to the social work profession through professional development and leadership activities that promote competent social work practice

### Objectives of Social Work Program

Graduates of Mansfield University's Social Work Program will demonstrate an ability to:

1. Apply critical thinking skills within the context of professional social work practice (EP 3.0.1 ).
2. Understand the value base of the profession and its ethical standards and principles, and practice accordingly (EP 3.0.2).
3. Practice without discrimination and with respect, knowledge, and skills related to clients' age, class, color, culture, disability, ethnicity, family structure, gender, marital status, national origin, race, religion, sex, and sexual orientation (EP 3.0.3).

4. Understand the forms and mechanisms of oppression and discrimination and apply strategies of advocacy and social change that advance social and economic justice (EP 3.0.4).
  5. Understand and interpret the history of the social work profession and its contemporary structures and issues (EP 3.0.5).
  6. Apply the knowledge and skills of generalist social work practice with systems of all size in both rural and urban settings (EP 3.0.6).
  7. Use theoretical frameworks supported by empirical evidence to understand individual development and behavior across the life span and the interactions among individuals and between individuals and families, groups, organizations, and communities (EP 3.0.7).
  8. Analyze, formulate, and influence social policies (EP 3.0.8).
  9. Evaluate research studies, apply research findings to practice, and evaluate their own practice interventions (EP 3.0.9).
  10. Use communication skills differentially across client populations, colleagues, and communities (EP 3.0.10).
  11. Understand the appropriate use of supervision and consultation in social work practice (EP 3.0.11).
  12. Function within the structure of organizations and service delivery systems and seek necessary organizational change (EP 3.0.12).
  13. Evaluate their commitment to social work practice and continued personal and professional development to advance the profession (EP 3.2).
- Faculty of Mansfield University's Social Work Program will:
14. Continue to engage in scholarly activities (EP 3.2).
  15. Accept leadership roles in professional organizations and in the community (EP 3.2).

Formal admission to the Social Work Program is obtained by applying to the university through the Office of Admissions or completing the appropriate petitions requesting to major in Social Work. Throughout their professional studies, students are expected to demonstrate the required academic and professional performance for continuation in the Social Work Program. First, the student completes three one-hour courses that facilitate an orientation to the profession. Second, prior to enrolling in SWK 3300 or SWK 331 5, the student completes an "Intent to Continue" form that must be approved and signed by the Social Work major's advisor. Finally, before the major enrolls in their first practice class (SWK 3350, SWK 3351, SWK 3352, or SWK 3353), the student applies for candidacy into the Social Work program. The completed candidacy application is reviewed by the Faculty Evaluation Committee and must be approved before practice courses are taken. The student is evaluated on the candidacy application, the record of grade achievement (evidenced by a cumulative QPA of 2.50 or greater), evidence of professional commitment and participation in the field of Social Work, and the adherence to the National Association of Social Workers' Code of Ethics.

Prior to enrolling in Field Education and Field Seminar (SWK 4452 and SWK 4453), an application for Field Education must be completed by the student and approved by the Faculty Evaluation Committee. The student is evaluated on their record of grade achievement in practice courses (students who have any grade below a C+ in SWK 3350, SWK 3351, SWK 3352 must address the deficits in an interview with the Field Director), evidence of continued professional commitment and participation in the field of Social Work, and evidence of continued commitment to the National Association of Social Workers' Code of Ethics.

Students admitted to the program may not receive credit toward the BSW degree for life experience or previous work experience. Internship credits received in associate degree programs may not be applied towards the BSW Field Education requirements.

BSW program graduates begin their careers in a variety of public and private social service agency settings such as child welfare, mental health, drug and alcohol programs, hospitals, nursing homes, neighborhood centers, and day care centers. Many enter graduate schools of Social Work where they may apply for advanced standing based on the accredited status of this program. Advanced standing allows students to complete an M.S.W. in one calendar year rather than two, if attending classes full-time. Additionally, accreditation by the Council on Social Work Education provides access to licensing examinations in those states that regulate social work practice at the baccalaureate level.

### **Program Requirements: Social Work, (B.S.W.) 120 s.h.**

- ANH 1101 - CULTURAL ANTHROPOLOGY  
(May also satisfy General Education requirements)
- BSC 1104 - HUMAN BIOLOGY  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SOC 2232 - AMERICAN FAMILY SYSTEMS
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SWK 2247 - SOCIAL WORK PROGRAM ORIENTATION
- SWK 2248 - SOCIAL WORK VALUES AND ETHICS
- SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS
- SWK 2251 - INTRODUCTION TO SOCIAL WORK
- SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT
- SWK 3308 - EVALUATION RESEARCH
- SWK 3315 - EVOLUTION OF SOCIAL WELFARE IN AMERICA
- SWK 3330 - SOCIAL POLICY
- SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS
- SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS
- SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES
- SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS
- SWK 4452 - FIELD EDUCATION
- SWK 4453 - FIELD SEMINAR

**Total Semester Hours: 67**

## Sociology/Anthropology

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Offered by the Department of Social Work, Anthropology and Sociology

Professor Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Molla, Richmond

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Sociology is the scientific study of human social behavior. Sociologists study the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behavior. Focus is given to the understanding of group or other collective factors in human behavior.

Anthropology is the study of humankind. To incorporate all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the study of the biological evolution of humans; Archaeology, the study of the evolution of culture; Linguistic Anthropology, the study of human languages; and Cultural Anthropology, the study of the variations and similarities of human behavior cross-culturally. The department offers introductory courses in all four subdisciplines but the major focus is in cultural anthropology.

The major in Sociology/Anthropology prepares students for a variety of careers in our increasingly multi-cultural society through critical thinking and evaluation, and appropriate research methods and analysis. The major is especially strong in social science research methods for which there is an ample job market. Students are encouraged to choose a concentration in either Sociology or Anthropology, but a broad based, liberal education in both and interdisciplinary studies outside the department is strongly recommended. The program is designed to allow students maximum flexibility to pursue their interests and career goals and combines easily with minors in other disciplines.

A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. In addition, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

### **Program Requirements: Sociology/Anthropology (B.A.): 120 s.h.**

- ANH/SOC - 1000/2000 Electives Credits: 9
- ANH/SOC - 3000/4000 Electives Credits: 9
- 3000/4000 - Humanities or Social Science Electives Credits: 6
- ANH 1101 - CULTURAL ANTHROPOLOGY  
(May also satisfy General Education requirements)
- ANH 3311 - ETHNOGRAPHIC RESEARCH
- SOC 1101 - INTRODUCTION TO SOCIOLOGY  
(May also satisfy General Education requirements)
- SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS



**One of the following:**

- ANH 4480 - ANTHROPOLOGICAL THEORY
- or
- SOC 4480 - SOCIOLOGICAL THEORY

**One of the following:**

- ANH 4490 - FIELD STUDY
- or
- SOC 4497 - INDEPENDENT STUDY

**Total Semester Hours: 43-54**

## Spanish

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Whether you are interested in a language-intensive career (such as a translator, interpreter, teacher or professor of languages, regional area specialist, or international businessperson) or whether you are looking to enhance your career portfolio with language skills and cultural awareness, the undergraduate coursework in Spanish that you receive at Mansfield University will make you a more attractive candidate. Since there are 430 million native speakers of Spanish (making Spanish the third most commonly spoken language in the world) and over 36 million Hispanics live in the United States (making it our nation's second language), Spanish is an important asset to have. Knowing Spanish will enhance your marketability.

The English and Modern Languages Department at Mansfield University offers two programs of study in Spanish, the B.A. and B.S.E, as well as the possibility of acquiring a minor or double major in Spanish. Both programs of study include courses in structure, phonetics and pronunciation, culture and civilization, and literature.

By graduation, our students will have taken at least 34 semester hours in their Spanish major and will have been encouraged to seek opportunities to communicate in Spanish outside the classroom, to make contact with the growing Hispanic-American cultures, and/or to have traveled and studied abroad.

We have found that these types of experience are beneficial to both professional and educational candidates. And we have seen that students seeking these opportunities tend to achieve a better understanding of the many Spanish speaking cultures and find themselves in much stronger positions in their career pursuits. To date, our students have taken part in exchange programs in Costa Rica, Ecuador, Mexico, Chile, Uruguay, Argentina, and Spain.

While studying Spanish at Mansfield University, students find themselves learning in classrooms superiorly equipped with modern teaching technology —technology that enhances their learning graphically, acoustically, and interactively. And, throughout their program of study, students have access to the Modern Language Center. On a daily basis, students are able to practice their communication skills in a comfortable 30 seat language center that is outfitted with high-end PCs and a T1 line internet connection.

Indeed, the center's webpage and student staff are conveniently available to guide students in their learning process, whether this means help increasing informational literacy or becoming more proficient with language-based software, the digitized audio materials of the Virtual Language Lab, and/or other media/web resources.

**Program Requirements: Spanish (B.A.): 120 s.h.**

- ENG 2225 - ENGLISH GRAMMAR
- SPA 2201 - INTERMEDIATE SPANISH I  
(May also satisfy General Education requirements)
- SPA 2202 - INTERMEDIATE SPANISH II  
(May also satisfy General Education requirements)
- SPA 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- SPA 2225 - SPANISH GRAMMAR REVIEW
- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN  
(May also satisfy General Education requirements)
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA  
(May also satisfy General Education requirements)
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA
- SPA xxxx - Spanish electives (at least 6 credits must be at the upper level)

**Total Semester Hours: 36**

## Spanish Education

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Whether you are interested in a language-intensive career (such as a translator, interpreter, teacher or professor of languages, regional area specialist, or international businessperson) or whether you are looking to enhance your career portfolio with language skills and cultural awareness, the undergraduate coursework in Spanish that you receive at Mansfield University will make you a more attractive candidate. Since there are 430 million native speakers of Spanish (making Spanish the third most commonly spoken language in the world) and over 36 million Hispanics live in the United States (making it our nation's second language), Spanish is an important asset to have. Knowing Spanish will enhance your marketability.

The English and Modern Languages Department at Mansfield University offers two programs of study in Spanish, the B.A. and B.S.E., as well as the possibility of acquiring a minor or double major in Spanish. Both programs of study include courses in structure, phonetics and pronunciation, culture and civilization, and literature. All Spanish teaching education candidates must take the ACTFL Oral Proficiency Interview and reach a minimum of Advanced Low before doing their student teaching.

By graduation, our students will have taken at least 34 semester hours in their Spanish major and will have been encouraged to seek opportunities to communicate in Spanish outside the classroom, to make contact with the growing Hispanic-American cultures, and/or to have traveled and studied abroad.

We have found that these types of experience are beneficial to both professional and educational candidates. And we have seen that students seeking these opportunities tend to achieve a better understanding of the many Spanish speaking cultures and find themselves in much stronger positions in their career pursuits. To date, our students have taken part in exchange programs in Costa Rica, Ecuador, Mexico, and Spain.

While studying Spanish at Mansfield University, students find themselves learning in classrooms superiorly equipped with modern teaching technology—technology that enhances their learning graphically, acoustically, and interactively. And, throughout their program of study, students have access to the Modern Language Center. On a daily basis, students are able to practice their communication skills in a comfortable 30 seat language center that is outfitted with high-end PCs and a T1 line internet connection. Indeed, the center's webpage and student staff are conveniently available to guide students in their learning process, whether this means help increasing informational literacy or becoming more proficient with language-based software, the digitized audio materials of the Virtual Language Lab, and/or other media/web resources.

### **Program Requirements: Spanish Education (B.S.E.) 120 s.h.**

- ENG 2225 - ENGLISH GRAMMAR
- SPA 2201 - INTERMEDIATE SPANISH I  
(May also satisfy General Education requirements)
- SPA 2202 - INTERMEDIATE SPANISH II  
(May also satisfy General Education requirements)
- SPA 2205 - PHONETICS AND PRONUNCIATION  
(May also satisfy General Education requirements)
- SPA 2225 - SPANISH GRAMMAR REVIEW
- SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES
- SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN  
(May also satisfy General Education requirements)
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA  
(May also satisfy General Education requirements)
- SPA 3310 - INTRODUCTION TO LITERARY STUDIES
- SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA
- And SPA xxxx-Spanish electives Credits: 6

### **Education related classes: 41 s.h.**

- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- ED 3260 - ASSESSMENT IN EDUCATION
- ED 3310 - CONTENT AREA READING AND WRITING
- ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES
- ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY
- ED 4400 - STUDENT TEACHING
- ED 4460 - PROFESSIONAL SEMINAR
- HST 2201 - UNITED STATES HISTORY TO 1877  
(May also satisfy General Education requirements)

or

- HST 2202 - UNITED STATES HISTORY SINCE 1877  
(May also satisfy General Education requirements)
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**Total Semester Hours: 80**

## Special Education

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

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### Certification Requirements

Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "Teacher Education Certification."

The special education program prepares students to work with exceptional individuals through prescriptive teaching and practicum courses. Students who complete the special education program receive a Bachelor of Science in Education degree and a Pennsylvania Instructional 1 teaching certificate. This comprehensive certificate allows students to teach children from kindergarten through 12th grade (K-12) who are disabled in the areas of mental retardation, emotional disturbance, autism, physical disability, learning disability and brain injury. Many special education majors also pursue graduate studies after obtaining their undergraduate degree.

### Program Requirements: Special Education (B.S.E.) 120 s.h.

- ED 1102 - INTRODUCTION TO EDUCATION  
(Pre-gate course – see "Teacher Education Certification" section)
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(Pre-gate course – see "Teacher Education Certification" section)
- ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I
- ELE 3384 - TEACHING ELEMENTARY MATHEMATICS
- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- PSY 3292 - CHILD PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION  
(Pre-gate course – see "Teacher Education Certification" section)
- SPE 3270 - MENTALLY AND PHYSICALLY DISABLED
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS
- SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT
- SPE 3290 - LEARNING DISABILITIES

- SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT
- SPE 3351 - BEHAVIOR MANAGEMENT
- SPE 3370 - EARLY CHILDHOOD DISABILITIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES
- SPE 4400 - STUDENT TEACHING
- SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED
- SPE 4440 - METHODS FOR INDIVIDUALS WITH MODERATE/SEVERE DISABILITIES
- SPE 4460 - PROFESSIONAL SEMINAR

**Total Semester Hours: 68**

## Special Education with Second Certification in Elementary Education

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Offered by the Department of Education and Special Education

Professors: Cleland, Straub, Burns

Associate Professors: Benjamin, Carico, Fuller, Floyd, Hammann, Lucero, Smith, Werner-Burke

Assistant Professors: Moore

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### Certification Requirements

Mansfield University teacher education programs are approved by the Pennsylvania Department of Education (PDE) and nationally accredited by the National Council for Accreditation of Teacher Education (NCATE). Candidates for teaching certification in Pennsylvania must meet state requirements described in Chapter 354 regulations. A description of requirements, policies, and procedures for teacher certification can be found in the catalog section entitled, "Teacher Education Certification."

The special education program prepares students to work with exceptional individuals through prescriptive teaching and practicum courses. Students who complete the special education program receive a Bachelor of Science in Education degree and a Pennsylvania Instructional 1 teaching certificate. This comprehensive certificate allows students to teach children from kindergarten through 12th grade (K-12) who are disabled in the areas of mental retardation, emotional disturbance, autism, physical disability, learning disability and brain injury. Many special education majors also pursue graduate studies after obtaining their undergraduate degree.

### Program Requirements: Special Ed. (B.S.E.) with second certification in Elementary Ed. 135 s.h.

- ED 1102 - INTRODUCTION TO EDUCATION  
(Pre-gate course – see "Teacher Education Certification" section)
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
(Pre-gate course – see "Teacher Education Certification" section)
- ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I
- ELE 3384 - TEACHING ELEMENTARY MATHEMATICS
- ELE 3386 - TEACHING ELEMENTARY SOCIAL STUDIES
- ELE 3387 - TEACHING ELEMENTARY SCIENCE AND TECHNOLOGY
- ELE 3395 - CREATIVE EXPERIENCES IN ELEMENTARY TEACHING
- ELE 4403 - TEACHING ELEMENTARY LANGUAGE ARTS
- ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY  
(May also satisfy General Education requirements)
- SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION  
(Pre-gate course – see “Teacher Education Certification” section)
- SPE 3270 - MENTALLY AND PHYSICALLY DISABLED
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS
- SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT
- SPE 3290 - LEARNING DISABILITIES
- SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT
- SPE 3351 - BEHAVIOR MANAGEMENT
- SPE 3370 - EARLY CHILDHOOD DISABILITIES
- SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION
- SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES
- SPE 4400 - STUDENT TEACHING
- SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED
- SPE 4440 - METHODS FOR INDIVIDUALS WITH MODERATE/SEVERE DISABILITIES
- SPE 4460 - PROFESSIONAL SEMINAR

**Total Semester Hours: 80**



# MINORS

## Accounting Minor

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Offered by the Department of Business and Economics

Professors Carpenter, Kuty, Solan, Yacovissi

Associate Professors Dugan, Gaballa, Ghods

Assistant Professor Havalchak

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Most aspects of life are touched in some way by the business world: retailing, education, banking services, real estate, health care, and many others. Some of the career choices of Mansfield University Business and Economics graduates are accountants, CPA, CMA, professional salespersons, bank managers, government economists, financial planners, advertising executives, health service administrators, hotel sales and marketing managers, and meeting and conference planners. If these careers sound interesting, the study of Business and Economics at Mansfield University will open up the world of business to you.

The department offers baccalaureate degree programs in business and economics. The blend of general education and professional business education provides students with much needed skills, knowledge, values and ethics needed in today's business environments.

Concentrations within the business administration degree include: Accounting, General Business, International Business, Management, and Marketing. The Accounting emphasis provides students with a strong background in business, as well as in accounting. Accounting students can step into a diverse range of career and graduate school options. Students entering the General Business emphasis are advised to discuss their goals with their academic advisor who will help them choose courses that will prepare them to be competitive in their specific area of business. The International Business emphasis builds understanding and appreciation for the global environment. The Marketing emphasis takes a solid business core as a foundation and adds a variety of marketing courses that prepare students for career opportunities in marketing related disciplines.

There is flexibility built into the design of the four-year degree programs to permit internships and minor studies. There is room to meet the individual needs and interest of students in the course work they select.

The Department offers minors in Accounting, Business Administration, Management, Marketing, Economics, and Travel and Tourism. The Department also has a two-year degree program in Travel and Tourism. The two-year program is designed to be transferable to the four-year track should students decide to pursue the four-year degree.

### Program Requirements 18 s.h.

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- ACC 1111 - PRINCIPLES OF ACCOUNTING II
- ACC 3310 - INTERMEDIATE ACCOUNTING I
- ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING

### And 6 credit hours from the following:

- Any accounting course

## African-American Studies Minor

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Offered by the Department of English and Modern Languages

English Faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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The African American Studies minor offers students the opportunity to study African American culture from a multidisciplinary perspective. The minor seeks to prepare students to meet the challenges of an increasingly diverse workplace, society, and world.

### Program Requirements 18 s.h.

The African-American minor is designed for students interested in the literary, historical, artistic, and sociological significance of African-American culture. It is a structured and interdisciplinary course of study.

#### Humanity - Choose 3 credit hours from the following:

- ENG 2220 and ENG 3320 must have an African-American topic
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3327 - AFRICAN AMERICAN LITERATURE
- HST 3310 - AFRO-AMERICAN EXPERIENCE
- HST 3388 - HISTORY OF AFRICA

#### Social Sciences or Fine Arts - Choose 3 credit hours from the following:

- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART
- SOC 2200 - AMERICAN MINORITIES
- SOC 3306 - INTERRACIAL SEMINAR

#### Capstone: Choose 3 credit hours from the following:

- ENG 4401 and HST 4452 must have an African-American topic
- ENG 4401 - SEMINAR IN LITERARY STUDIES
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4496 - SEMINARS ON SELECTED TOPICS
- Any 4497 or 4000 level course designated as an African or African-American Capstone course.

#### Electives

Take three courses from the following:

- ENG 3305 and ENG 3307 must have an African-American topic
- SPE 3275 is by instructor permission
- May also take any of the Core courses listed above not used to meet requirements
- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 2885 - CULTURE, HEALTH AND DISEASE
- ANH 3301 - WORLD CULTURES
- ARH 3320 - ART OF AFRICA AND OCEANIA
- ARH 3331 - HISTORY OF MODERN ART
- ART 2238 - MULTICULTURAL CRAFTS
- ART 3338 - MULTICULTURAL CRAFTS
- BUS 3310 - MANAGING DIVERSITY
- CJA 3261 - COMMUNITY POLICING
- ENG 3305 - COMPARATIVE LITERATURE



- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- MU 3301 - WORLD MUSICS
- PSY 3310 - SOCIAL PSYCHOLOGY
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

## Anthropology Minor

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Offered by the Department of Social Work, Anthropology and Sociology

Professors Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Richmond

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Sociology is the scientific study of human social behavior. Sociologists study the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behavior. Focus is given to the understanding of group or other collective factors in human behavior.

Anthropology is the study of humankind. To incorporate all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the study of the biological evolution of humans; Archaeology, the study of the evolution of culture; Linguistic Anthropology, the study of human languages; and Cultural Anthropology, the study of the variations and similarities of human behavior cross-culturally. The department offers introductory courses in all four subdisciplines but the major focus is in cultural anthropology.

The major in Sociology/Anthropology prepares students for a variety of careers in our increasingly multi-cultural society through critical thinking and evaluation, and appropriate research methods and analysis. The major is especially strong in social science research methods for which there is an ample job market. Students are encouraged to choose a concentration in either Sociology or Anthropology, but a broad based, liberal education in both and interdisciplinary studies outside the department is strongly recommended. The program is designed to allow students maximum flexibility to pursue their interests and career goals and combines easily with minors in other disciplines.

A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. In addition, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

### Program Requirements 18 s.h.

The Anthropology minor is designed to complement majors in the social sciences, humanities, and professional studies which train students to work with people who have backgrounds different from their own. Interest, however, is also a good reason.

- 6 credit hours from 1000 & 2000 level ANH courses by advisement
- 9 credit hours from 3000 & 4000 level ANH courses by advisement
- ANH 1101 - CULTURAL ANTHROPOLOGY

## Art History Minor

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Offered by the Department of Art

Professor Kutbay

Assistant Professors Hamad, and Whitehouse, Assistant Chairperson

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The Art Department offers two baccalaureate degrees: B.S.E. in Art Education and B.A. in Art History. The art education program guides prospective teachers to meet general education requirements, to develop skills in three studio clusters with a concentration in one area, and to provide a rich foundation in studio art production skills, art history, aesthetics, criticism, theory and practice of art education. Upon satisfactory completion of the program, the graduate is qualified to teach in the elementary and secondary schools. Graduating students must successfully complete the Praxis examinations both in general studies and their area of specialization to be certified to teach in Pennsylvania.

Incoming freshman and transfer students must successfully complete an interview and portfolio review conducted by art faculty. Portfolios must be submitted under the Art Department guidelines (see Art Dept. web page). Deadlines are: Fall admittance prior to April 30th; Spring admittance prior to November 15th.

### Program Requirements 18 s.h.

- A minimum of 18 to a maximum of 24 credits constitutes a minor.
- 15 S.H. from ART 3300 and any art history
- ARH 1101 - INTRODUCTION TO ART
- ARH 3320 - ART OF AFRICA AND OCEANIA
- ARH 3321 - ANCIENT AND MEDIEVAL ART
- ARH 3322 - ART OF THE RENAISSANCE
- ARH 3323 - BAROQUE AND ROCOCO ART
- ARH 3324 - NATIVE ARTS OF THE AMERICAS
- ARH 3326 - ORIENTAL ART
- ARH 3327 - HISTORY OF PRINTS
- ARH 3328 - HISTORY OF ARCHITECTURE
- ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART
- ARH 3330 - HISTORY OF AMERICAN ART
- ARH 3331 - HISTORY OF MODERN ART
- ARH 3332 - THE ART OF ANCIENT EGYPT
- ARH 4401 - CULTURAL ORIGINS OF ART
- ARH 4407 - EMPIRES OF THE WORLD THROUGH ART
- ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE
- ARH 4409 - WOMEN IN ART
- ARH 4410 - WOMEN IN ANCIENT GREEK ART
- ARH 4497 - INDEPENDENT STUDY
- ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES

## Biology Minor

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Offered by the Department of Biology

Professors Flesch (chairperson), Kirby, Maris, Soderberg, Sternick

Associate Professors: Hensley

Assistant Professors: Clifford, Kagle, Stein

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The Department of Biology offers three degrees and two concentrations leading to the baccalaureate degree. The department also offers a minor in biology.

Programs leading to the B.S. degree give a solid liberal arts background and a foundation science courses in botany, zoology, cell biology, ecology, chemistry, physics and mathematics. With close advisement you may concentrate in any one of several areas: botany, physiology, ecology, and cellular biology, among others. A unique feature of all biology degrees is the requirement to complete an undergraduate research project. These programs meet the minimum requirements for medical schools. The biology program is excellent preparation for graduate school. Many biology graduates become technicians in hospitals and research laboratories. Others go into sales positions with medical and pharmaceutical supply companies, while still others find employment in the environmental and ecological fields.

Those students preparing for a career in medicine may meet the minimum requirements of medical, dental, chiropractic, veterinary, and physical therapy schools with proper course selection under the B.S. degree.

### **Program Requirements 20 s.h.**

The minor in biology is designed to broaden and expand the knowledge of students especially those in biology-related curricula. The requirements for a minor are a total of at least 20 hours of semester credit.

- BI xxxx - Biology Electives (2000 level and higher) Credits: 8
- BI 1110 - ZOOLOGY
- BI 1130 - BOTANY
- BI 3370 - CELL BIOLOGY

## **Business Administration Minor**

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Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan, Yacovissi

Associate Professors Dugan, Gaballa, Ghods

Assistant Professor Havalchak

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The minor in Business Administration provides an overview of business concepts for students not majoring in business administration. A business minor provides valuable insight regarding business to students who will conduct themselves in a business environment.

### **Program Requirements 18 s.h.**

- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- FIN 3301 - INTRODUCTION TO FINANCE
- MGT 2230 - MANAGEMENT PRINCIPLES
- MKT 3330 - MARKETING

## Canadian Studies Minor

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Offered by the Department of Philosophy  
 Professors Newman (chairperson), Timko, Young  
 Assistant Professor McEvoy

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Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Department.

### Canadian Studies

The formal study of Canada is a critical element in the education of the next generation of leaders, providing a significant, accessible avenue for understanding global interdependence and multicultural environments. Moreover, with Canada and the United States as each other's largest trading partner, learning about Canada as a foreign market makes increasingly good economic sense, especially as international job mobility increases. The Canadian Studies minor provides the student with an interdisciplinary approach to understanding the history, literature, economics, politics, business, fine arts, educational systems, and the physical and cultural environments of our northern neighbor. Building on the theoretical and practical content of the core course, the student selects courses from across the curriculum wherever Canadian content or perspectives are designated.

### Program Requirements 18 s.h.

- Directed discipline related elective \*\* Credits: 3  
(Art History, English, French, History, Philosophy Or Women's Studies)
- Directed discipline related elective \*\* Credits: 3  
(Anthropology, Business, Communications, Economics, Geography, Journalism, Political Science, Social Work, Travel and Tourism)
- Open Electives \*\* Credits: 6
- CDN 1101 - INTRODUCTION TO CANADA  
(May also satisfy General Education requirements)
- CDN 4450 - INTERNSHIP  
or
- CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES

\*\* Must contain at least 30% Canadian content or 30% of final grade must be based on a Canadian research project

## Chemistry Minor

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Offered by the Department of Chemistry and Physics  
 Professors Ramasamy (chairperson) Davis  
 Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky  
 Assistant Professor Kiessling  
 Instructor Tandon

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The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. The Department of Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

### Minors:

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, physics, or forensics and thereby broaden their background as they acquire marketable skills.

### Program Requirements 22-24 s.h.

The department of Chemistry and Physics offers a minor in chemistry to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry and thereby broaden their background as they acquire marketable skills.

- CHM xxxx - Chemistry Elective Credits: 6-8  
(3300 or 4400 level, except CHM 4410, 4490, or 4497)
- CHM 1111 - GENERAL CHEMISTRY I
- CHM 1112 - GENERAL CHEMISTRY II
- CHM 3301 - ORGANIC CHEMISTRY I
- CHM 3302 - ORGANIC CHEMISTRY II

## Communication Minor

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Offered by the Department of Communication and Theatre

Professor Young

Associate Professors Hoy, Longoria, Wright, L. (chairperson)

Assistant Professors Bernum, Crum, Pieper

Instructors Lohrey, Mason, McIntyre

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### Program Requirements 18 s.h.

A minor in communication is available for students who want to communicate effectively in a variety of situations, understand the theory of communication, and explore global diversity as they interact in interpersonal and organizational settings.

- COM 3325 - INTERPERSONAL COMMUNICATION
- COM 3360 - ORGANIZATIONAL COMMUNICATION

#### Choose 6 s.h. from:

(as approved)

- COM 2200 - ORAL INTERPRETATION
- COM 2203 - VOICE AND ARTICULATION
- COM 3330 - PARLIAMENTARY PROCEDURE
- COM 3334 - GENDER AND COMMUNICATION
- COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION

**Choose 6 s.h. from:**

(as approved)

- COM 4400 - COMMUNICATION THEORY
- COM 4401 - PERSUASION
- COM 4425 - PUBLIC COMMUNICATION
- COM 4440 - COMMUNICATION LAW
- COM 4450 - SPECIAL PROJECTS

## Computer Science Minor

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Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (chairperson), Lienhard

Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye

Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

### Program Requirements 18 s.h.

The Computer Science minor provides a strong background in computation and programming for students majoring in a technical, scientific, or mathematical area. See also General Computing Minor and Information Systems minor.

- CIS 3000/4000 CIS Electives Credits: 6
- CIS 1104 - COMPUTER SCIENCE I
- CIS 2204 - COMPUTER SCIENCE II
- CIS 3301 - DATA STRUCTURES
- CIS 3330 - COMPUTER ORGANIZATION

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# Creative Writing Minor

Offered by the Department of English and Modern Languages

English Faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

Students majoring in English study literature and practice various modes of writing to help them discover and articulate their ideas as completely and cogently as possible. Courses offered for the major emphasize research skills, critical thinking, and problem solving as essential parts of the composing and interpreting process. Students pursuing the English curriculum receive training in literary analysis and are offered a broad background history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and learn to situate literary works in their historical and cultural contexts.

Students may pursue either a B.A. (Liberal Arts) or B.S.E. (Secondary English Education) program. The programs are designed to afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in law, public relations, editing, communications, civil service, industry, and library science. Students in the B.S.E. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

The English department also offers three minors: Creative Writing, English Literature, and Women's Studies. Students in the English B.A. and B.S.E. programs must complete study of a foreign language through the 2202 level. In addition, they may wish to complete a minor in Creative Writing, or Women's Studies as a way of adding a content emphasis to their undergraduate course of study.

## Program Requirements 15 s.h.

15 credits minimum (beyond the required composition courses) to include:

### Core Requirement

- ENG 2202 - CREATIVE WRITING  
Fiction Writing or Intro to Poetry Writing (Choose one)
- ENG 3312 - INTRO TO FICTION WRITING  
or
- ENG 3314 - INTRO TO POETRY WRITING
- ENG 3316 - CREATIVE NON-FICTION PROSE WRITING  
Adv. Fiction Writing, Adv. Poetry Writing, Creative NFP, or Novel Writing (choose one)
- ENG 4411 - ADVANCED FICTION WRITING  
or

- ENG 4412 - ADVANCED POETRY WRITING  
or
  - ENG 4416 - NOVEL WRITING
- 6 credit hours of creative writing electives, may include:
- ENG 3332 - NATURE WRITING
  - Or any of the courses listed above

## **Criminal Justice Administration Minor**

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Offered by the Department of Criminal Justice Administration  
Professor Ryan

Associate Professors Robarge (chairperson), Thornsley

Instructors: Judge John Leete, Judge John Mott, and Sergeant Bruce Stayments

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The Department of Criminal Justice Administration offers programs of study leading to the following degrees: B.S. in Criminal Justice Administration, A.S. in Criminal Justice Administration, and a minor. CJA provides a systems-based background with a core curriculum covering the criminal justice areas of law enforcement, courts, corrections and juvenile delinquency. Depending on a particular career interest, courses may also be selected from the following areas: police administration, investigation and interrogation, criminalistics, private security, criminology, criminal law, serial murder, organized crime, white collar crime and juvenile justice administration.

Upon departmental approval, internships can be taken at federal, state, or local criminal justice agencies anywhere in the United States.

Career areas: Our CJA graduates are employed by U.S. Immigration, DEA, FBI, Secret Service, U.S. Marshals Office and Federal Bureau of Prisons. Numerous graduates work in state and municipal law enforcement agencies, correctional facilities, probation, parole, juvenile justice, and private security settings. Many graduates have also been successful in pursuing graduate and law degrees.

### **Program Requirements 18 s.h.**

- CJA xxxx - CJA Electives (upper level) Credits: 9
- CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE
- CJA 2200 - SURVEY OF POLICING
- CJA 2201 - SURVEY OF CORRECTIONS

## **Economics & Finance Minor**

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Offered by the Department of Business and Economics  
Professors Carpenter, Kutty, Solan, Yacovissi

Associate Professors Dugan (chairperson), Gaballa, Ghods

Assistant Professor Havalchak

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The Department of Business & Economics offers a minor in Economics and Finance to all students who complete the requirements. The minor, while not a degree program, is designed to broaden and expand student understanding of Economics and Finance.



**Program Requirements 21 s.h.**

- ECO XXXX or FIN XXXX - Economics & Finance Electives Credits: 6 (3000 or 4000 level)
- ECO 1101 - PRINCIPLES OF MACROECONOMICS
- ECO 1102 - PRINCIPLES OF MICROECONOMICS
- FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS

**Take one course from the following:**

- ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY  
or
- ECO 4485 - MANAGERIAL ECONOMICS

**Take one course from the following:**

- ECO 3333 - INTERNATIONAL ECONOMICS  
or
- FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT

**Education Minor**

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**Program Requirements 15 s.h.**

The minor in education provides an overview of the field of education and of the dynamics of teaching and learning. This minor is restricted to previous education majors who have successfully completed Gate 1 requirements as defined by Chapter 354.

- 6 s.h. of 3000/4000 coursework with any combination of ED, ELE, or SPE prefixes.
- ED 1102 - INTRODUCTION TO EDUCATION
- ED 2205 - EDUCATIONAL PSYCHOLOGY  
or
- ELE 2220 - CHILD DEVELOPMENT
- SPE 3275 - INCLUSION OF DIVERSE LEARNERS

**English Literature Minor**

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Offered by the Department of English and Modern Languages  
English Faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Students majoring in English study literature and practice various modes of writing to help them discover and articulate their ideas as completely and cogently as possible. Courses offered for the major emphasize research skills, critical thinking, and problem solving as essential parts of the composing and interpreting process. Students pursuing the English curriculum receive training in literary analysis and are offered a broad background history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and learn to situate literary works in their historical and cultural contexts.

Students may pursue either a B.A. (Liberal Arts) or B.S.E. (Secondary English Education) program. The programs are designed to afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in law, public relations, editing, communications, civil service, industry, and library science. Students in the B.S.E. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

The English department also offers three minors: Creative Writing, English Literature, and Women's Studies. Students in the English B.A. and B.S.E. programs must complete study of a foreign language through the 2202 level. In addition, they may wish to complete a minor in Creative Writing, or Women's Studies as a way of adding a content emphasis to their undergraduate course of study.

### **Program Requirements 18 s.h.**

- 18 credits minimum (beyond the required composition courses) to include:
- ENG 1130 - INTRODUCTION TO LITERARY STUDIES
- ENG 3268 - SURVEY OF BRITISH LITERATURE I  
or
- ENG 3269 - SURVEY OF BRITISH LITERATURE II
- ENG 3278 - SURVEY OF AMERICAN LITERATURE I  
or
- ENG 3280 - SURVEY OF AMERICAN LITERATURE II

### **English Electives**

- 9 credit hours of upper division English Electives. Credits: 9

## **Environmental Studies Minor**

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Offered by the Department of History and Political Science  
 Professor Guenther (chairperson)  
 Associate Professors Bosworth, Chua, Gaskiewicz  
 Assistant Professors Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

## Program Requirements 21-22 s.h.

The environmental studies minor allows students of all majors to engage in a fully interdisciplinary course of study focused on the relationship between people and the natural world. This enterprise is designed to deepen understanding of the humanities and the sciences and to suggest ways those disciplines can be integrated. This minor will also help students to be more effective citizens in a world where the earth's population of 6 billion is projected to double during their lifetimes and the demand for resources will increase.

### Take GEG 1122

- GEG 1122 - ENVIRONMENTAL ISSUES

### Take one course from the following:

- BSC 1103 - ENVIRONMENTAL BIOLOGY
- CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
- GEL 1102 - ENVIRONMENTAL GEOLOGY

### Take ES 3300

- ES 3300 - HUMANS IN NATURE

### Social Elective

- Take one course from the following:  
HST 3294, HST 3295, HST 3296, and HST 4496 must be offered on an environmental studies topic
- GEG 1102 - HUMAN GEOGRAPHY
- GEG 1600 - INTRODUCTION TO WATERSHED MANAGEMENT
- GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA
- HST 3294 - TOPICS IN AMERICAN HISTORY
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 3296 - TOPICS IN EUROPEAN HISTORY
- HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT
- HST 4406 - THE WESTWARD MOVEMENT IN AMERICA
- HST 4496 - SEMINARS ON SELECTED TOPICS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3365 - SCIENCE AND VALUES

### Creative Elective

- Take one course from the following:  
PHL 3300 must have an environmental component
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- ENG 3332 - NATURE WRITING
- PHL 3300 - PHILOSOPHY OF THE ARTS

### Natural Elective

- Take one course from the following:
  - BI 3318 - ORNITHOLOGY
  - BI 3331 - LOCAL FLORA
  - BI 3350 - ECOLOGY
  - BI 3351 - LIMNOLOGY
  - BI 3381 - ENVIRONMENTAL MICROBIOLOGY
  - BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT
  - BI 4498 - SEMINAR IN ENVIRONMENTAL SCIENCE
  - BSC 2250 - FIELD METHODS IN ENVIRONMENTAL BIOLOGY
  - CHM 1103 - CHEMISTRY AND THE ENVIRONMENT
  - GEG 1111 - PHYSICAL GEOGRAPHY

- GEG 3312 - WEATHER AND CLIMATE
- GEG 3321 - (GEL) GEOMORPHOLOGY
- GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY
- GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 3310 - HYDROLOGY
- GEL 3321 - GEOMORPHOLOGY

**Take ES 4497**

- ES 4497 - INDEPENDENT STUDY

## Forensic Science Minor

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Offered by the Department of Chemistry and Physics

Professors Ramasamy (chairperson), Davis

Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky

Assistant Professor Kiessling

Instructor Tandon

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The Department of Chemistry and Physics offers two programs which lead to the baccalaureate degree with a major in physics. Minors in Chemistry, Physics, and Forensic Science are available as further options.

**Minors:**

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, physics, or forensics and thereby broaden their background as they acquire marketable skills.

**Program Requirements 19 s.h.**

The department of Chemistry and Physics offers a minor in forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to introduce relevant introductory chemistry, biochemistry and physics to give students sufficient background so that they can to understand their application in forensic science. In addition, the student will develop an understanding of the legal implications involved in evidence collection and presentation.

- CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL
- CHM 3264 - CHEM MTDS FOREN SCI
- CJA 3262 - INVESTIGATION AND INTERROGATION  
or
- CJA 3336 - CRIMINALISTICS
- PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE
- SCI 1104 - FORENSIC SCIENCE
- SCI 1107 - PHYSICAL SCIENCE I  
(May also satisfy General Education requirements)  
or
- SCI 1108 - PHYSICAL SCIENCE II

## French Minor

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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The Language and Literature department offers B.A. and B.S.E degrees in French. The French program at Mansfield is small, but it provides very close contact with highly qualified faculty and a record of successful placement of students in study or work possibilities abroad.

A Mansfield major, dual major, or minor in French can increase a student's job prospects. A U. S. State Department study shows that over 50% of international jobs require or prefer candidates to know French, because the language is spoken by 125 million people in forty countries and on every continent. France is the #1 tourist destination in the world, and French is an official language of neighboring Canada, America's primary trading partner. Over 1,200 French companies have subsidiaries in the United States, and France is the largest recipient of American foreign investment. Over twenty African countries use French for government and business, and French is an official language of many international organizations, including the Red Cross, the United Nations, the World Health Organization, UNESCO, and the International Olympic Committee.

Because French is the language of so many literary masterpieces (*Les Misérables*, *The Count of Monte Cristo*, *The Little Prince*) and philosophers (Descartes, Rousseau, Sartre) as well as of mathematicians and scientists, and because France is such a prolific producer of international films, a knowledge of French offers students advantages in applying to graduate schools in the humanities, the arts, the sciences, the social sciences, law, medicine, and other areas.

Some students combine a major or minor in French with one in business, English, history, biology, or another field. Some students do honors work in French.

French majors and minors study in classrooms using the latest teaching technology. They practice their French skills in a comfortable thirty-seat Modern Language Learning Center outfitted with high-end PCs and T1 line internet connection. The Center webpage and its student staff guide them in using language-based software, the digitized audio materials of the Virtual Language Lab, and other media and web resources.

Mansfield French majors and minors usually spend a semester or a year studying or working in a French-speaking country. The university has a student exchange program with the Institute of Political Science in Toulouse, France. Through its membership in ISEP (the International Student Exchange Program) Mansfield can place students at universities in France or in French-speaking countries around the world. MU graduates continue to participate in the French government-sponsored teaching assistantship program. So far six of them have spent up to nine months teaching English at elementary schools and high schools in France.

**Program Requirements 15 s.h.**

- FR xxxx - French electives numbered above 2202. Credits: 9
- FR 2201 - INTERMEDIATE FRENCH I
- FR 2202 - INTERMEDIATE FRENCH II

**General Computing Minor**


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Offered by the Department of Mathematics and Computer Information Science  
 Professors H. Iseri (chairperson), Lienhard  
 Associate Professors D'Ortona, Haner, Junius, Savoye  
 Assistant Professors Dietz, L. Iseri, McKee, Phillips, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

**Program Requirements 18 s.h.**

The General Computing minor provides a solid background in computing that is custom-tailored to the student's field of study. This minor is primarily intended for students in majors other than business, mathematics, and the sciences. See also Computer Science Minor and Information Systems Minor.

- 6 additional credit hours in computer related courses chosen in consultation with the departmental advisor.
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- 6 credit hours from the following:
  - CIS 1102 - VISUAL BASIC PROGRAMMING
  - CIS 1103 - INTRODUCTION TO MICROCOMPUTERS
  - CIS 1104 - COMPUTER SCIENCE I

## Geography Minor

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Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Associate Professors King, Thorne

Assistant Professor Demchak

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

Where things are located has always been of interest to geographers. But the more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

### Program Requirements 18 s.h.

#### Three of the following four classes:

- GEG 1101 - WORLD REGIONAL GEOGRAPHY
  - GEG 1102 - HUMAN GEOGRAPHY
  - GEG 1111 - PHYSICAL GEOGRAPHY
  - GEG 1122 - ENVIRONMENTAL ISSUES
- and
- GEG xxxx - GEG electives (upper level) Credits: 9

## Geology Minor

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Offered by the Department of Geography and Geology

Professor Dodson (chairperson)

Associate Professors King, Thorne

Assistant Professor Demchak

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

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answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Watershed Management, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

### **Program Requirements 18 s.h.**

- GEL xxxx - GEL electives (upper level) Credits: 12
- GEL 1102 - ENVIRONMENTAL GEOLOGY
- GEL 1121 - PHYSICAL GEOLOGY

## **German Minor**

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (chairperson),

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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A minor in German can be not only a valuable personal asset, but also a unique qualification on one's professional resume. There is no lack of excellent reasons to study German: travel, greatly increased job opportunities, graduate study, family background, literature, arts, science, and general intellectual development all come to mind. German is a vital language worldwide, widely spoken on all continents. German is the second most common language of the Internet and the third or fourth most popular foreign language world-wide.

Interested in business opportunities? A knowledge of German will greatly improve your chances in the job market. Germany has the third-highest economy and book publishing rate in the world.

Many of the greatest philosophers, scientists, composers, authors and artists of the modern era thought and wrote in German: Einstein, Freud, Nietzsche, Kant, Beethoven, Marx, Kafka, Goethe, and many more.

Mansfield German minors are free (and encouraged) to generally spend at least one semester studying in German-speaking country. MU has its own successful exchange program with the Friedrich-Schiller-Universität in Jena, Germany, as well as placements through ISEP (the International Student Exchange Program). Students at universities in Germany or other German-speaking countries.

For more information on studying German at Mansfield University, see the description under the German major.



**Program Requirements 15 s.h.**

- GER 2201 - INTERMEDIATE GERMAN I
- GER 2202 - INTERMEDIATE GERMAN II
- GER xxxx - German electives numbered above 2202. Credits: 9

**Gerontology Studies Minor**

Offered by the Department of Social Work, Anthropology and Sociology

Professors Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Richmond

Sociology is the scientific study of human social behavior. Sociologists study the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behavior. Focus is given to the understanding of group or other collective factors in human behavior.

Anthropology is the study of humankind. To incorporate all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the study of the biological evolution of humans; Archaeology, the study of the evolution of culture; Linguistic Anthropology, the study of human languages; and Cultural Anthropology, the study of the variations and similarities of human behavior cross-culturally. The department offers introductory courses in all four subdisciplines but the major focus is in cultural anthropology.

The major in Sociology/Anthropology prepares students for a variety of careers in our increasingly multi-cultural society through critical thinking and evaluation, and appropriate research methods and analysis. The major is especially strong in social science research methods for which there is an ample job market. Students are encouraged to choose a concentration in either Sociology or Anthropology, but a broad based, liberal education in both and interdisciplinary studies outside the department is strongly recommended. The program is designed to allow students maximum flexibility to pursue their interests and career goals and combines easily with minors in other disciplines.

A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. In addition, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

**Program Requirements 18 s.h.**

The Gerontology minor is designed for students interested in working with the aging population. The interdisciplinary minor offers students exposure to the sociological, psychological, and social work aspects of aging.

- PSY 3324 - ADULT DEVELOPMENT AND AGING
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

- SOC 3322 - SOCIOLOGY OF AGING
- SWK 3320 - GERONTOLOGY

**One of the following:**

- PSY 3290 - LIFE SPAN DEVELOPMENT  
or
- PSY 4421 - DEATH AND DYING  
or
- SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT

**One of the following:**

- PSY 4497 - INDEPENDENT STUDY  
or
- SOC 4497 - INDEPENDENT STUDY  
or
- SWK 4497 - INDEPENDENT STUDY

## History Minor

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Offered by the Department of History and Political Science  
Associate Professors Bosworth, Chua, Gaskiewicz, Guenther (chairperson)  
Assistant Professor Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

### Program Requirements 18 s.h.

- HST xxxx - HST electives (minimum 6 s.h. upper level) Credits: 12
- HST 1111 - WORLD CIVILIZATION TO 1350  
or
- HST 1112 - WORLD CIVILIZATION 1350-1900  
or
- HST 1113 - WORLD HISTORY SINCE 1900
- HST 2201 - UNITED STATES HISTORY TO 1877  
or
- HST 2202 - UNITED STATES HISTORY SINCE 1877

## Information Systems Minor

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Offered by the Department of Mathematics and Computer Information Science  
 Professors H. Iseri (chairperson), Lienhard  
 Associate Professors D'Ortona, Haner, Junius, Savoye  
 Assistant Professors Dietz, L. Iseri, McKee, Phillips, Sim

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The Department of Mathematics and Computer Information Science offers two baccalaureate degree programs in Computer Science, one with a concentration in Computer Science and the other with a concentration in Information Systems. There is also a two-year associate degree program in Information Systems. The B.S. Computer Science concentration focuses on the techniques and mathematical aspects of computing. The requirements are sufficient for majors to declare a minor in mathematics without any additional coursework.

The B.S. Information Systems concentration focuses on the system and business aspects of computing. Many students also declare a business-related minor or, with a modest number of additional courses, complete a dual major in Business Administration.

The A.S. Information Systems program also focuses on the system and business aspects of computing and is designed to let students easily switch to the B.S. Information Systems degree program.

There are three minors available in Computing: Computer Science, Information Systems, and General Computing. Students who major in one concentration can minor in the other with some additional course work. Also, students majoring in Computer Science may choose to do a dual major with Information Systems. Students majoring in Information Systems may choose to do a dual major with a program in the Business and Economics Department. These dual majors and major/minor strategies can be valuable assets when entering the job market.

### Program Requirements 18 s.h.

The Information Systems minor provides a strong background in office applications software and systems analysis for students majoring in business-related fields of study. See also Computer Science Minor and General Computing Minor.

- CIS 1102 - VISUAL BASIC PROGRAMMING
- CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS
- CIS 3303 - WEB SITE DESIGN
- CIS 3309 - MANAGEMENT INFORMATION SYSTEMS
- CIS 3310 - SYSTEMS ANALYSIS
- and
- BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT
- or
- MGT 2230 - MANAGEMENT PRINCIPLES

## International Studies Minor

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Offered by the Department of History and Political Science  
 Associate Professors Bosworth, Chua, Gaskiewicz, Guenther (chairperson)  
 Assistant Professor Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

### Program Requirements 21 s.h.

- ANH 1101 - CULTURAL ANTHROPOLOGY
- GEG 1101 - WORLD REGIONAL GEOGRAPHY
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

#### 3 Credit hours from the following:

- HST 3366 - TWENTIETH CENTURY EUROPE
- HST 3377 - HISTORY OF LATIN AMERICA
- HST 3387 - HISTORY OF EAST ASIA
- HST 3388 - HISTORY OF AFRICA
- HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD

#### 6 Credit hours from the following:

- ANH 3301 - WORLD CULTURES
- ANH 3308 - AFRICAN CULTURES
- ECO 3333 - INTERNATIONAL ECONOMICS
- PSC 3312 - CANADA, MEXICO AND THE U.S.
- PSC 4412 - TOPICS IN COMPARATIVE POLITICS
- PSC 4415 - U S FOREIGN POLICY

## Latin American Studies Minor

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The Latin American Minor is an interdisciplinary program for the purpose of introducing and broadening student's knowledge and understanding of the culture, history, economics, and other related matters concerning the people and countries of Latin America.

### Program Requirements 18 s.h.

25% Latin American content in all courses required in semester offered to apply to minor.

#### Required Courses:

- PSC 3312 CANADA, MEXICO AND THE U.S.
- HST 3377 - HISTORY OF LATIN AMERICA
- Or
- SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA

#### 12 credit hours of electives from the following (choose four prefixes):

- ANH 1101 - CULTURAL ANTHROPOLOGY
- ANH 3301 - WORLD CULTURES
- ANH 3350 - SELECTED TOPICS SEMINAR
- ARH 3323 - BAROQUE AND ROCOCO ART
- BUS 3310 - MANAGING DIVERSITY
- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 3305 - COMPARATIVE LITERATURE
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD
- HST 4415 - MODERN AMERICAN DIPLOMACY
- HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN
- MU 3301 - WORLD MUSICS
- PSC 3328 - INTERNATIONAL POLITICAL ECONOMY
- PSC 4415 - U S FOREIGN POLICY
- PSC 4430 - GLOBAL DEMOCRATICIZATION
- SOC 2200 - AMERICAN MINORITIES
- SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA
- SPA 4400 - SENIOR SEMINAR

## Leadership Studies Minor

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The minor in Leadership Studies provides students with an opportunity to study, apply and synthesize interdisciplinary perspectives of leadership. The minor helps students: understand the theory and practice of leadership; gain an understanding of their potential and styles of leadership, communicate effectively in a variety of situations; understand and apply ethical leadership practices; develop and apply effective critical thinking and problem solving skills; understand the interdisciplinary nature of leadership; understand the relationship between diversity and leadership; and learn to lead effectively in a variety of situations.

### Program Requirements 21 s.h.

#### A. Core courses (required: 6 s.h.)

- LDR 3325 - INTRODUCTION TO LEADERSHIP STUDIES
- LDR 4425 - LEADERSHIP CAPSTONE

#### B. Select one course (3 s.h.) from each of the following three clusters (required: 9 s.h. total)

##### 1. Communication (3 s.h.)

- COM 3332 - CROSS CULTURAL COMMUNICATION
- COM 3334 - GENDER AND COMMUNICATION
- COM 4401 - PERSUASION
- COM 4485 - SMALL GROUP COMMUNICATION

**2. Group or Organizational process (3 s.h.)**

- COM 3360 - ORGANIZATIONAL COMMUNICATION
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- SOC 3301 - ORGANIZATIONAL BEHAVIOR
- SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS
- SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS

**3. Ethics (3 s.h.)**

- PHL 2202 - CONTEMPORARY MORAL PROBLEMS
- PHL 3260 - TOPICS IN PROFESSIONAL ETHICS
- PHL 3316 - ENVIRONMENTAL ETHICS
- PHL 3380 - HEALTH CARE ETHICS

**C. Select two elective courses (6 credit hours)**

From the list below or any of the other courses not selected within the three clusters above in Part B. Other courses may also be eligible as approved by the Leadership Studies Minor Steering committee, such as special topics courses, as appropriate. [Note: No more than two courses from any single discipline (prefix) may be taken to fulfill the requirements for the minor.]

Courses that emphasize learning about leaders and leadership:

- ENG 2220 - SPECIAL TOPICS IN LITERATURE
- ENG 3320 - SPECIAL TOPICS IN LITERATURE
- HST 2220 - WORLD WAR II
- HST 3295 - TOPICS IN GLOBAL HISTORY
- HST 4420 - NAZI GERMANY AND THE HOLOCAUST
- PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION
- PSC 4402 - PRESIDENT AND CONGRESS

Courses that enhance understanding, self-awareness and skills related to leadership:

- AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES
- ANH 3301 - WORLD CULTURES
- BUS 3310 - MANAGING DIVERSITY
- COM 3330 - PARLIAMENTARY PROCEDURE
- HPE 4420 - HUMAN BEHAVIOR IN COACHING
- NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING  
This course available only to students in the nursing major
- NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING  
This course available only to students in the nursing major
- PHL 2200 - CRITICAL THINKING
- PSY 3316 - HUMAN RESOURCE MANAGEMENT II
- PSY 4430 - THEORIES OF PERSONALITY

## Management Minor

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Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan, Yacovissi

Associate Professors Dugan (chairperson), Gaballa, Ghods

Assistant Professor Havalchak

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The need for management has been recognized since the early days of civilization. Organizations cannot succeed without good management. This minor is based on appreciating the role of managers today and in the future by focusing on a solid understanding of the skills and competencies needed to manage.

A minor in management develops students' managerial skills including awareness of global realities of cultural diversity.

This minor develops understanding, skills, insights, judgment and intuition that enable students to become effective managers. Students actively learn and engage in acquiring management competencies by providing comprehensive coverage of contemporary management theories, techniques and practices.

### **Program Requirements 18 s.h.**

- And 3 Credit Hours by Advisement.
- ACC 1110 - PRINCIPLES OF ACCOUNTING I
- MGT 2230 - MANAGEMENT PRINCIPLES
- MGT 3325 - BUSINESS LEADERSHIP
- MGT 3360 - INTERNATIONAL MANAGEMENT
- MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR

## **Marketing Minor**

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Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan, Yacovissi

Associate Professors Dugan (chairperson), Gaballa, Ghods

Assistant Professor Havalchak

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All organizations, including not-for-profit, use marketing strategies. The Marketing minor is designed to supplement many disciplines including Art, Communication / Public Relations, Computer Science / CIS, Criminal Justice Administration, Music Business / Music, Nutrition and Dietetics, Political Science, Psychology and other disciplines. The minor provides opportunity for students to broaden their skills and enhance their career opportunities. Students may choose courses in the minor to best fit their choice of disciplines. The minor advisor can help students in the selection of courses in achieving their goals.

### **Program Requirements 18 s.h.**

- MKT 3330 - MARKETING
- MKT 3370 - SALESMANSHIP

#### **Electives - 12 credits**

Take four courses from the following:

- COM 2210 - INTRODUCTION TO PUBLIC RELATIONS
- MKT 3334 - MARKETING RESEARCH
- MKT 4421 - MARKETING CHANNELS
- MKT 4422 - INTERNATIONAL MARKETING
- MKT 4423 - BUSINESS-to-BUSINESS MARKETING
- MKT 4426 - E-MARKETING
- TRT 3300 - THE TRAVEL CONSUMER

## Mathematics Minor

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Offered by the Department of Mathematics and Computer Information Science  
 Professors H. Iseri (chairperson), Lienhard  
 Associate Professors D'Ortona, Haner, Junius, Phillips, Savoye  
 Assistant Professors Dietz, L. Iseri, McKee, Sim

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The Department of Mathematics and Computer Information Science offers two mathematics baccalaureate degree programs: B.S. in Mathematics (with a choice of two concentrations: Pure and Applied), and B.S.E. Mathematics (secondary education). The B.S. program in mathematics is designed to prepare students for a wide range of careers in mathematics outside of education, or for graduate school in mathematics. The B.S.E. in Mathematics program prepares students to become certified teachers of mathematics at the secondary school level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) There is also a minor in mathematics and a minor in statistics.

### Program Requirements 17 s.h.

The minor in mathematics provides a strong background in mathematics but is flexible enough to be tailored to a variety of different majors. See also Statistics Minor.

- MA 2000/3000/4000 Mathematics Electives Credits: 6
- MA 2231 - CALCULUS I
- MA 2232 - CALCULUS II
- MA 3314 - APPLIED PROBABILITY AND STATISTICS

## Music Minor

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Professors Boston, Brennan, Dettwiler, Galloway, Kim, Murphy, Sarch  
 Associate Professors Crowder, Dodson-Webster, Gregorich (chairperson), Monkliken, Schmid, Teal  
 Assistant Professors Eidenier, Laib, McEuen, Moritz, Moulton, Rinnert, Wetzel  
 Instructors Alexander, Filiano, Rommon, Slotkin

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The Mansfield University Department of Music provides an environment that promotes academic, musical and personal growth as well as intellectual, ethical and aesthetic values. The department serves the regional, national and international communities by developing human and material resources. The department of music is committed to stimulating a continuous pursuit of knowledge, understanding and skills by students and faculty. The Music Department offers five degree programs leading to the baccalaureate degree with a major in music. Students in other majors with appropriate interest and aptitude may pursue a minor in music. Degree programs include: performance, music education, music therapy, music with elective studies in business, and a BA in music. Students must complete a live audition for acceptance into a music degree program. Please refer to the department for audition information and other entrance requirements. All music programs are accredited by the National Association of Schools of Music (NASM).

Students in all music degree programs are required to complete a core of essential courses in music theory, music history and literature, applied music and piano, and they must participate in music ensembles. All music students are required to pass a piano



proficiency. Each individual degree program has additional proficiency requirements to better prepare the student for his chosen field of endeavor. During the fourth semester of study, all students will complete a sophomore review.

The review will consist of performance on primary instrument, piano, singing and sight-reading, rhythmic reading and conducting, written career goals and grade point average. The review must be passed to continue into upper division music courses.

### **Program Requirements 24 s.h.**

The Music Department offers a Music minor for students in other majors with appropriate interest and aptitude. A live audition is required for admission to this program.

- 4 credit hours in major performance area 2 credit hours in large ensemble.
- MU xxxx - Music electives excluding MU 101 Credits: 6
- MU 2211 - BASIC MUSIC I
- MU 2212 - BASIC MUSIC II
- MU 2220 - WESTERN MUSIC UNTIL 1750
- MU 3221 - CLASSIC AND ROMANTIC MUSIC

## **Nutrition Minor**

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Offered by the Department of Health Sciences

Professors Biblehimer, Seigart, Sheehe (chairperson), Wright, K.

Associate Professors Evans, Maisner, McGuire (assistant chairperson)

Assistant Professors Decker, Klesh, Materese, McEwan, Oakes, Zaparzynski

Instructors Ferrito, Greer, Hanlon, Vosburgh, Urban

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### **Program Requirements 18 s.h.**

The nutrition minor provides the student with a strong background in nutrition as related to the student's field of study. The minor is especially suited to students in health care fields other than nutrition, students who wish to work with eating disordered individuals, future educators and coaches, future journalists, and anyone else who may need a strong background in nutrition.

- DIT 2211 - INTRODUCTION TO NUTRITION
- DIT 3305 - PRINCIPLES OF FOOD SCIENCE
- DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE

#### **Three credit hours from the following:**

- DIT 2220 - NUTRITION AND EXERCISE
- DIT 3300 - CULTURAL NUTRITION AND FOOD
- DIT 3316 - COMMUNITY NUTRITION
- DIT 3325 - NUTRITION COUNSELING AND EDUCATION

#### **Six credit hours from the following:**

- DIT 3330 - SPORTS NUTRITION
- DIT 4401 - MEDICAL NUTRITION THERAPY I
- DIT 4402 - MEDICAL NUTRITION THERAPY II
- DIT 4417 - ADVANCED NUTRITION
- DIT 4420 - NUTRITION RESEARCH SEMINAR

## Philosophy Minor

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Offered by the Department of Philosophy  
Professors Newman, Timko (chairperson), Young  
Assistant Professor McEvoy

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Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Department.

A Philosophy major provides an excellent grounding in the fundamental ideas and concepts of our culture. It thus explains a great deal of why we are the way we are and do the things we do. Students are introduced to major philosophers such as Plato, Aristotle, Descartes, and Hume. The major is appropriate for anyone wishing an educationally rewarding and personally challenging undergraduate experience. Because of its emphasis on critical thinking skills, it is especially useful for professions requiring excellence in reasoning, writing and argumentation. It is the recommended course of study for those wishing to pursue a graduate degree in philosophy. There is sufficient flexibility in the Philosophy major to allow students to combine Philosophy as a double major with any other university program.

### **Program Requirements 18 s.h.**

Eighteen semester hours in philosophy are required, with at least nine of these being at the upper division level.

## Physics Minor

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Offered by the Department of Chemistry and Physics  
Professors Ramasamy (chairperson) Davis  
Associate Professors Ambrosio, Carson, Chester, Ganong, Vayansky  
Assistant Professor Kiessling  
Instructor Tandon

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The Department of Chemistry and Physics is recognized by the American Chemical Society's Committee on Professional Training as meeting their nationally recognized standards that define high quality undergraduate chemistry programs. Students who complete the ACS approved chemistry degree program will then be certified by the ACS, the largest scientific society in the world. The Department of Chemistry and Physics offers four programs that lead to the baccalaureate degree with a major in chemistry and one program of study that provides an ACS-certified baccalaureate degree. Minors in Chemistry, Physics, and Forensic Science are available as further options.

### **Minors:**

The department offers minors in chemistry, physics, or forensic science to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in chemistry, physics, or forensics and thereby broaden their background as they acquire marketable skills.

### **Program Requirements 21 s.h.**

The department of Chemistry and Physics offers a minor in physics to all interested persons who fulfill the basic requirements of the programs. The minor, while not a degree program, is intended to permit students to develop their interest in physics and thereby broaden their background as they acquire marketable skills.

- PHY xxxx - Physics Elective (300 or 400 level) Credits: 3
- PHY 2210 - GENERAL PHYSICS I
- PHY 2211 - GENERAL PHYSICS II
- PHY 3311 - MODERN PHYSICS I
- PHY 3312 - MODERN PHYSICS II
- PHY 3315 - ANALOG ELECTRONICS

## **Political Science Minor**

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Offered by the Department of History and Political Science  
Associate Professors Bosworth, Chua, Gaskiewicz, Guenther (chairperson)  
Assistant Professor Holderby

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The Department of History and Political Science two history degrees: a B.A. in History, and a B.S.E. in Social Studies/History. We offer minors in history, political science, international studies, and environmental studies.

The past is a living, dynamic subject and very much a part of today. This program in the humanities provides a solid background in the methods and concepts of historical investigation and introduces students to the various schools of historical interpretation. It includes courses in American, European, and Third World history, as well as a wide variety of arts and sciences courses. The research and writing skills developed in this program open opportunities in many areas. History is excellent preparation for law school. Combined with the appropriate courses, it provides a good background for journalism. Producers of television shows, documentaries, and movies, with settings in the past, all have research staffs to insure historically accurate productions. History graduates work in such diverse careers as editing publications, archival management, foreign service, and museums.

### **Program Requirements 18 s.h.**

#### **9 credit hours from the following:**

- PSC xxxx - PSC electives Credits: 12
- (9 at the 3300 and/or 4400 level.

#### **Note PSC electives can include cross-listed courses from other disciplines)**

- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS
- or
- PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS

## Pre-Law Minor

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Offered by the Department of Philosophy  
Professors Newman, Timko (chairperson), Young  
Assistant Professor McEvoy

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Philosophy is concerned with exploring and reasoning through such issues as the meaning of life, whether we are really free, the nature of the self, how we can determine what is morally right and wrong, proper reasoning (logic), whether there is a God, the nature of religion, science, and art. The department offers the B.A. degree in Philosophy, as well as a Philosophy minor. Additionally, the minor program in Canadian Studies, and the minor in Pre-Law are all administered by the Philosophy Department.

A Philosophy major provides an excellent grounding in the fundamental ideas and concepts of our culture. It thus explains a great deal of why we are the way we are and do the things we do. Students are introduced to major philosophers such as Plato, Aristotle, Descartes, and Hume. The major is appropriate for anyone wishing an educationally rewarding and personally challenging undergraduate experience. Because of its emphasis on critical thinking skills, it is especially useful for professions requiring excellence in reasoning, writing and argumentation. It is the recommended course of study for those wishing to pursue a graduate degree in philosophy. There is sufficient flexibility in the Philosophy major to allow students to combine Philosophy as a double major with any other university program.

The B.A. degree in Philosophy also offers a pre-law concentration that is designed primarily for students who want to attend Law School or work in a law related field. The Pre-Law track is an interdisciplinary major that emphasizes the relationship between philosophy and several of the social sciences. The Pre-Law B.A. Program has been carefully designed to help students develop intermediate to advanced skills in critical reasoning, legal argumentation, and judicial analysis. It is a rigorous program intended to challenge students and advance their opportunities in the study of law and requires 36 credit hours of study.

The B.A. degree in Philosophy with a concentration in Applied Philosophy and Professional Ethics is for students who wish to include a significant ethics component in their curriculum. The Applied and Professional Ethics track is an interdisciplinary major that emphasizes the relationship between moral theory and moral practice in modern society. With the rapid rise of public interest in ethical issues, this program was designed to help promote ethics education and ethical analysis of professional and social behaviors. It requires 36 credit hours of study.

### Pre-Law

Mansfield University has an active and successful effort in the preparation of students for the study of Law. Central to this program are the Pre-Law Minor and the Pre-Law Association. Pre-Law is administered by the Philosophy Department. Dr. Thomas Young is the Pre-Law advisor. His office is in Hemlock Hall; his email address is [tyoung@mansfield.edu](mailto:tyoung@mansfield.edu). The Pre-Law Association is an active, student-funded organization which supplies students with various types of support in preparation for law school. This includes trips to law school fairs, advice concerning LSAT preparation programs, advice on studying for the LSAT, visits to Mansfield University from law school recruiters, advice on applying to law schools, discussions by visiting alumni attorneys or law students, etc. In order to ensure that students expressing the intention of enrolling in law school will receive the support they need, they will be

expected to discuss an appropriate major for themselves with the Pre-Law advisor, depending on the area of law they anticipate practicing.

### **Program Requirements 18 s.h.**

The Pre-Law minor consists of 18 semester hours. PHL 2200 required. 15 hours of electives must be chose from the following:

- BUS 4410 - BUSINESS LAW I
- CJA 3324 - JUDICIAL CRIMINAL PROCESS
- COM 4425 - PUBLIC COMMUNICATION
- PHL 3320 - PHILOSOPHY OF LAW
- PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT
- PSC 4404 - COURTS AND THE CONSTITUTION

## **Psychology Minor**

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Offered by the Department of Psychology

Professors Craig, Keller, P., Launius, Loher, Murray (chairperson), Seidel

Associate Professor Brown

Assistant Professor Verno

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The Psychology Department offers a B.S. degree in Psychology with concentrations in Psychology and Human Resource Management. The Psychology concentration is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter master's degree programs in counseling or related fields. All students in both concentrations must obtain grades of C or higher in PSY 1101, PSY 1151, and PSY 2206 to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard will be advised in the selection of a new major.

Minors are available in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, or adult development.

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's senior seminar course.

Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Many students report the internship to be an important part of their educational experience. For some, the internship leads directly to employment. The Psychology Department maintains relationships with a broad range of organizations that offer internships in counseling, other human services, health care, or business. To qualify for an internship, students must maintain a B average in the major. Advisors work closely with students to plan the internship and ensure that the experience is successful.

**Program Requirements 21-22 s.h.**

Minors are available in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, or adult development.

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS

**Select either Option A or B**

**Option A (12 s.h.: two (2) of nine (9) courses below and any (2) PSY electives)**

- PSY 3301 - THEORIES OF COUNSELING
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS
- PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT
- PSY 3355 - HEALTH PSYCHOLOGY
- PSY 4421 - DEATH AND DYING
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4430 - THEORIES OF PERSONALITY
- PSY 4441 - PSYCHOLOGY AND LAW

**Option B (12-13 s.h.: MA 1125, either PSY 2201 or 3306, and any two (2) PSY electives)**

- PSY xxxx - Psychology electives Credits: 6
- MA 1125 - INTRODUCTORY STATISTICS
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- or
- PSY 3306 - RESEARCH METHODS II

## Psychology of Human Development Minor

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Offered by the Department of Psychology

Professors Craig, Keller, P., Launius, Loher, Murray (chairperson), Seidel

Associate Professor Brown

Assistant Professor Verno

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The Psychology Department offers a B.S. degree in Psychology with concentrations in Psychology and Human Resource Management. The Psychology concentration is chosen by students who (1) plan advanced study in the field, (2) intend to seek employment in a related area upon graduation, or (3) seek a liberal arts background within the Psychology major. Many graduates enter master's degree programs in counseling or related fields. All students in both concentrations must obtain grades of C or higher in PSY 1101, PSY 1151, and PSY 2206 to continue in the program. Students may retake these courses once to meet the standard. Those who fail to meet the standard will be advised in the selection of a new major.

Minors are available in Psychology and Psychology of Human Development. The Psychology minor provides a general survey of the field. The Psychology of Human Development minor provides more focused study in areas of child, adolescent, or adult development.

Careful advisement of students is a priority of the Psychology Department. All students must complete a thorough orientation to the major, and their subsequent studies are guided by a goal-oriented process. All students maintain a portfolio to assess their learning and guide their academic and professional development. The portfolio is submitted for final review in conjunction with the department's senior seminar course.

Students are involved in various forms of research under faculty direction. Students present their research at the annual Psychology Research Symposium.

Many students report the internship to be an important part of their educational experience. For some, the internship leads directly to employment. The Psychology Department maintains relationships with a broad range of organizations that offer internships in counseling, other human services, health care, or business. To qualify for an internship, students must maintain a B average in the major. Advisors work closely with students to plan the internship and ensure that the experience is successful.

### **Program Requirements 18 s.h.**

- PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY
- PSY 3290 - LIFE SPAN DEVELOPMENT
- PSY 3391 - PSYCHOLOGICAL DISORDERS

#### **6 credit hours from the following:**

- PSY 3292 - CHILD PSYCHOLOGY
- PSY 3321 - ADOLESCENT PSYCHOLOGY
- PSY 3324 - ADULT DEVELOPMENT AND AGING

#### **3 credit hours from the following:**

- PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS
- PSY 2212 - HUMAN SEXUALITY
- PSY 3310 - SOCIAL PSYCHOLOGY
- PSY 4421 - DEATH AND DYING
- PSY 4422 - PSYCHOLOGY OF WOMEN
- PSY 4430 - THEORIES OF PERSONALITY

## **Regional Planning Minor**

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Offered by the Department of Geography and Geology  
 Professor Dodson (chairperson)  
 Associate Professors Darby, King, Thorne

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Geography is a broad academic discipline that integrates the physical and social sciences. It studies the nature of, and relationships between, the natural and cultural aspects of our world. Topics such as current environmental issues, cultural differences, computer cartography, geographic information systems (GIS), and planning are all studied by geographers.

Where things are located has always been of interest to geographers. But the more important and interesting question is, "Why are they where they are?" Pursuing the answer leads to new insights, both academic and applied. An especially pertinent example is the increasing use of geographic information systems (GIS) to help understand our world.

Majors in geography earn a Bachelor of Science degree with optional concentrations in Environmental Science, Regional Planning and Mapping Technology. Thus one can tailor a program to individual needs and interests. Graduates from these programs

pursue careers in government and industry, or continue their education by entering graduate school. In addition, we offer a two-year Associate of Science degree in Mapping Technology for those interested in developing new skills or in refining existing ones. Minors in geography, geology, and regional planning are also available and can provide important knowledge and skills to students majoring in related fields.

**Program Requirements 18 s.h.**

- RPL 1102 - INTRODUCTION TO REGIONAL PLANNING
- RPL 3342 - LAND-USE POLICY
- RPL 3380 - PLANNING SEMINAR

**And 9 credit hours from the following:**

- GEG 3280 - CARTOGRAPHY
- GEG 3364 - GEOSTATISTICS
- GEG 4430 - MODERN CARTOGRAPHIC TECHNIQUES

## Social Welfare Minor

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Offered by the Department of Social Work, Anthropology and Sociology

Professor Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Molla, Richmond

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Sociology is the scientific study of human social behavior. Sociologists study the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behavior. Focus is given to the understanding of group or other collective factors in human behavior.

Anthropology is the study of humankind. To incorporate all aspects of the human experience, anthropology has four major subdisciplines: Physical Anthropology, the study of the biological evolution of humans; Archaeology, the study of the evolution of culture; Linguistic Anthropology, the study of human languages; and Cultural Anthropology, the study of the variations and similarities of human behavior cross-culturally. The department offers introductory courses in all four subdisciplines but the major focus is in cultural anthropology.

The major in Sociology/Anthropology prepares students for a variety of careers in our increasingly multi-cultural society through critical thinking and evaluation, and appropriate research methods and analysis. The major is especially strong in social science research methods for which there is an ample job market. Students are encouraged to choose a concentration in either Sociology or Anthropology, but a broad based, liberal education in both and interdisciplinary studies outside the department is strongly recommended. The program is designed to allow students maximum flexibility to pursue their interests and career goals and combines easily with minors in other disciplines.

A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. In addition, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.



The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

### **Program Requirements 18 s.h.**

The Social Welfare minor prepares students majoring in business, criminal justice administration, computer sciences, psychology, biology, art, nursing, and others who intend to work in social welfare systems to understand those systems. The minor offers information on organizations, cultures, policies, and services as viewed from a sociological, anthropological and social work perspective.

- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS
- SWK 1101 - HUMAN SERVICES
- SWK 2251 - INTRODUCTION TO SOCIAL WORK
- SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT
- SWK 3315 - EVOLUTION OF SOCIAL WELFARE IN AMERICA

#### **One of the following:**

- ANH 1101 - CULTURAL ANTHROPOLOGY
- or
- SOC 1101 - INTRODUCTION TO SOCIOLOGY

## **Sociology Minor**

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Offered by the Department of Social Work, Anthropology and Sociology

Professor Sidell (chairperson)

Associate Professors Madigan, Mansfield, Purk

Assistant Professors Keller, Molla

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Sociology is the scientific study of human social behavior. Sociologists study the processes and patterns of individual and group interaction, the forms of organization of social groups, the relationships among them, and group influences on individual behavior. Focus is given to the understanding of group or other collective factors in human behavior.

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A bachelor's degree prepares students for entry-level positions in marketing, political survey analysis, applied human relations in both the public and private sector, and research organizations. In addition, a concentration in Anthropology prepares students for employment in archaeology and the many organizations which hire anthropologists

for applied human relations work with diverse cultures such as refugee and immigrant communities. The degree also prepares students for graduate work in either Sociology or Anthropology, and is an excellent background for advanced degrees in many other disciplines.

The department also offers the following minors: Anthropology, Gerontology, Social Welfare and Sociology.

### **Program Requirements 18 s.h.**

The Sociology minor is especially recommended for Criminal Justice, Public Relations, Marketing, and Social Work majors.

- SOC xxxx - SOC electives by advisement Credits: 12
- SOC 1101 - INTRODUCTION TO SOCIOLOGY
- SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS

## **Spanish Minor**

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Offered by the Department of English and Modern Languages

English faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professor Guignard, Sanner

Modern Languages faculty: Associate Professors Arango-Keeth, Blanco, Holtman, Keeth and Oyallon

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Whether you are interested in learning Spanish for personal growth or whether you are looking to enhance your career portfolio with language skills and cultural awareness, fulfilling a minor in Spanish will make you a more attractive candidate. Since there are 430 million native speakers of Spanish (making Spanish the third most commonly spoken language in the world) and over 36 million Hispanics in the United States (making it our nation's second language), Spanish is an important asset to have. Knowing Spanish will enhance your competitiveness.

### **Program Requirements 15 s.h.**

- SPA 2201 - INTERMEDIATE SPANISH I
- SPA 2202 - INTERMEDIATE SPANISH II
- SPA 2225 - SPANISH GRAMMAR REVIEW
- And SPA xxxx-Spanish electives (at least 6 credits must be at the upper level)

## **Statistics Minor**

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Offered by the Department of Mathematics and Computer Information Science

Professors H. Iseri (chairperson), Lienhard

Associate Professors D'Ortona, Haner, Savoye

Assistant Professors Dietz, L. Iseri, Junius, McKee, Phillips, Sim

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The Department of Mathematics and Computer Information Science offers two mathematics baccalaureate degree programs: B.S. in Mathematics (with a choice of two concentrations: Pure and Applied), and B.S.E. Mathematics (secondary education). The

B.S. program in mathematics is designed to prepare students for a wide range of careers in mathematics outside of education, or for graduate school in mathematics. The B.S.E. in Mathematics program prepares students to become certified teachers of mathematics at the secondary school level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.) There is also a minor in mathematics and a minor in statistics.

### **Program Requirements 15 s.h.**

The minor in statistics provides a strong background in statistics useful in many disciplines. Students may tailor this minor to their interests by careful choice of courses. See also the Mathematics Minor.

#### **12 credit hours from the following:**

- MA 1125 - INTRODUCTORY STATISTICS
  - MA 1126 - INFERENTIAL STATISTICS and PROBABILITY
  - MA 3301 - SURVEY OF MATHEMATICAL MODELS
  - MA 3308 - OPERATIONS RESEARCH
  - MA 3314 - APPLIED PROBABILITY AND STATISTICS
  - MA 3315 - APPLIED REGRESSION ANALYSIS
- or
- MA 3371 - MATHEMATICAL STATISTICS I

#### **3 credit hours from the following:**

- PSC 2235 - RESEARCH METHODS Credits: 3
- BI 3350 - ECOLOGY
- BI 3390 - BIostatISTICS AND EXPERIMENTAL DESIGN
- BUS 3349 - QUANTITATIVE BUSINESS ANALYSIS
- CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II
- ECO 3305 - ECONOMETRICS
- ECO 3310 - BUSINESS AND ECONOMIC FORECASTING
- MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS
- NUR 3361 - INTRODUCTION TO NURSING RESEARCH
- PSY 2201 - PSYCHOLOGICAL ASSESSMENT
- SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS

## **Studio Art Minor**

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Offered by the Department of Art

Professor Kutbay

Assistant Professors Hamad, and Whitehouse, Assistant Chairperson

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The Art Department offers two baccalaureate degrees: B.S.E. in Art Education and B.A. in Art History. The art education program guides prospective teachers to meet general education requirements, to develop skills in three studio clusters with a concentration in one area, and to provide a rich foundation in studio art production skills, art history, aesthetics, criticism, theory and practice of art education. Upon satisfactory completion of the program, the graduate is qualified to teach in the elementary and secondary schools. Graduating students must successfully complete the Praxis examinations both in general studies and their area of specialization to be certified to teach in Pennsylvania.

Incoming freshman and transfer students must successfully complete an interview and portfolio review conducted by art faculty. Portfolios must be submitted under the Art Department guidelines (see Art Dept. web page). Deadlines are: Fall admittance prior to April 30th; Spring admittance prior to November 15th.

### **Program Requirements 18 s.h.**

A minor in Studio Art may be declared by non-art majors and art majors. A minimum of 18 to a maximum of 24 credits constitutes a minor.

Required courses are listed below.

- ART xxxx - Electives Credits: 12-18
- ART 2240 - TWO-DIMENSIONAL DESIGN
- ART 2244 - THREE-DIMENSIONAL DESIGN

## **Theatre Minor**

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Offered by the Department of Communication and Theatre

Professor Young

Associate Professors Longoria, Wright, L. (chairperson)

Assistant Professors Bernum, Crum, Hoy

Instructors Lohrey, Mason, McIntyre, Pieper

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### **Program Requirements 21 s.h.**

- THT 1110 - INTRODUCTION TO THEATER
- THT 2210 - STAGECRAFT
- THT 2212 - FUNDAMENTALS OF ACTING I
- THT 2214 - MAKE-UP
- THT 3310 - FUNDAMENTALS OF DIRECTING
- THT 3312 - STAGE LIGHTING
- or
- THT 3313 - SCENE DESIGN
- THT 3314 - PLAY PRODUCTION PRACTICES

## **Travel and Tourism Minor**

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Offered by the Department of Business and Economics

Professors Carpenter, Kutty, Solan, Yacovissi

Associate Professors Dugan (chairperson), Gaballa, Ghods

Assistant Professor Havalchak

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This minor will offer students exposure to and appreciation of the largest industry in the world: Travel, Tourism, and Hospitality. Specific functional areas covered in detail include travel / hospitality marketing, hotel management, and travel & tourism suppliers and wholesalers.

### **Program Requirements 15 s.h.**

- MKT 3330 - MARKETING
- TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM
- TRT 3300 - THE TRAVEL CONSUMER
- TRT 3350 - HOTEL AND RESORT MANAGEMENT AND OPERATIONS
- TRT 4430 - TOURISM SUPPLIERS AND WHOLESALERS

## Women's Studies Minor

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Offered by the Department of English and Modern Languages

English Faculty:

Professors Harris, Pifer, Rashidi, Sornberger, Ulrich (Chairperson)

Associate Professors Barton, Doerksen, Murphy, Sullivan-Blum, Washington

Assistant Professors Arango-Keeth, Guignard, Keeth, Sanner

Modern Languages faculty: Associate Professors Blanco, Holtman and Oyallon

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Students majoring in English study literature and practice various modes of writing to help them discover and articulate their ideas as completely and cogently as possible. Courses offered for the major emphasize research skills, critical thinking, and problem solving as essential parts of the composing and interpreting process. Students pursuing the English curriculum receive training in literary analysis and are offered a broad background history of English and American literature and language. In addition, students study selected authors of diverse ethnic and cultural backgrounds and learn to situate literary works in their historical and cultural contexts.

Students may pursue either a B.A. (Liberal Arts) or B.S.E. (Secondary English Education) program. The programs are designed to afford students an extensive exposure to the various forms of literary expression and the methods of literary interpretation. Such a background in the analysis and interpretation of literature provides the B.A. major with a strong basis for further graduate study in literature, as well as for careers in law, public relations, editing, communications, civil service, industry, and library science. Students in the B.S.E. program receive a thorough grounding in literary analysis, English grammar, the theory and practice of composition, and the historical development of the English language, and are thus provided with a strong content-area basis in preparation for teaching English at the secondary level. (See The Teacher Education Certification Section in the University Policies section of this catalog, for further details regarding admission to teacher certification candidacy and Pennsylvania certification requirements.)

The English department also offers three minors: Creative Writing, English Literature, and Women's Studies. Students in the English B.A. and B.S.E. programs must complete study of a foreign language through the 2202 level. In addition, they may wish to complete a minor in Creative Writing, or Women's Studies as a way of adding a content emphasis to their undergraduate course of study.

### Program Requirements 18 s.h.

#### Core Requirement

- WS 1100 - INTRODUCTION TO WOMEN'S STUDIES

#### Choose one Humanities Course Credits: 3

- ENG 3326 - WOMEN'S LITERATURE
- ENG 3328 - LESBIAN AND GAY LITERATURE
- HST 2210 - AMERICAN WOMEN'S HISTORY
- HST 3313 - WOMEN IN EUROPEAN HISTORY
- HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS
- MU 2205 - WOMEN IN MUSIC

#### Choose one Social Sciences course:

- ANH 2250 - ANTHROPOLOGY OF GENDER
- COM 3334 - GENDER AND COMMUNICATION
- NUR 4402 - WOMEN'S HEALTH ISSUES
- PSY 4422 - PSYCHOLOGY OF WOMEN

**Choose two electives from the courses listed below**

Any of the courses listed above, and/or courses cross-listed with Women's Studies.

- ENG 2220 - SPECIAL TOPICS IN LITERATURE  
When offered with Women's Studies content
- ENG 3305 - COMPARATIVE LITERATURE  
When offered with Women's Studies content
- ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD  
When offered with Women's Studies content
- ENG 3320 - SPECIAL TOPICS IN LITERATURE  
When offered with Women's Studies content
- ENG 4401 - SEMINAR IN LITERARY STUDIES  
When offered with Women's Studies content
- HST 3294 - TOPICS IN AMERICAN HISTORY  
When offered with Women's Studies content
- HST 3295 - TOPICS IN GLOBAL HISTORY  
When offered with Women's Studies content
- HST 3296 - TOPICS IN EUROPEAN HISTORY  
When offered with Women's Studies content
- HST 3326 - HISTORY OF WOMEN AND TELEVISION

**Capstone Course**

- WS 4410 - SEMINAR IN WOMEN'S STUDIES



# COURSES

## ACCOUNTING

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### **ACC 1110 - PRINCIPLES OF ACCOUNTING I**

Introduces the accounting cycle; balance sheet and income statement preparation; accounting for cash, receivables, inventory, property, plant, and equipment; current liabilities.

**Credits:** 3 cr.

### **ACC 1111 - PRINCIPLES OF ACCOUNTING II**

A continuation of 110: long-term liabilities, owners equity of partnerships and corporations, and statement of cash flow. Introduces managerial accounting concepts, including manufacturing accounting and budgets, and financial ratio analysis.

**Prerequisites & Notes:** Prerequisite ACC 1110.

**Credits:** 3 cr.

### **ACC 3310 - INTERMEDIATE ACCOUNTING I**

An intensive study of accounting principles and problems of fairly presenting a financial position; measurement of assets, liabilities; preparation of financial statements.

**Prerequisites & Notes:** Prerequisite: ACC 1111.

**Credits:** 3 cr.

### **ACC 3311 - INTERMEDIATE ACCOUNTING II**

Further study of generally accepted accounting principles; corporate earnings per share, tax allocation, pensions, leases, inflation.

**Prerequisites & Notes:** Prerequisite: ACC 1111.

**Credits:** 3 cr.

### **ACC 3314 - AUTOMATED ACCOUNTING SYSTEMS**

An introduction to the development and implementation of an accounting information system. A real commercial system will be analyzed and then used by students to process accounting case studies.

**Prerequisites & Notes:** Prerequisites: ACC 1111, CIS 2203.

**Credits:** 3 cr.

### **ACC 3320 - ADVANCED ACCOUNTING I**

Examines partnerships, accounting, corporate mergers, and consolidated financial statements; non-profit accounting, foreign currency transactions, and other topics vary.

**Prerequisites & Notes:** Prerequisite: ACC 3311

**Credits:** 3 cr.

### **ACC 3350 - COST ACCOUNTING I**

Explores budget planning, product costing, break-even and variance analysis, cost behavior, and cost allocation.

**Prerequisites & Notes:** Prerequisite: ACC 1111.

**Credits:** 3 cr.

**ACC 3370 - FRAUD EXAMINATION**

This course is designed to provide managers, investigators and forensic accountants with an appreciation for the extent and nature of fraudulent activity. Common methods to detect and prevent fraud in business are studied. Fraudulent financial statements and the misappropriation of assets are considered.

**Prerequisites & Notes:** Prerequisite: ACC 1111.

**Credits:** 3 cr.

**ACC 3380 - TOPICAL SEMINAR**

The study of selected topics in accounting and current issues in financial reporting such as: non-profit accounting, governmental accounting, international accounting, income tax legislation.

**Prerequisites & Notes:** Prerequisite: ACC 1111.

**Credits:** 3 cr.

**ACC 3390 - INTRODUCTION TO FEDERAL TAX ACCOUNTING**

Explores the application of the personal income tax law to the taxpayer as an individual and a business proprietor.

**Credits:** 3 cr.

**ACC 4400 - AUDITING**

A systematic process of objectively obtaining and evaluating evidence for the purpose of rendering an opinion and communicating the results to interested users.

**Prerequisites & Notes:** Prerequisite: ACC 1111

**Credits:** 3 cr.

**ACC 4497 - INDEPENDENT STUDY 1**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 3 cr. Notes: May be taken for one, two or three credits at one time.

## **Academic and Human Development**

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**AHD 1101 - INTRODUCTION TO CAREER DEVELOPMENT**

This course is designed to facilitate the exploration of career interests for students who are uncertain of their career direction, as it relates to a choice of college major. The course is also designed to help facilitate student self assessment of talent, skills, and interest. Each student will explore their academic strengths, individual personality traits and develop goals and objectives toward the declaration of an appropriate college major. Real life experiences and work histories will also be analyzed to help discover current and past values, interest(s), and goals.

**Credits:** 1 cr

**AHD 1102 - LEARNING STRATEGIES FOR HIGHER EDUCATION**

Designed to enhance and develop learning strategies for creating academic success. Topics will include but not be limited to: meta-cognition, collaborative learning and



learning strategies. Students will have the opportunity to directly apply new learning strategies to enhance their current course work.

**Credits:** 1 cr

### **AHD 2201 - PERSONAL DEVELOPMENT/LIFE CHOICES**

This course will give each student an opportunity to examine their personality, life management skills, values and the relationship to making appropriate life choices. The course is designed to increase each student's awareness of the responsibilities and control they can impact upon their own life experiences through a holistic approach to living. A strong emphasis will be placed on a rational-emotive, reality-oriented approach to everyday life management skill building and healthy self-esteem development and leadership.

**Credits:** 3 cr. General Education Requirement: Wellness

## **Anthropology**

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### **ANH 1101 - CULTURAL ANTHROPOLOGY**

Introduction to culture as a conceptual mode and to the variations in behavior systems found among human societies. Cultural institutions are examined including the process associated with their development and change. This course provides a basic introduction to cultural anthropology, the study of human cultural variation across time and space. It will follow an evolutionary framework in dealing with human cultural systems including kinship, social organization, political organization, language, economics, and religion.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **ANH 1102 - INTRODUCTION TO BIOLOGICAL ANTHROPOLOGY**

An overview of the human organism. Emphasis involves organization, maintenance, movement and support, integration, reproduction, genetics, evolution, and ecology of humans.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with BSC 1104 Human Biology. General Education Requirement: May satisfy General Education requirements

### **ANH 1103 - INTRODUCTION TO ARCHAEOLOGY**

Review of basic archaeological concepts. The human cultural and biological evolution from the Paleolithic time period to development of organized societies is covered. A brief world archaeological history will be discussed. How ecological and cultural factors affect humans over time is examined.

**Credits:** 3 cr.

### **ANH 1104 - INTRODUCTION TO LINGUISTIC ANTHROPOLOGY**

This course explores "the nature of language", looking at what language is, how we learn and use language, and how language functions in and shapes our lives.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ENG 1175 Nature of Language.

### **ANH 2250 - ANTHROPOLOGY OF GENDER**

An introduction to the cultural diversity of gender roles with emphasis on the roles of women, gender bias, and cultural definitions of men and women. This course

introduces students to cross-cultural views in women's issues including women's empowerment, and promotion of equal rights. Students will be exposed to related theories, research, and practice.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **ANH 2885 - CULTURE, HEALTH AND DISEASE**

This course will address cross-culturally the relationship between culture, health, and illness. Students will study theoretical orientations and key issues such as the cross-cultural diversity of health beliefs and practices at home and abroad. Contemporary issues and special populations e.g. AIDS, women's health, children at risk, homelessness, immigrants, obesity will be studied.

**Credits:** 3 cr.

### **ANH 2995 - ANTHROPOLOGY OF HEALTH AND MEDICINE**

This course covers cross-cultural views about illness, healing, and the body. It explains the biomedical approach to illness and explores how cultural conceptions shape the experience of illness. Students will examine the approaches to childbirth, menstruation, and menopause that are influenced by culture. Also investigates how beliefs about illness and medication are linked to social and political policies by thoroughly reviewing case studies from Asia, Africa and Latin America.

**Credits:** 3 cr.

### **ANH 3280 - ANTHROPOLOGICAL LINGUISTICS**

Methods of analysis and description of language and ways in which human beings use their language. Of interest to students who wish to continue the study of linguistics as well as those in a variety of professions who wish to read with understanding linguistic literature in their own field.

**Credits:** 3 cr. Dual Listed/Cross Listed: Cross listed with ENG-3281

### **ANH 3296 - EUROPEAN ETHNOGRAPHY**

A special area of European history that is of current interest.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with HST 3296 Topics in European History – Ancient Greece.

### **ANH 3301 - WORLD CULTURES**

Comparative study of selected major cultural areas of the world. Institutional patterns characterizing the cultural complex of Europe and Southeast Asia, South Asia, North and South America and Africa south of the Sahara will be examined. This course improves cultural understanding by developing awareness, appreciation, understanding, and sensitivity to other cultures around the world. It looks at the pattern of culture change over time and its impact on people.

**Prerequisites & Notes:** Prerequisite: Permission of instructor.

**Credits:** 3 cr.

### **ANH 3308 - AFRICAN CULTURES**

An in depth study of the diversity of African cultures south of the Sahara Desert. An overview of Sub-Saharan African cultures will be presented followed by detailed studies of representative cultures from each of the linguistic and cultural areas.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with HST 3388 History of Africa.

**ANH 3311 - ETHNOGRAPHIC RESEARCH**

Preparation for conducting qualitative research including organizing for the field work, collecting, and analyzing ethnographic data. Provides training in several qualitative research methods such as Participant Observation, the Life Story Interview, Freelisting, and Pile Sorting. Students apply the methods to demonstrate their skills in conducting their own qualitative research projects.

**Credits:** 3 cr. General Education Requirement: This course fills an Honor's requirement.

**ANH 3332 - ANTHROPOLOGY OF COMMUNICATION**

This course explores theory and practice related to communicating across cultures. Attention is given to verbal and nonverbal communication in varying cross-cultural contexts including dyadic, small group, and public communication situations with examination of dominant cultures and co-cultures. Students should develop an appreciation of global differences among global cultures as well as practical understanding of how to communicate effectively with people who are different from themselves.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with COM 3332 Cross Cultural communication.

**ANH 3333 - SOUTH AND SOUTHEAST ASIAN ETHNOLOGY**

An historical study of the peoples of South and Southeast Asian countries from ancient to the present. Also covers the indigenous religions of the region. Includes the Indian subcontinent and SE Asian countries such as Indonesia, Malaysia, Singapore, Thailand, Cambodia, and Vietnam.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with HST 3275 History of South and Southeast Asia.

**ANH 3335 - PALEOANTHROPOLOGY**

Examines the origin and subsequent evolution of life over the past four billion years. The paleobiology and geologic history of major animal and plant group are discussed. The course includes field trips to local and regional fossil sites.

**Prerequisites & Notes:** Prerequisites: BI 1110, BI 1130 and BI 3350.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with BI 3355 Paleobiology.

**ANH 3350 - SELECTED TOPICS SEMINAR**

Review of a specialty area in anthropology or the study of a problem from an interdisciplinary position.

**Credits:** 1-6 cr. Notes: May be taken for one through six credits

**ANH 3390 - EVOLUTION**

A study of the basic theory, mechanisms, and pathways of natural selection. Also studies the development of evolutionary thought from antiquity to the current gradualist and punctuated equilibrium models. Both genetic and paleontological data are analyzed in examining micro and macroevolutionary scenario.

**Prerequisites & Notes:** Prerequisites: BI 1110, BI 1130, and BI 3350.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with BI 3391 Evolution.

**ANH 4440 - ANTHROPOLOGY OF RELIGION**

This course explores how societies construct meaning through belief systems. Symbolic systems that will be explored cross-culturally include indigenous religion, witchcraft, magic, shamanism, and cultural spirituality. Students will study the evolution of religious values over time and the impact of religion on society.

**Credits:** 3 cr.

**ANH 4444 - ANTHROPOLOGICAL DEMOGRAPHY**

Study of human population growth and composition from an anthropological perspective. The focus is on basic demography, demographic theory, reproduction, the demographic transition, the role of culture in population change, and paleo-demography. The course will also provide exposure to current demographic measures and projections both in the US and around the world.

**Credits:** 3 cr.

**ANH 4445 - PROFESSIONAL DEVELOPMENT**

A workshop-style course to develop students' professional skills. It prepares students to organize their skills and expertise, and exposes them to networks in their area of interest. It equips students with necessary tools for career entry and advancement.

**Credits:** 1 cr.

**ANH 4471 - ETHNOGRAPHY OF MEXICO AND THE CARIBBEAN**

A survey of Mexico and Caribbean basin from the rise of native civilizations to the revolutions of the 20th century and the aftermath. Studies the interaction of various racial groups, the formation of distinct national identities, and class conflict.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with HST 4471 History of Mexico and the Caribbean.

**ANH 4480 - ANTHROPOLOGICAL THEORY**

A seminar on the history and development of anthropological thought from social evolution through post-processual theory. The course covers both macro and mid-range theories and current trends in the anthropological perspective.

**Prerequisites & Notes:** Prerequisites: Upper class standing in the anthropology/sociology major.

**Credits:** 3 cr.

**ANH 4490 - FIELD STUDY**

Supervised field work in any subdiscipline of anthropology: physical, archaeology, linguistic, or cultural anthropology. Individually arranged.

**Prerequisites & Notes:** Prerequisites: Upper class standing in the anthropology tract of the sociology/anthropology major, or permission of the instructor.

**Credits:** 3-12 cr.

**ANH 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 – 3 credits at one time.

**ANH 4499 - APPLIED ANTHROPOLOGY**

This course prepares students to apply social science research skills in assessing and finding solutions to community problems. Students will learn concepts, methods, and analysis strategies in qualitative and quantitative research methods appropriate for their research topics. It also provides students with skills to write a research paper for presentation purpose.

**Credits:** 3 cr.

## Art Education

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**ARE 2211 - INTRODUCTION TO ART EDUCATION**

This is a preparatory art education class that will focus on art curriculum, lesson plan design, familiarize students with the National and State Visual Arts Standards, developmental stages and methods of teaching and behavior management in the art classroom. Includes projects, discussions, and elementary and high school observations. Students will begin building a project file and teaching portfolio.

**Credits:** 3 cr.

**ARE 3343 - ARTS FOR STUDENTS WITH DIVERSE NEEDS**

An exploration of types of characteristics of children who are special: either gifted, physically/emotionally disabled, or culturally disadvantaged. Strategies for art experiences in both inclusive and self-contained classrooms.

**Prerequisites & Notes:** Prerequisite: ED 2205

**Credits:** 3 cr.

**ARE 3388 - HISTORY AND PHILOSOPHY OF ART EDUCATION**

Acquaints the student with social, historical, and philosophical developments in education and art education.

**Credits:** 3 cr.

**ARE 3390 - ART CURRICULUM AND TEACHING IN ELEMENTARY SCHOOLS**

Provides an historical and philosophical background in art education. Students experience in-depth lesson plan and curriculum writing. Students will observe in art classrooms and will teach K-8 under the guidance of the professor. Emphasis is placed upon developing methodology for motivation and classroom management in preparation for the semester of student teaching. Just have attained Junior status.

**Prerequisites & Notes:** Prerequisite: ARE 2211 or Co-requisite: ED 2205.

**Credits:** 3 cr.

**ARE 3392 - TEACHING ART IN THE ELEMENTARY GRADES**

Examines the philosophy and principles of art education in the elementary school curriculum with experience in the development of self-expression through a variety of public school art materials and activities as a basis for understanding and evaluating children's art work.

**Credits:** 3 cr.

**ARE 3393 - ART CURRICULUM AND TEACHING IN SECONDARY SCHOOLS**

Provides in-depth experience in lesson plan writing and creating curriculum in art at the secondary level. Students have the opportunity to teach art at an area high school under the supervision of the professor with the cooperation of a high school art teacher. Emphasis is placed upon developing an understanding of motivation and classroom management in preparation for the semester of student teaching.

**Prerequisites & Notes:** Prerequisites: ARE 2211, ED 2205

**Credits:** 3 cr.

**ARE 3394 - CURRICULUM DEVELOPMENT IN ART EDUCATION**

Investigation of the concepts, attitudes, and values of art theory and practice as related to curriculum; a study of classroom problems and procedures in various teaching situations.

**Credits:** 2 cr.

**ARE 4400 - STUDENT TEACHING**

Provides practical experience in teaching art at the elementary and secondary levels under the guidance of a cooperating teacher. Observations and conferences scheduled by the departmental supervisor are held on a periodic basis. Enables students to apply knowledge and skills acquired in the Art Education program. ARE 4400 is required for students seeking certification to teach.

**Credits:** 12 cr.

**ARE 4403 - ART EDUCATION SEMINAR**

Art Seminar provides students with the opportunity to further exchange ideas, enhance critical dialect, and to participate in activities relevant to professional artist and art educators. In addition, students enrolled in Art Seminar will compile, focus, reflect, and organize their educational experience at Mansfield University into an electronic vita and professional portfolio. This course will further prepare Art Education majors for either graduate school or professional employment.

**Credits:** 2 cr.

**ARE 4440 - ART IN THE COMMUNITY**

The course looks at the specific needs for community programs that are settings for an art educational experience outside of the K-12 classroom. Nursing homes, pre-schools, and after-school programs will be the focus of the observation and participation element of the course.

**Credits:** 3 SH Dual Listed/Cross Listed: 5540

## **Art History**

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**ARH 1101 - INTRODUCTION TO ART**

An approach to the dominant movements and ideas of the Western World as they evolved in visual arts from the cave art origins to the 20th Century systems.

**Credits:** 3 cr.

**ARH 1102 - SURVEY OF ART**

An intercultural, interdisciplinary approach to dominant movements and ideas as they evolved in visual arts. Examines philosophic commonality of purpose which becomes intertwined with man's record of history.

**Credits:** 3 cr.

**ARH 3320 - ART OF AFRICA AND OCEANIA**

The study of prehistoric and primitive art from the Paleolithic period: Africa, Asia, Australia, Europe, Mexico, the Americas, and the South Seas.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3321 - ANCIENT AND MEDIEVAL ART**

Comprehensive study of architecture, sculpture, and painting from the ancient through Gothic periods; emphasis on aesthetic values and historical implications, iconographic and symbolic significance.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3322 - ART OF THE RENAISSANCE**

Comprehensive study of architecture, painting, and sculpture in Italy, Flanders, Holland, Germany, England, France, and Spain with emphasis on the general characteristics of the Renaissance.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3323 - BAROQUE AND ROCOCO ART**

A comprehensive study of painting, sculpture, and architecture from 1600 to 1750 in Italy, Flanders, Germany, Austria, Holland, Spain, France and England.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3324 - NATIVE ARTS OF THE AMERICAS**

A survey of native arts of North, Central, and South America during the pre-Columbian and historic periods. Painting, sculpture, architecture, and crafts will be examined.

**Credits:** 3 cr.

**ARH 3326 - ORIENTAL ART**

Study of art in China, India, and Japan in the areas of architecture, painting, pottery, sculpture, and the minor arts. Trace influences central to the development and spread of important styles and the relationship of art to the classics of Oriental aesthetics.

**Credits:** 3 cr.

**ARH 3327 - HISTORY OF PRINTS**

The history of printmaking and the significant influences of Eastern and Western cultures on the graphic processes.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3328 - HISTORY OF ARCHITECTURE**

Study of architecture, styles, and methods of construction from the earliest civilizations to the present. Analyzes the outstanding contributions in architecture of the various cultures with emphasis on further development and influences, citing important examples and their architects.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3329 - HISTORY OF AFRICAN-AMERICAN ART**

Survey of Early African art to contemporary African-American art, appraises the past and present performance of African-American artists and their contributions to American art history.

**Credits:** 3 cr.

**ARH 3330 - HISTORY OF AMERICAN ART**

Comprehensive study of the heritage of American art from the Limners and Artisans of colonial times through the 20th century in painting, architecture, and sculpture; emphasizing aesthetic values, movements, trends, and contributions of significant artists.

**Prerequisites & Notes:** Prerequisites: ART 1101, 1102.

**Credits:** 3 cr.

**ARH 3331 - HISTORY OF MODERN ART**

Comprehensive study of the development of modern art from 19th century neoclassicism through contemporary movements, emphasizing aesthetic values, historical implications, and contributions of significant artists.

**Prerequisites & Notes:** Prerequisites: ARH 1101 or 1102.

**Credits:** 3 cr.

**ARH 3332 - THE ART OF ANCIENT EGYPT**

A comprehensive study of architecture, sculpture, and painting in ancient Egypt from its prehistoric beginnings to the Christian era.

**Prerequisites & Notes:** Prerequisites: ARH 1101.

**Credits:** 3 cr.

**ARH 4401 - CULTURAL ORIGINS OF ART**

A travel-study seminar abroad visiting various countries around the world. Provides intensive study of the humanities and cultures from which various art styles emerge. Lectures will be conducted throughout the tour by the director.

**Prerequisites & Notes:** Prerequisite: ARH 1101, 1102.

**Credits:** 1 - 9 cr.

**ARH 4407 - EMPIRES OF THE WORLD THROUGH ART**

Explores the use of art and architecture of various empires as images of power and political statement. The Roman, Byzantine, Holy Roman, Ottoman, Russian, and British empires will be examined.

**Prerequisites & Notes:** Prerequisite: ARH 1101, 1102 or permission of instructor.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5507.

**ARH 4408 - ART AND MYTHOLOGY OF ANCIENT GREECE**

Explores the relationship between art and mythology in ancient Greece from the Bronze Age through the Classical and Hellenistic periods.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5508.



**ARH 4409 - WOMEN IN ART**

A study of the accomplishments and contributions of women in art and architecture from antiquity to the 20th century. Women as subjects in art will also be examined with emphasis on the cultural and artistic milieu in which they are represented.

**Prerequisites & Notes:** Prerequisite: ARH 1101 or 1102.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5509.

**ARH 4410 - WOMEN IN ANCIENT GREEK ART**

This course explores women as subjects and patrons of ancient Greek art, with emphasis on the cultural and artistic milieu in which they are represented.

**Credits:** 3 cr.

**ARH 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 – 3 credits at one time.

## Art

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**ART 2218 - PHOTOGRAPHY**

The study of black and white, and digital photography. Emphasis is on camera skills, darkroom techniques, and the understanding of photographic imagery.

**Credits:** 3 cr.

**ART 2238 - MULTICULTURAL CRAFTS**

This is a beginning class in the exploration of a variety of 2-D and 3-D crafts ideas from around the world. Projects will span ancient history through contemporary time.

Students will be required to work with a variety of materials and equipment. Students will learn how the applied arts fit within the concept of and relate to "fine" art.

**Credits:** 3 cr.

**ART 2240 - TWO-DIMENSIONAL DESIGN**

An introduction to two-dimensional design through the use of various media. This course will explore the creative use of color and elements of design, stressing their function and relationships.

**Credits:** 3 cr.

**ART 2244 - THREE-DIMENSIONAL DESIGN**

Three-Dimensional Design is an introduction to the relationship between ideas and the creation of three-dimensional objects. Students will explore the principles and elements of design as they apply to the creation of three-dimensional works of art.

**Credits:** 3 cr.

**ART 2248 - DRAWING**

Builds those skill and attitudes necessary for the remainder of the program. Introduces the two- dimensional and three-dimensional aspects of drawing and develops personal

power of expression. Designed to stimulate creative thinking, develop sensitivity to the arts element, sharpen impressions and the visual memory.

**Prerequisites & Notes:** Prerequisites: ART-2240

**Credits:** 3 cr.

### **ART 2250 - FIGURE DRAWING**

The second foundation course in drawing concentrates on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as both inspiration and subject matter in Art Exploration of ideas, techniques and "master" works included.

**Prerequisites & Notes:** Prerequisite: ART 2248. Co-requisite: ART 2240.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 3350/5550.

### **ART 3261 - WATER BASE MEDIA**

Explores water base media (transparent, gouache, acrylic polymer) with the intent of establishing a broad base of understanding needed to accomplish personal goals.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 551 3.

### **ART 3271 - CERAMICS**

The study of hand and wheel methods of forming. Introduces the principles of glaze formulation, kiln stacking, and firing.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 4471/5571.

### **ART 3281 - SCULPTURE**

Exploration of three dimensional design as related to sculpture. Basic techniques of stone and wood carving will be explored in addition to various methods of material build-ups (wood, plaster, Plexiglas, metal, etc.).

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5519.

### **ART 3300 - VISUAL STUDIES IN AESTHETIC EXPERIENCES**

Studies the philosophic theories of art, aesthetic experience, principles and criticism in the nature and comprehension of the character of arts, the artist, and his/her relationship to life.

**Credits:** 3 cr.

### **ART 3301 - PAINTING**

An introduction to the use of color, light and value. Compositional problems are taken from observation and imagination. Experimenting in both acrylic and oil based media techniques. Surface preparation and exploring "master" works will be included.

**Prerequisites & Notes:** Prerequisites: ART-2240; ART 2248; ART 2250.

**Credits:** 3 cr.

### **ART 3318 - ADVANCED PHOTOGRAPHY**

A more in-depth study and understanding of black and white and digital photography.

**Prerequisites & Notes:** Prerequisite: ART 2218. May be repeated for a maximum of 12 credits.

**Credits:** 1 - 6 cr.

**ART 3330 - DIGITAL PHOTOGRAPHY**

A course designed for the non-art major using a hands-on approach to learning the digital camera in acquiring images, in preparing them on the computer for print, and in presenting prints in various formats.

**Prerequisites & Notes:** Prerequisites: 45 earned credits.

**Credits:** 3 cr.

**ART 3331 - PRINTMAKING**

Introduction to the printmaking processes of linocut, woodcut, lithography, serigraphy, etching, intaglio, and drypoint with emphasis on their use for creative expression.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5514. Art students only.

**ART 3338 - MULTICULTURAL CRAFTS**

This is an advanced class in the exploration of a variety of 2-D and 3-D craft ideas from around the world. Projects will span ancient history through contemporary time and investigate the importance of crafts in societies. Students will be required to work at an advanced level with a variety of materials and equipment.

**Prerequisites & Notes:** Prerequisites: ART-2238

**Credits:** 1 – 6 cr.

**ART 3342 - ADVERTISING, DESIGN AND LETTERING**

Introduction to advertising. A comprehensive survey of basic principles and practices in advertising, their relation to economy, society, and system of mass communication. Psychological and creative factors involved in advertising, design, campaign, media, and research are explored.

**Credits:** 3 cr.

**ART 3345 - 2-D FIBERS**

Surface Design. This course explores techniques used by ethnic peoples across the world to decorate and embellish cloth. The color of cloth is altered with dyes through batik, stenciling, painting and tie-dye. The cloth is enriched with embroidery, beading and quilting. Floor looms are used to explore color and pattern in woven textiles.

**Prerequisites & Notes:** Prerequisites: ART 2240; ART 2244; ART 2248; ART 2250 or permission of instructor.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 4444/5545.

**ART 3348 - ADVANCED DRAWING**

The direction of the course of study is determined by the student and instructor.

**Prerequisites & Notes:** Prerequisite: ART 2248.

**Credits:** 1 - 12 cr.

**ART 3350 - ADVANCED FIGURE DRAWING**

An advanced drawing course concentrating on the visual language of the proportion, gesture, and composition of the human figure. Focus will be on the figure as inspiration, subject matter and abstraction. Exploration of ideas, techniques and "master" works included.

**Prerequisites & Notes:** Prerequisites: ART 2248; ART 2240.

**Credits:** 1 – 6 cr. Dual Listed/Cross Listed: Dual listed with ART 2250/5550.

**ART 3351 - JEWELRY**

Study of two and three dimensional design concepts with emphasis on individual solutions in the medium of metal. Both precious and common materials will be used. Traditional techniques of jewelry making will be explored.

**Credits:** 3 cr.

**ART 3365 - COMPUTER ART**

Introduction to the methods, techniques, and approaches of the computer for graphic application and provide an effective, workable knowledge of computer graphic design that can be applied to the area of creative expression and teaching.

**Credits:** 1 - 6 cr. Dual Listed/Cross Listed: Dual listed with 4465/5565.

**ART 3393 - SPECIAL TOPICS**

The course is constructed each time it is offered to address different contemporary or historical issues, media and/or techniques of importance in art and art education. This course is recursive for 9 credits.

**Prerequisites & Notes:** Prerequisites: ART 2240; ART 2244; ART 2248; ART 2250.

**Credits:** 3 cr.

**ART 3446 - 3-D FIBERS**

Fibers construction. This course follows the fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles.

**Prerequisites & Notes:** Prerequisites: ART 2240; ART 2244; ART 2248 and ART 2250.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 4446/5546.

**ART 4362 - ADVANCED WATER BASE MEDIA**

The student and instructor determine the direction in the course of study.

**Prerequisites & Notes:** Prerequisite ART 3261.

**Credits:** 1 - 12 cr.

**ART 4401 - ADV OIL PAINTING**

The student and instructor determine direction in the course of study.

**Prerequisites & Notes:** Prerequisites: take ART-3301

**Credits:** 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

**ART 4403 - SEMINAR**

Provides art students with the opportunity to exchange ideas, enhance critical dialectic, and to participate in activities relevant to the professional artist and art educators. In addition, students enrolled in Art Seminar will compile, focus, reflect, and organize their educational experience at Mansfield University into an electronic vita and professional portfolio. This course will further prepare art education and art studio majors for either graduate school or professional employment.

**Credits:** 2 cr.

**ART 4404 - SPECIAL PROBLEMS IN ART**

Designed for students interested in extending their scope or gaining depth in specific

academic areas related to art and/or education. Since needs and conditions change with each student, the requirements and restrictions are determined by and arranged with the chairperson.

**Credits:** 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

### **ART 4430 - ADVANCED DIGITAL PHOTOGRAPHY**

An advanced course designed to focus on various techniques in shooting and digitally processing images with the purpose of developing communication skills and artistic visual language.

**Prerequisites & Notes:** ART 3330.

**Variable Credits:** 1-6 cr. Dual Listed/Cross Listed: 3350/5530

### **ART 4431 - ADV PRINTMAKING**

This course includes advanced problems and processes in woodcut, lithography, serigraphy, and drypoint intaglio.

**Prerequisites & Notes:** Prerequisites: ART-333 1.

**Credits:** 1 - 12 cr. Notes: May be repeated for a maximum of 1-2 credits.

### **ART 4442 - ADVANCED ADVERTISING, DESIGN, AND LETTERING**

An advanced course that explores the principles and practices of advertising and their relation to society and mass communication. Emphasis will be placed on new computer technology in the field of design, research, and media.

**Prerequisites & Notes:** Prerequisite: ART 3342.

**Credits:** 1 - 3 cr.

### **ART 4445 - ADVANCED FIBERS**

Direction of the course of study is determined by the student and instructor.

**Prerequisites & Notes:** Prerequisite: ART 3345.

**Credits:** 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

### **ART 4446 - ADVANCED 3-D FIBERS**

Fibers construction II. Advanced fiber constructions used by ancient peoples to create textiles. Felting leads to spinning. Knitting and knotless netting lead into weaving and basketry. The floor looms are used to explore color and pattern in woven textiles.

**Prerequisites & Notes:** Prerequisites: ART 2240; ART 2244; ART 2248; ART 2250.

**Credits:** 1 - 6 cr. Dual Listed/Cross Listed: Dual listed with 3346/5546.

### **ART 4451 - ADV JEWELRY**

The direction of the course of study is determined by the student and the instructor.

**Prerequisites & Notes:** Prerequisite: ART 3351.

**Credits:** 1 - 12 cr. Notes: May be repeated for a maximum of 12 credits.

### **ART 4461 - ADVANCED WATER BASE MEDIA**

The student and instructor determine direction in the course of study.

**Prerequisites & Notes:** Prerequisite: ART 3261

**Credits:** 1 - 12 cr.

**ART 4465 - ADVANCED COMPUTER ART**

Introduction to the methods, techniques and approaches of the computer for graphic application. To provide an effective, workable knowledge of computer graphic design that can be applied to the area of creative expression and teaching.

**Prerequisites & Notes:** Prerequisite: ART 3365

**Credits:** 1 - 6 cr.

**ART 4471 - ADVANCED CERAMICS**

The student and instructor determine direction in the course of study.

**Prerequisites & Notes:** Prerequisite: ART 3271..

**Credits:** 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

**ART 4481 - ADVANCED SCULPTURE**

The student and instructor determine direction in the course of study.

**Prerequisites & Notes:** Prerequisite: ART 3281.

**Credits:** 1 - 6 cr. Notes: May be repeated for a maximum of 12 credits.

**ART 4489 - INTERNSHIP**

A practical experience in a selected field of artistic endeavor designed to meet the students needs.

**Credits:** 1 - 12 cr. Notes: May be taken for 3 through 12 credits.

**ART 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

## Astronomy

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**AST 1105 - THE EXPLORATION OF THE SOLAR SYSTEM**

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the solar system.

**Credits:** 3 cr. Variable Credits: [3, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 1106 - ONE POSSIBLE UNIVERSE**

A descriptive astronomy course concerning contemporary astronomical and astrophysical theories about the universe.

**Credits:** 3 cr. Variable Credits: [3, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 1108 - OBSERVING THE AUTUMN SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during autumn. Students also learn pertinent historical, legendary, and astronomical facts about them.

**Credits:** 1 cr. Variable Credits: [1, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 1109 - OBSERVING THE WINTER SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during winter. Students also learn pertinent historical, legendary, and astronomical facts about them.

**Credits:** 1 cr. Variable Credits: [1, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 1110 - OBSERVING THE SPRING SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the spring. Students also learn pertinent historical, legendary, and astronomical facts about them.

**Credits:** 1 cr. Variable Credits: [1, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 1111 - OBSERVING THE SUMMER SKY**

Concentrates on the constellations, stars, and other celestial objects found in the evening sky during the summer. Students also learn pertinent historical, legendary, and astronomical facts about them.

**Credits:** 1 cr. Variable Credits: [1, 0, 0] General Education Requirement: May satisfy General Education requirements

**AST 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Variable Credits: [0, 0, variable] Notes: May be taken for 1 - 3 credits at one time.

## Biology

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**BI 1100 - ORIENTATION TO BIOLOGY**

Orientation to scientific disciplines with particular emphasis on biological sciences. Features guest speakers both from within and outside the university who will address current trends and opportunities in the biological fields. Required of all biology majors.

**Prerequisites & Notes:** Prerequisite: Biology major.

**Credits:** 1 cr.

**BI 1110 - ZOOLOGY**

An evolutionary approach to the study of the animal kingdom, with attention given to the development of organ systems throughout the several phyla of invertebrates and vertebrates. Function, correlated with structure and taxonomic features, is emphasized. Additional evidence for evolution is included through an introduction to genetics, embryology, and ecology.

**Credits:** 4 cr. General Education Requirement: May satisfy General Education requirements

**BI 1111 - FISH CULTURE I**

The technology of controlled husbandry of fish in flowing water. Major emphasis on solving problems relative to the intensive aquaculture.

**Prerequisites & Notes:** Prerequisite: BI 1100 and 1110 or permission of instructor.

**Credits:** 3 cr.

**BI 1112 - FISH CULTURE II**

The technology of controlled husbandry of fish in standing water. Major emphasis on the science of extensive aquaculture.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 1130 - BOTANY**

A study of plant structure, function, development diversity, and evolution. Practical applications in forestry, agronomy, gardening, and horticulture are included.

**Prerequisites & Notes:** Prerequisite: BI 1100 or permission of instructor.

**Credits:** 4 cr. General Education Requirement: May satisfy General Education requirements

**BI 2251 - TROPICAL MARINE BIOLOGY**

Tropical marine communities are among the richest and biologically most diverse in the oceanic environment. This course provides insight into the biology/ecology of the mangrove, inter-tidal, and coral reef ecosystems. A week-long visit to the tropics which includes snorkeling and diving provides students with firsthand experience.

**Credits:** 1 cr. General Education Requirement: May satisfy General Education requirements

**BI 3290 - RESEARCH METHODS**

Students will learn to design, conduct, and present empirical biological research. Topics to be covered will include the scientific method, experimental design, statistical analysis, biological literature, presentation of research, and research proposals. Students will also conduct group research projects.

**Prerequisites & Notes:** Prerequisites: BI 1110, BI 1130.

**Credits:** 2 cr.

**BI 3310 - PHYSIOLOGY**

A systematic study of the life processes and functions of the animal body with particular emphasis on the mammalian vertebrate.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 4 cr.

**BI 3312 - VERTEBRATE ANATOMY**

A history of vertebrates and comparative systems through the major vertebrate groups correlating their historical development.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.



**BI 3313 - ENTOMOLOGY**

Survey of the classification, structure, physiology, biology and economic importance of insects. An introduction to the study of insects as a major segment of the biological community. Laboratory exercises on anatomy and practice in the techniques of insect identification.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3314 - ICHTHYOLOGY**

A laboratory and field study of the fishes inhabiting the lakes and rivers of this area constitute the major portion of this course. Collection, measurement and chemical data as related to fish populations, management, and meristic characters will be collected and analyzed.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3315 - FISH PATHOLOGY**

A consideration of the diagnosis and treatment of diseases commonly found in hatchery fish. Diseases of bacterial, viral, parasitic, and environmental origin are studied together with recommended treatment for each.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3316 - INVERTEBRATE ZOOLOGY**

An integral evolutionary approach to the anatomy, physiology, and ecology of protozoan Protista and Animalia phyla: Porifera through nonvertebrate Chordata.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3317 - PARASITOLOGY**

A systematic study of host-parasite relationships. Emphasis involves life-cycles and comparative characteristics of parasitic protozoans, helminths and arthropods.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3318 - ORNITHOLOGY**

A study of the physiology, development, ecology, behavior, and evolution of birds. In the laboratory, students will learn to identify local bird species in the field, and will become familiar with the bird families of the world. Course includes required field trips.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3330 - PLANT PHYSIOLOGY**

Designed to develop an understanding of the chemical and physical processes occurring in plants including respiration, photosynthesis, hormonal activity, osmosis, transpiration, mineral absorption and translocation. The laboratory work will involve analysis of these functions.

**Prerequisites & Notes:** Prerequisite: BI 1130.

**Credits:** 3 cr.

**BI 3331 - LOCAL FLORA**

Taxonomic and ecological study of local flowering and non-flowering plants.

**Prerequisites & Notes:** Prerequisite: BI 1130.

**Credits:** 3 cr.

**BI 3350 - ECOLOGY**

A study of the fundamental ecological principles of plants and animals in their environment.

**Credits:** 4 cr.

**BI 3351 - LIMNOLOGY**

A study of the ecology of inland waters with emphasis on the chemical, physical and biological factors which influence productivity. Coverage also includes water use and pollution control, pollution evaluation techniques and regulatory information.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 3 cr.

**BI 3352 - MANAGEMENT OF SMALL IMPOUNDMENTS**

Theory, practice, and demonstration of managing farm ponds for optimal sport fishing.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5561.

**BI 3353 - MANAGEMENT OF STREAMS AND LARGE IMPOUNDMENTS**

Theory, practice, and demonstration of managing streams, rivers, natural lakes, and large impoundments for optimal sport fishing.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with 5562.

**BI 3354 - MARINE BIOLOGY**

Studies basic to the biology and ecology of marine organisms. Practical applications such as biological/ecological sampling techniques and species identification are covered in the laboratory and on a coastal field trip.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 3 cr.

**BI 3355 - PALEOBIOLOGY**

Examines the origin and subsequent evolution of life over the past four billion years. The paleobiology and geologic history of major animal and plant groups are discussed. The course includes field trips to local and regional fossil sites.

**Prerequisites & Notes:** Prerequisites: BI 1110, BI 1130 and BI 3350.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 3335 Paleoanthropology.

**BI 3356 - ANIMAL BEHAVIOR**

A study of the neuronal, hormonal, and evolutionary foundations of animal behavior in invertebrate and vertebrate taxa. Behaviors such as feeding, communication, mating, and caring for offspring are discussed. Emphasis is placed on the use of the scientific method to discover principles of animal behavior, the appropriate design of animal behavior experiments, and the analysis of data.

**Prerequisites & Notes:** Prerequisite: BI 1110.

**Credits:** 3 cr.

**BI 3357 - EPIDEMIOLOGY**

The study of distribution and determinants of disease and injury in populations. Provides an introduction into community health and medical problems and services. Problem solving, case-control studies, and statistical analysis are emphasized.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 3 cr.

**BI 3358 - PLANT-ANIMAL INTERAC**

Students will investigate the complexities and subtleties of mutualistic, antagonistic, and commensalistic interactions between plants and animals. Topics discussed will include co-evolution, pollination biology, plant-herbivore interactions, seed dispersal and predation, ant-plant interactions, and carnivorous plants. Students will conduct empirical research in the laboratory and the field.

**Prerequisites & Notes:** Prerequisite: BI 3350.

**Credits:** 4 cr.

**BI 3370 - CELL BIOLOGY**

A study of the cellular level of life with emphasis on cellular structures and their relationship to movement, function, and energy transformation. Cellular genetics and the cellular approach to medicine are also discussed.

**Credits:** 4 cr.

**BI 3371 - MICROBIOLOGY**

An introductory course with emphasis on the basic principles and concepts of microbiology concerning anatomy, classification, physiology, medical and practical uses of micro-organisms. The laboratory helps students develop aseptic technique.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 4 cr.

**BI 3372 - GENETICS**

A study of basic principles and concepts of classical and molecular genetics. Emphasis will be on linkage analysis, structural, biochemical and molecular genetics.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 3373 - GENETIC RESEARCH**

Study and application of cell and molecular genetics techniques to prokaryotes and eukaryotes. Students will become acquainted with the methodologies of modern genetic research and biotechnology.

**Prerequisites & Notes:** Prerequisite: BI 3370 and 3372

**Credits:** 2 cr.

**BI 3374 - IMMUNOLOGY**

The study of antigens and antibodies encompassing the fields of the immune response, autoimmunity, allergic reactions, tumor immunology, tissue graft and transplant biology.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 3375 - DEVELOPMENTAL BIOLOGY**

A comparative survey of the development of representative animals from several phyla with emphasis on gamete formation, fertilization, embryonic development, organogenesis, growth, and biological aging. The laboratory combines examples of live plant and animal development with prepared slides of frog and chick embryology.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 3376 - ANIMAL HISTOLOGY AND BASIC MICRO TECHNIQUES**

A systematic study of the microanatomy of the vertebrate body starting with cells and tissues and working through the complete organ systems.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 3378 - TISSUE CULTURE**

The study of eukaryotic cell culture and molecular techniques. Students will become competent in tissue culture methods used in research laboratories.

**Prerequisites & Notes:** Prerequisites: BI 3370 and BI 3371

**Credits:** 2 cr. General Education Requirement: One hour lecture, three hours lab per week.

**BI 3381 - ENVIRONMENTAL MICROBIOLOGY**

An introductory course in microbiology with emphasis on the basic principles and concepts of microbiology focusing on the diversity of microbes, their metabolism, and their role in the environment. The laboratory helps students develop culturing techniques and other commonly used microbiological techniques.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 4 cr.

**BI 3390 - BIostatistics AND EXPERIMENTAL DESIGN**

Presents to science students a description of the processes of experimental design, selection of appropriate statistical tests to analyze experimental data, and performance of these tests using current software.

**Credits:** 3 cr.

**BI 3391 - EVOLUTION**

A study of the basic theory, mechanisms, and pathways of natural selection. Also studies the development of evolutionary thought from antiquity to the current gradualist and punctuated equilibrium models. Both genetic and paleontological data are analyzed in examining micro and macroevolutionary scenarios.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 3390 Evolution.

**BI 3392 - HUMAN DIMENSIONS IN FISH MANAGEMENT**

Fish Management is the provision for people of a sustained benefit from their use of living aquatic resources and involves the biological, ecological, economic and sociological components of a system that provides aesthetic and other non-tangible benefits to people as well as fish for consumption. The biology of fishes and fisheries in the broad context of its role as a part of a larger society is the subject of BI 3392. The course is designed to fulfill three credits of the human dimensions requirement for certification by The American Fisheries Society.

**Credits:** 3 cr.

**BI 4450 - INTERNSHIP**

The biology internship gives students the opportunity to apply knowledge and skills in the biological sciences while working with a public or private agency involved in aspects of applied biology. The practical experience thus acquired both supplements and reinforces the more academic aspects of biology stressed in the classroom.

**Credits:** 1 - 12 cr. **Notes:** May be taken for 1 through 12 credits. No more than 10 credits count toward the major.

**BI 4451 - PRACTICUM IN FISHERIES**

The practicum in fisheries provides students the opportunity to apply knowledge and skills in the fisheries or aquatic biology sciences while working with a public or private agency involved in aspects of applied biology. The practical experience thus acquired both supplements and reinforces the more academic aspects of biology stressed in the classroom.

**Credits:** 1-4 cr.

**BI 4470 - MOLECULAR BIOLOGY**

An examination of the principles and techniques underlying the chemical and physical aspects of living systems. A study of the structure and activities of biological molecules which, properly integrated, constitute all forms of life. The laboratories will demonstrate techniques of the activities, separation and analysis of these molecule forms.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 4471 - CELL PHYSIOLOGY**

A study of a specialized field of cell biology which emphasizes phenomena dealing with the nature of the cell membrane and its transport activities, the reaction of cells to changes in environment, the mechanism of cell excitability and contraction, and other manifestations of cellular functioning such as nutrition, growth and secretion.

**Prerequisites & Notes:** Prerequisite: BI 3370.

**Credits:** 3 cr.

**BI 4491 - AQUACULTURE RESEARCH**

A special research project is initiated by the student to increase his/her expertise in investigating a scientific problem and reporting the results in the form of a scientific paper. The research is conducted under the guidance of a faculty member who has special expertise in the subject area.

**Prerequisites & Notes:** Prerequisite: BI 3290.

**Credits:** 1 - 3 cr. **Notes:** May be taken for one through three credits.

**BI 4496 - SEMINAR**

In this capstone course students will prepare a scientific paper and an oral presentation, both of which will be based on a previously completed independent study research project. The course will improve students' abilities to effectively communicate as a professional scientist, and in addition will help to prepare students to enter the job market or attend graduate school.

**Prerequisites & Notes:** Prerequisites: BI 4497 or BI 4491.

**Credits:** 1 cr.

**BI 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Prerequisites & Notes:** Prerequisite: BI 3290.

**Credits:** 1 - 3 cr. Notes: May be taken for one, two or three credits at one time.

**BI 4498 - SEMINAR IN ENVIRONMENTAL SCIENCE**

An upper level seminar that integrates and applies concepts and skills taught in the basic courses of the environmental science emphasis.

**Credits:** 1 cr.

**BSC 1101 - GENERAL BIOLOGY**

An introduction to biological processes; study and discussion of these processes together with ecological aspects of life. The laboratory stresses demonstration and analysis of biological processes.

**Credits:** 4 cr. General Education Requirement: May satisfy General Education requirements

**BSC 1102 - CONTEMPORARY BIOLOGICAL PROBLEMS**

There is no fixed syllabus. Topics are current and usually changed for each semester. Guest lecturers will be given time to present their specialties.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**BSC 1103 - ENVIRONMENTAL BIOLOGY**

General education course for non-science majors. It provides students with biological explanations of environmental issues such as pollution, acid rain, global warming, environmental toxicology, forestry, wildlife conservation, etc.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**BSC 1104 - HUMAN BIOLOGY**

An overview of the human organism. Emphasis involves organization, maintenance, movement and support, integration, reproduction, genetics, evolution, and ecology of humans.

**Credits:** 4 cr. Dual Listed/Cross Listed: Dual listed with ANH 1102 Introduction to Biological Anthropology General Education Requirement: May satisfy General Education requirements

**BSC 1121 - HUMAN ANATOMY AND PHYSIOLOGY**

This course presents an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 1121) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor.

**Credits:** 1-4 cr. General Education Requirement: May satisfy General Education requirements

**BSC 1122 - HUMAN ANATOMY AND PHYSIOLOGY II**

A continuation of BSC 11 21. This completes an integrated approach to the study of the anatomy and physiology of the various organ systems of the human body. Enrollment in Human Anatomy & Physiology I (BSC 11 22) is restricted to majors in Nursing, Nutrition & Dietetics, Music Therapy, Respiratory Therapy and Radiology Technology or permission of instructor.

**Credits:** 4 cr. General Education Requirement: May satisfy General Education requirements

**BSC 2250 - FIELD METHODS IN ENVIRONMENTAL BIOLOGY**

A survey of the methods employed in ecological studies of terrestrial and aquatic environments; includes extensive amounts of field work, data analysis and technical report preparation.

**Prerequisites & Notes:** Prerequisite: BSC 101 or equivalent. BI 350 recommended.

**Credits:** 3 cr.

**BSC 3271 - MICROBIOLOGY FOR HEALTH SCIENCES**

An introductory course for health science students emphasizing the basic principles and concepts of microbial anatomy, classification, physiology, and their practical applications as well as developing aseptic techniques.

**Prerequisites & Notes:** Prerequisites: None. Offered every spring.

**Credits:** 4 cr. General Education Requirement: May satisfy General Education requirements

## Business

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**BUS 1130 - INTRODUCTION TO BUSINESS AND MANAGEMENT**

Studies an overview of the broad concept of business functions. Provides a foundation for understanding the relationship between essential activities of business. Helps students to determine and pursue their areas of interest and aptitude.

**Credits:** 3 cr.

**BUS 2202 - PERSONAL FINANCE**

The focus of this course is to provide financial decision making tools and techniques of money management. The course will analyze handling of financial records, financing of home and automobiles, financing of education, estate and retirement planning.

**Credits:** 3 cr.

**BUS 3260 - ENTREPRENEURSHIP**

Introduces students to the REAL (Rural Entrepreneurship Through Action Learning) Program, which aids in the development of a business plan. The course stresses the necessary knowledge unique to running and managing a small firm. It focuses on the business planning process and the characteristics important in running a successful business.

**Credits:** 3 cr.

**BUS 3302 - MANAGERIAL DECISION MAKING**

Examines decision making as a multi-dimensional process. A variety of models and

frameworks, quantitative and qualitative, are offered as a rational approach to managerial decisions.

**Prerequisites & Notes:** Prerequisite: BUS 2230.

**Credits:** 3 cr.

### **BUS 3310 - MANAGING DIVERSITY**

Presents in-depth information of changes in demographic composition, cultural profiles, values, and lifestyles. Provides students with necessary skills to effectively function in the global marketplace, manage employee differences, and improve productivity.

**Credits:** 3 cr.

### **BUS 3321 - ENVIRONMENT AND MANAGEMENT OF INTERNATIONAL BUSINESS**

Provides a managerial view point of the dynamics of international business. Topics covered include history and scope of international business, international trade theory, foreign direct investment, governmental influences on trade and regional economic integration, and sociocultural and legal factors on MNCs.

**Prerequisites & Notes:** Prerequisite: MGT 2230, ECO 1101 and 1102.

**Credits:** 3 cr.

### **BUS 3332 - PROMOTION IN MARKETING**

Examines the promotion functions of the marketing program. It also helps students to analyze marketing communication opportunities, planning, and execution of the marketing program.

**Prerequisites & Notes:** Prerequisite: BUS 3330.

**Credits:** 3 cr.

### **BUS 3349 - QUANTITATIVE BUSINESS ANALYSIS**

Provides a systematic application of modern quantitative tools and techniques in practical situations. Topics include hypothesis testing, probability distribution, simple and multiple regression, and time series analysis.

**Prerequisites & Notes:** Prerequisite: MA 11 25.

**Credits:** 3 cr.

### **BUS 3350 - OPERATIONS MANAGEMENT**

A study and use of analytical tools for demand forecasting, use of system design and measurement, inventory control and resource allocation. Specialized and analytical techniques are used to deal with practical situations.

**Prerequisites & Notes:** Prerequisite: MA 11 25 and 11 70 or MA 223 1.

**Credits:** 3 cr.

### **BUS 3450 - BUSINESS PRACTICUM**

Supervised and evaluated participation in the regular activities of a business organization, government agency or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to document work experience and have positive performance evaluation from immediate supervisor.

**Prerequisites & Notes:** 60 credits earned.

**Credits:** 1-15 **Notes:** The course may be taken for 1 - 5 credits. All practicum credits are considered free electives.



**BUS 4402 - CORPORATE FINANCE**

Focus on how individuals, financial institutions, and corporations make investment and financing decisions over multiple time period in an uncertain environment. Topics include theory of choice, efficient capital markets, CAPM and APT, capital budgeting under uncertainty, capital structure theories and policies, dividend policy, mergers and restructuring, and elements of international financial management.

**Prerequisites & Notes:** Prerequisites: MA 1125, MA 1170, ECO 1101.

**Credits:** 3 cr.

**BUS 4403 - BUSINESS AND AMERICAN FOREIGN POLICY**

Provides a systematic look at the U. S. Foreign policy on international business. Topics covered include economic, social and political objectives of foreign policy, the impact of foreign policy on East-West trade relations, emerging market economies in eastern Europe and U.S. foreign policy, NAFTA, GATT, GSP and U.S. multinational corporations.

**Prerequisites & Notes:** Prerequisite: ECO 1101 or 1102 and MGT 2230.

**Credits:** 3 cr.

**BUS 4410 - BUSINESS LAW I**

Introduces the legal environment of business and its role in modern society. Topics include the formation of contracts, sales, negotiable instruments, bank deposits and collections, secured transactions, and business organization. Emphasizes social and ethical considerations, terminology, fundamental legal principles, and analysis.

**Credits:** 3 cr.

**BUS 4441 - FINANCIAL STATEMENT ANALYSIS**

Analyzes financial statements issued by public held organizations. Emphasis is on the use of financial statements by creditors, investors, and those who are external to the enterprises. Topics include cash flow analysis, standards of financial analysis, and off-balance sheet financing.

**Prerequisites & Notes:** Prerequisite: ACC 1111, MA 1125.

**Credits:** 3 cr.

**BUS 4450 - BUSINESS INTERNSHIP**

Supervised and evaluated participation in the regular activities of a business, government agency, or not-for-profit organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience and have a positive performance evaluation by immediate supervisor.

**Prerequisites & Notes:** 60 credit hours earned.

**Credits:** 6 – 15 cr. Notes: May be taken for 1 through 15 credits. All credits are free electives.

**BUS 4490 - STRATEGIC MANAGEMENT and BUSINESS POLICY**

This capstone course integrates the concepts students have been learned in the various business functional areas. It includes environmental scanning, strategy formulation, strategy implementation and evaluation and control. The course deals with the critical managerial issues and decisions that determine the long-run performance of an organization.

**Prerequisites & Notes:** Prerequisites 75 earned credits; ECO 1101; ACC 1111.

Co-requisites: BUS 3330; BUS 3349.

**Credits:** 3 cr. General Education Requirement: Writing Information Literacy

### **BUS 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for one, two or three credits at one time.

## **Canadian Studies**

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### **CDN 1101 - INTRODUCTION TO CANADA**

An interdisciplinary course. Provides a comprehensive introduction to Canada stressing the basics of geography, history, economics, politics, and culture before taking up various contemporary issues, among them: constitutional reform, environmental issues, and the sovereignty of Canada's Native People.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **CDN 3370 - FOREIGN STUDY – CANADA**

Open to students who wish to study in Canada. Plans for study at a Canadian university should be presented at least one semester prior to departure. Number of credits granted will be based on validated credentials presented to the Canadian Studies program. The student should register for CDN 33 70-3380 prior to departure. Students should consult the regulations for study-abroad available in the Office of the Provost/Vice President for Academic Affairs.

**Credits:** 1 - 3 cr.

### **CDN 3371 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

### **CDN 3372 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

### **CDN 3373 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

### **CDN 3374 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

### **CDN 3375 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 3376 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 3377 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 3378 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 3379 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 3380 - FOREIGN STUDY – CANADA**

See CDN 3370 for course description.

**Credits:** 1 - 3 cr.

**CDN 4450 - INTERNSHIP**

Supervised participation in a business or government agency in Ontario or Quebec, or in a U.S. business or government agency with Canadian interests.

**Prerequisites & Notes:** Prerequisite: CDN 1101 and 6 credits in Canadian Studies.

**Credits:** 1 - 6 cr. Notes: May be taken for 1 through 6 credits.

**CDN 4490 - SELECTED TOPICS IN CANADIAN STUDIES**

An in-depth study of an issue or problem in Canadian culture, politics or business.

**Prerequisites & Notes:** Prerequisite: CDN 11 01 or permission of instructor.

**Credits:** 3 cr.

## Chemistry

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**CHM 1101 - INTRODUCTORY CHEMISTRY**

A treatment of fundamental principles for non-science majors. Does not meet degree requirements for chemistry or biology majors.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

**CHM 1102 - ORGANIC AND BIOCHEMISTRY**

Deals with the principles of organic and biochemistry and their application to topics such as nutrition, consumer products, and the environment. In the laboratory students carry out various reactions, syntheses, analyses, and separations that exemplify the practice of organic and biochemistry. This course does not meet degree requirements for chemistry or biology majors.

**Prerequisites & Notes:** Prerequisite: CHM 11 01 or permission of instructor.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

**CHM 1103 - CHEMISTRY AND THE ENVIRONMENT**

Examines the theory and practice of chemistry and its relationship with the environment. The impact of modern day living on the environment will be examined. Topics treated will be integrated and historically developed. This course is intended for General Education science credit and does not meet degree requirements for the chemistry major.

**Credits:** 3 cr. Variable credits: [3, 0, 0] General Education Requirement: May satisfy General Education requirements

**CHM 1105 - HOW DRUGS WORK**

This lecture course outlines the mechanisms by which drugs exert their effects on the body. It begins with a discussion of molecular structures of drugs and their targets in the body, and then reviews physiological aspects of various disease states and the ways different drug classes modify the relevant physiology. This course is intended for General Education science credit and does not meet degree requirements for the chemistry major.

**Credits:** 3 cr. Variable Credits: [3, 0, 0] General Education Requirement: May satisfy General Education requirements

**CHM 1106 - CHEMISTRY FOR THE ALLIED HEALTH SCIENCES**

A one-semester survey course for non-science majors. General organic, biochemistry, and clinical chemistry are emphasized for students in health support programs.

**Credits:** 4 cr. Variable Credits: [4, 0, 0]

**CHM 1110 - SURVEY OF CHEMISTRY, INTRODUCTORY, ORGANIC, AND BIOLOGICAL**

A survey course for non-science majors. General, Organic, and Biological Chemistry are emphasized. DOES NOT meet degree requirements for chemistry and biology majors.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

**CHM 1111 - GENERAL CHEMISTRY I**

For science majors. A study of the fundamental principles of chemistry from the standpoint of stoichiometry, gases, states of matter, solution reactions, bonding, atomic and molecular structure. Laboratory sessions stress the chemical principles discussed in the lecture.

**Credits:** 4 cr. Variable Credits: [3, 0, 3] General Education Requirement: May satisfy General Education requirements

**CHM 1112 - GENERAL CHEMISTRY II**

A continuation of 1111: kinetics, thermodynamics, oxidation-reduction, acid-base theory and equilibrium are studied.

**Prerequisites & Notes:** Prerequisite: CHM 1111.

**Credits:** 4 cr. Variable Credits: [3, 0, 3] General Education Requirement: May satisfy General Education requirements

**CHM 2201 - INTRODUCTION TO BIOCHEMISTRY**

An introductory course in biochemistry with particular emphasis on human nutrition. Major topics are fuel management and the organization and control of metabolic pathways. The laboratory component includes separation, analysis, and properties of

carbohydrates, lipids, amino acids, and enzymes. This course does not meet degree requirements for chemistry and biology majors.

**Prerequisites & Notes:** Prerequisite: CHM 11 02.

**Credits:** 4 cr. Variable Credits: [3, 0, 2]

### **CHM 3264 - CHEM MTDS FOREN SCI**

An advanced treatment of the chemical methods used in the investigation of criminal activities. The use and reliability of chemical tests, solubilities, and reactions as well as the chemistry of chromatographic, spectroscopic and instrumental analysis will be included.

**Prerequisites & Notes:** Prerequisites: CHM-1 11 0 SCI-1104 SCI-1 1 07. Co-requisite course: CHM-3264L

**Credits:** 3 cr. Variable Credits: [2, 0, 2]

### **CHM 3301 - ORGANIC CHEMISTRY I**

Fundamentals of organic chemistry are presented. Modern theory, reaction mechanisms and stereochemistry are included along with nomenclature, preparation, reactions and properties of organic compounds. The laboratory stresses syntheses, chemical and physical properties and an introduction to instrumental techniques. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations.

**Prerequisites & Notes:** Prerequisite: CHM 1112.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

### **CHM 3302 - ORGANIC CHEMISTRY II**

A continuation of 3301. The laboratory period includes one hour of lecture on theory and techniques of laboratory operations.

**Prerequisites & Notes:** Prerequisite: CHM 3301.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

### **CHM 3311 - QUANTITATIVE ANALYSIS**

An introductory course in analytical chemistry emphasizing classical titrimetric and gravimetric methods and related theories.

**Prerequisites & Notes:** Prerequisite: CHM 1112.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

### **CHM 3321 - PHYSICAL CHEMISTRY I**

An introduction to the methods and topics of physical chemistry. Topics include introduction to thermodynamics, equilibria, kinetics, atomic structure, and molecular spectroscopy.

**Prerequisites & Notes:** Prerequisite: CHM 1112, 3302, MA223 1, PHY 221 0 and 2211.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

### **CHM 3322 - PHYSICAL CHEMISTRY II**

A continuation of 3321. Advanced study of the methods and topics covered in physical chemistry I. MA 2233 is required.

**Prerequisites & Notes:** Prerequisite: CHM 3321 and MA 2232.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

**CHM 3332 - INSTRUMENTAL ANALYSIS**

Deals with the principles and applications of instrumental methods in chemical analysis. Studies include electroanalytical, spectrophotometric, and chromatographic techniques.

**Prerequisites & Notes:** Prerequisite: CHM 33 11.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

**CHM 3341 - BIOCHEMISTRY**

A study of carbohydrates, lipids, proteins, enzymes, nucleic acids, vitamins, and hormones in terms of structure, function, and synthesis in living systems. The laboratory includes the isolation, identification, and chemical behavior of biochemically important molecules.

**Prerequisites & Notes:** Prerequisite: CHM 3302 or permission of instructor.

**Credits:** 4 cr. Variable Credits: [3, 0, 3]

**CHM 3352 - RADIOCHEMISTRY**

The study of radioisotope methodology. A laboratory oriented course familiarizing the student with radiation detection and applications in natural science problems.

**Prerequisites & Notes:** Prerequisite: junior or senior standing or permission of instructor.

**Credits:** 3 cr. Variable Credits: [2, 0, 3]

**CHM 4410 - SEMINAR**

Deals with reports emphasizing chemical literature searches and/or current research.

**Prerequisites & Notes:** Prerequisite: upper division chemistry major.

**Credits:** 1 cr. Variable Credits: [1, 0, 0]

**CHM 4420 - QUALITATIVE ORGANIC CHEMISTRY**

The identification of organic compounds by various classical and instrumental techniques.

**Prerequisites & Notes:** Prerequisite: CHM 3302.

**Credits:** 3 cr. Variable Credits: [2, 0, 4]

**CHM 4421 - ADVANCED ORGANIC CHEMISTRY**

An advanced lecture course designed to deepen and expand knowledge in the field. Topics such as reactions, mechanisms, reactive intermediates, photochemistry, kinetics, stereochemistry, natural products, and spectroscopy may be stressed.

**Prerequisites & Notes:** Prerequisite: CHM 3302 and 3321.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**CHM 4431 - ADVANCED INORGANIC CHEMISTRY**

A presentation of atomic structure and periodic properties. In addition to other topics; valence bond, molecular orbital, crystal and ligand field theories are treated. Laboratory sessions include one hour of lecture on theory and techniques in the preparation of representative compounds.

**Prerequisites & Notes:** Prerequisite: CHM 1112 and 3321.

**Credits:** 4 cr. Variable Credits: [3, 0, 4]

**CHM 4432 - STRUCTURAL CHEMISTRY**

The symmetry and structural properties of molecular systems are utilized to determine their energy levels. The electronic and vibrational spectroscopic properties of these systems will be predicted also utilizing symmetry properties. These spectra-structure correlations will be made on organic and inorganic systems.

**Prerequisites & Notes:** Prerequisite: CHM 3302 and 3321.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**CHM 4490 - PROBLEMS IN CHEMISTRY**

Involves the student in study projects under the direct supervision of an instructor. Library and laboratory research in selected problems.

**Prerequisites & Notes:** Prerequisite: Permission of instructor.

**Credits:** 1 - 3 cr. Variable Credits: [0, 0, variable] Notes: May be taken for one through three credits.

**CHM 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Variable Credits: [0, 0, variable] Notes: May be taken for 1 - 3 credits at one time.

## Computer Information Science

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**CIS 1101 - COMPUTERS IN SOCIETY**

Examines the impact of computers on modern society and how they are programmed and used. A variety of computer applications from the social sciences, humanities, natural sciences, and professions will be studied.

**Credits:** 3 cr.

**CIS 1102 - VISUAL BASIC PROGRAMMING**

Introduces problem solving through the use of the programming language, Visual Basic. Enables students to write programs, which they can use for Windows development, scientific computing, spreadsheet design, and database work.

**Credits:** 3 cr.

**CIS 1103 - INTRODUCTION TO MICROCOMPUTERS**

Introduces an operating System for microcomputers and the use of word processing, spreadsheet, and presentation software.

**Credits:** 3 cr.

**CIS 1104 - COMPUTER SCIENCE I**

Introduces a high-level programming language as a means of studying problem solving, algorithms, and program structure. Includes data representation, repetition, selection, modular programming, debugging, and verification of programs.

**Credits:** 1 3 cr.

**CIS 2203 - SOFTWARE FOR BUSINESS APPLICATIONS**

Advanced applications of spreadsheets, data base management systems, and graphics.

**Credits:** 3 cr.

**CIS 2204 - COMPUTER SCIENCE II**

Emphasizes algorithms, structured programming and program analysis and design. Topics include files, records, recursion, string manipulation, graphics, and dynamic data structures.

**Prerequisites & Notes:** Prerequisite: CIS 11 04

**Credits:** 3 cr.

**CIS 2206 - BUSINESS PROGRAMMING CONCEPTS I**

An introduction to analyzing and designing solutions to business-related problems using a business programming language.

**Prerequisites & Notes:** Prerequisite: CIS 11 04.

**Credits:** 3 cr.

**CIS 3300 - PROGRAMMING LANGUAGES**

Comparative study of current programming languages. Examines the structure of languages and their use in problem solving.

**Prerequisites & Notes:** Prerequisites: CIS 2204 and 3330.

**Credits:** 3 cr.

**CIS 3301 - DATA STRUCTURES**

Topics covered are data types, arrays, records, stacks, queues, linked lists, and trees. Other more advanced topics may include: file structures, recursion, heuristics, and hashing.

**Prerequisites & Notes:** Prerequisite: CIS 2204.

**Credits:** 3 cr.

**CIS 3303 - WEB SITE DESIGN**

An introduction to the principles of Web Site Design. The syntax and semantics of HTML is covered. Multimedia elements will also be introduced.

**Credits:** 3 cr.

**CIS 3306 - BUSINESS PROGRAMMING CONCEPTS II**

A second course in business programming stressing data processing and advanced programming techniques.

**Prerequisites & Notes:** Prerequisite: CIS 2206

**Credits:** 3 cr.

**CIS 3308 - OPERATIONS RESEARCH**

The development and use of the techniques of operations research. Topics include linear programming, queuing theory, probabilistic inventory models and simulation.

**Prerequisites & Notes:** Prerequisites: CIS 2203 or 2204; MA 1125 or 3314; MA 1129, 3260 or 3280; MA 11 70 or 2231.

**Credits:** 3 cr.



**CIS 3309 - MANAGEMENT INFORMATION SYSTEMS**

This is an introductory course to computer-based information systems (CBIS) with emphasis on information processing systems as a tool for management of organizations. This course requires that students learn to use software and hardware to facilitate managerial decision-making, planning, and control.

**Prerequisites & Notes:** Prerequisites: CIS 1104 or CIS 2203.

**Credits:** 3 cr.

**CIS 3310 - SYSTEMS ANALYSIS**

An introduction to the concepts of systems analysis and design. Problem definition; data gathering, information analysis, presentation techniques, implementation planning, system controls, documentation.

**Prerequisites & Notes:** Prerequisites: BUS 1130 or 2230, and CIS 2203 or 2206.

**Credits:** 3 cr.

**CIS 3311 - SOFTWARE ENGINEERING**

This is an introductory course which covers the application of engineering principles to the building of computer software. It provides a general overview to the field of Software Engineering. Topics may include theories, tools, and methods for the systematic representation, design, implementation, verification, validation, management, and maintenance of computer software systems.

**Prerequisites & Notes:** Prerequisite: CIS 3301.

**Credits:** 3 cr.

**CIS 3314 - (ACC) AUTOMATED ACCOUNTING SYSTEMS**

Introduction to the development and implementation of an accounting information system.

**Prerequisites & Notes:** Prerequisites: ACC 331 5 and CIS 2203 or permission of instructor.

**Credits:** 3 cr.

**CIS 3320 - COMPUTER ARCHITECTURE**

Classification of computers. Defining hardware and software interfaces within a computer system. Special purpose architectures.

**Prerequisites & Notes:** Prerequisite: CIS 3330

**Credits:** 3 cr.

**CIS 3325 - OPERATING SYSTEMS**

Functions and characteristics of an operating system: concurrent processes, system nucleus, memory management, input and output, filing system, resource allocation and scheduling, system protection and reliability, and job control.

**Prerequisites & Notes:** Prerequisites: CIS 3301 and 3330.

**Credits:** 3 cr.

**CIS 3330 - COMPUTER ORGANIZATION**

Overview of computer hardware, computer structure, machine representation of information, instruction codes, addressing, concepts of digital logic, microprogramming and assembly language programming.

**Prerequisites & Notes:** Prerequisite: CIS 11 04.

**Credits:** 3 cr.

**CIS 3335 - ASSEMBLY LANGUAGE PROGRAMMING**

Explores assembly language programming including macro and subroutines. Emphasis will be on application and systems programming including machine organization for a general purpose computer.

**Prerequisites & Notes:** Prerequisites: CIS 2204 and 3330.

**Credits:** 3 cr.

**CIS 3340 - DATABASE SYSTEMS**

First course in the theory and use of database management systems. Provides experience in the creation of an actual database system and the manipulation of the data in it.

**Prerequisites & Notes:** Prerequisites: CIS 3301 and CIS 3306.

**Credits:** 3 cr.

**CIS 3350 - ANALYSIS OF ALGORITHMS**

An introduction to the study of the theory and design of algorithms. Topics may include analysis of Abstract Data Types (ADTs), NP-Completeness, study of various graph algorithms, searching and sorting algorithms, and a look at algorithm design techniques such as greedy algorithms, divide and conquer, dynamic programming, and branch-and-bound.

**Prerequisites & Notes:** Prerequisite: CIS 3301.

**Credits:** 3 cr.

**CIS 3361 - ANALYTICAL METHODS OF INFORMATION SCIENCE**

The study of key mathematical developments in computer science. Topics will include: sets, functions, relations, graphs, and digraphs. Other computer-specific topics may include: recursion, finite state machines, formal language theory, list processing support for management and decision functions.

**Prerequisites & Notes:** Prerequisites: CIS 2204 and 3330.

**Credits:** 3 cr.

**CIS 3390 - NETWORKING 1**

Introduction to the underlying principles of networking. Concepts of network protocols and network applications are covered. TCP/IP principles will be taught.

**Prerequisites & Notes:** Prerequisites: CIS 2204.

**Credits:** 3 cr.

**CIS 4309 - E-COMMERCE SYSTEMS**

This course provides tools, skills, and an understanding of technology, business concepts and issues that surround the emergence of electronic commerce. The student develops an understanding of the current practices and opportunities in electronic publishing, electronic shopping, electronic distribution, and electronic collaboration. The student also explores several of the problem areas in electronic commerce.

**Prerequisites & Notes:** Prerequisite: CIS 3309 or permission of instructor.

**Credits:** 3 cr

**CIS 4420 - SPECIAL PROBLEMS IN COMPUTER APPLICATIONS**

Study of a specialized topic. Possible topics include Computer Aided Design, Data Base Systems, Telecommunications, Advanced Business Programming.

**Credits:** 1 - 3 cr.

**CIS 4430 - PROGRAM TRANSLATION**

The theoretical aspects of program translation: Compilers, assemblers, and interpreters

**Prerequisites & Notes:** Prerequisites: CIS 3301 and 3330.

**Credits:** 3 cr.

**CIS 4440 - ARTIFICIAL INTELLIGENCE**

The application of computers to solve problems and to understand the principles of human intelligence including search, reasoning, and problem reduction. Applications to games, expert systems, natural language, learning, robotics, and computer vision.

**Prerequisites & Notes:** Prerequisite: CIS 2204.

**Credits:** 3 cr.

**CIS 4441 - SWITCHING THEORY AND LOGIC DESIGN**

An introduction to electronic circuits used in digital systems including computers, instruments, communications systems, and control systems. Topics include Boolean algebra, switching theory, logic design, and major digital circuit lines.

**Prerequisites & Notes:** Prerequisites: CIS 2204 and 3330.

**Credits:** 3 cr.

**CIS 4450 - ORGANIZATIONAL INTERNSHIP**

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the field experience.

**Credits:** 6 - 12 cr. Notes: May be taken for 1 through 12 credits. No more than 6 credits count toward the major.

**CIS 4490 - NETWORKING II**

Second course in data and computer communications. Communication principles, computer requirements, networking, standards, and future trends and issues will be examined.

**Prerequisites & Notes:** Prerequisites: CIS 3390 and CIS 3330.

**Credits:** 3 cr.

**CIS 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## **Criminal Justice**

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**CJA 1100 - INTRODUCTION TO CRIMINAL JUSTICE**

An introduction to the field of criminal justice, its major components, roles and functions. Emphasis is placed upon concepts of law and the historical descriptive analysis of the police, courts, and corrections.

**Credits:** 3 cr.

**CJA 2200 - SURVEY OF POLICING**

Introduction to law enforcement problems and practices; its legal, political, and historical framework. An analysis of police organizations and their relationship with other criminal justice and social agencies.

**CJA 2201 - SURVEY OF CORRECTIONS**

Origin and history of incarceration practices and procedures; associated organizational, criminological and phenological concepts; categories of inmates and laws affecting classification; special custody problems and treatment programs, staff organization; professional, administrative and custodial personnel training, recruitment and promotions; interagency relationships and cooperation; release programs, furloughs, work-release, and final discharge.

**Credits:** 3 cr.

**CJA 3261 - COMMUNITY POLICING**

This course will focus on the individual and societal aspects of police-community relations, police and minority groups, and social change and law enforcement. It will also cover the changing role of police from a community policing perspective.

**Prerequisites & Notes:** Prerequisites: CJA 1100 and CJA 2200.

**Credits:** 3 cr.

**CJA 3262 - INVESTIGATION AND INTERROGATION**

An introduction to the fundamentals of criminal investigation, rules of evidence, sources of information, observations, descriptions, and identification, including collection, preservation, and processing of physical evidence, records, reports, statements, case preparation, surveillance and undercover techniques, and modus operandi information.

**Credits:** 3 cr.

**CJA 3267 - COMMUNITY AND INSTITUTIONAL CORRECTIONS**

An in-depth examination of the American correctional system, covering probation, intermediate punishments, corrections, parole, community correction, as well as related issues such as clemency, boot camps, sentencing, the death penalty and challenges facing corrections. Attention will be given to the Pennsylvania correctional system, its agencies and national and state current events which dictate how public policy decision-making affects the American correctional process.

**Credits:** 3 cr.

**CJA 3276 - CRIMINOLOGY: A MULTI DISCIPLINARY APPROACH**

Acquaints students with the nature and forms of crime. Major areas of concern are the functions of law, the scientific study of crime, criminological topologies, classical and positive definitions of crime, comparative criminology, and the problem of punishment.

**Credits:** 3 cr.

**CJA 3301 - INDUSTRIAL SECURITY**

Examines basic industrial security concepts, principles, and methodologies. Provides knowledge of procedures and programs currently applied in industrial security management.

**Credits:** 3 cr.

**CJA 3324 - JUDICIAL CRIMINAL PROCESS**

An examination of the role and function of the judiciary in the criminal justice decision-making process. It includes a survey of America's court system and an in-depth analysis of its major components. Emphasis will also be placed on important interactions within the judicial system and its major interrelationships with other criminal justice agencies.

**Credits:** 3 cr.

**CJA 3336 - CRIMINALISTICS**

Examines the phase of the criminal investigation process concerned with physical evidence. Major emphasis will be placed upon legal and technical consideration in the recognition, collection, and preservation of various categories of physical evidence and the process through which it is transmitted to the crime laboratory. Attention will also be given to knowledge requirements of the evidence technician in terms of the capabilities and techniques of the crime laboratory.

**Prerequisites & Notes:** Prerequisite: CJA 1100 AND CJA 2200.

**Credits:** 3 cr.

**CJA 3354 - CRIMINAL LAW**

This course is designed to give students an understanding of the origins and purposes of criminal law, the constitutional limitations on criminal law, and the general principles of criminal liability and defenses to criminal liability. The definitions and various elements of crimes of most frequent concern will also be examined.

**Credits:** 3 cr.

**CJA 3355 - EVIDENCE and CRIMINAL PROCEDURE**

This course is designed to give students an understanding of the major aspects of the law of criminal procedure, the purposes behind that law and how that law impacts the search for, the gathering of, and the use of evidence in criminal cases. The constitutional provisions which are the source of much of the law of criminal procedure, and the courts' interpretations of those provisions, will be closely examined.

**Credits:** 3 cr.

**CJA 3357 - CORRECTIONAL STRATEGIES**

Offender classification; special offender groups, treatment, custody, recidivism, and strategies designed to change offender conduct.

**Credits:** 3 cr.

**CJA 3359 - JUVENILE JUSTICE**

All aspects of juvenile justice, with particular emphasis on delinquency and its causes, will be covered. The legal rights of juveniles and the evolution of these rights will be reviewed from a constitutional perspective. Inter-relationships with other institutions, including law enforcement, criminal courts, and placement alternatives will also be examined.

**Credits:** 3 cr.

**CJA 3395 - DELINQUENCY AND THE CRIMINAL JUSTICE SYSTEM**

Exposes students to the full impact of the delinquency problem. Theories of delinquency causation, prevention, and rehabilitation will be critically examined.

**Credits:** 3 cr.

**CJA 4401 - ADVANCED INDUSTRIAL SECURITY**

An advanced course focusing on industrial and government security concepts, principles, and methodologies. Knowledge of relationships of industrial security procedures in business organizations to the Department of Defense National Security Program will be examined.

**Prerequisites & Notes:** Prerequisite: CJA 3301.

**Credits:** 3 cr.

**CJA 4405 - RESEARCH METHODS IN CRIMINAL JUSTICE**

An introduction to research methodology with particular emphasis placed on criminal justice issues. Examines research theory, its major components, and its application to various criminal justice agencies including the police, courts, correctional institutions, etc.

**Credits:** 3 cr.

**CJA 4450 - INTERNSHIP IN CRIMINAL JUSTICE ADMINISTRATION**

An educational and work experience in an actual Criminal Justice related agency including police, courts, corrections, or private security.

**Credits:** 6 - 12 cr. Notes: May be taken for six through twelve credits.

**CJA 4453 - POLICE ORGANIZATION AND ADMINISTRATION**

Organizational theory, budgeting, personnel management planning, information management theory, civil service, unions, management prerogatives, supervision, executive development, manpower distribution schemes, and policy development and execution as applied in both small and large law enforcement agencies.

**Prerequisites & Notes:** Prerequisites: CJA 11 00 and CJA 2200.

**Credits:** 3 cr.

**CJA 4475 - SERIAL MURDER**

A broad overview of serial, spree and mass murder in the U.S. during the 20th century. Examines the myths and social construction of serial murder, FBI involvement, crime scene analysis, the organized and disorganized offender, and crime scene, history of serial murder in the U.S., construction of profiling, and behavior typology, and also examines offender typology (gender, race and team serial killers).

**Credits:** 3 cr.

**CJA 4490 - SENIOR SEMINAR**

This is a capstone course designed to: 1) help seniors integrate the knowledge gained from their other criminal justice courses; 2) assist them in developing analytical thinking skills through focusing on several selected topics; and 3) to instill confidence that they have acquired a core body of knowledge that will assist them when they enter a criminal justice agency or graduate school.

**Credits:** 3 cr.

**CJA 4496 - SELECTED TOPICS**

An intense analysis of a selected topic in law enforcement, adjudication, and correctional fields. Intended for advanced undergraduates, graduates, and in service professionals.

**Credits:** 3 cr.

**CJA 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field..

**Credits:** 1 - 3 cr. Notes: May be taken for one, two or three credits at one time

## Communication

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**COM 1101 - ORAL COMMUNICATION**

Objectives are to help the student to formulate his/her own ideas coherently, evaluate factual material, and use sound reasoning patterns in his/her preparation and attempts to communicate concepts orally; to determine and select the most effective means of expression in formal and informal speaking situations. Required of all Mansfield students.

**Credits:** 3 cr.

**COM 2200 - ORAL INTERPRETATION**

An introductory course in presenting oral readings of various literary genres. It involves written analysis and practical experience in presenting selections, and the understanding and appreciation of oral interpretation as the communication of the readers impression of the authors intent as an artistic representation of his/her world in a piece of literature.

**Prerequisites & Notes:** Prerequisite: COM 1101 or permission of instructor.

**Credits:** 3 cr.

**COM 2201 - INTRODUCTION TO MASS MEDIA**

Studies the application of modern mass media, its origin, history, theory, principles, and philosophy to the areas of entertainment, instruction, and audience persuasion. Practical experience in the basic media is provided.

**Credits:** 3 cr.

**COM 2203 - VOICE AND ARTICULATION**

A study of basic physiology and phonetic analysis. It begins with transcription and evaluation of the student's speech. Subsequent attention is given to the correction of individual faults in voice and articulation habits in order to achieve clear and effective communication.

**Prerequisites & Notes:** Prerequisite: COM 1101 or permission of instructor.

**Credits:** 3 cr.

**COM 2205 - INTERPRETING COMMUNICATION RESEARCH**

This course examines communication research techniques, interpreting research results, and how to write about communication research. Forms of mass media research techniques including the use of surveys will be discussed. Techniques used in human communication research will also be reviewed.

**Prerequisites & Notes:** Prerequisites: COM 1101 or permission of the instructor.

**Credits:** 3 cr.

**COM 2206 - FORENSICS**

Designed for the student interested in intercollegiate forensics. Students are involved in the theory and practice of competitive speaking in debating, extemporaneous speaking, original oratory, oral interpretation, and other forensic events.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 1 cr. Notes: May be taken for a total of eight credits.

**COM 2210 - INTRODUCTION TO PUBLIC RELATIONS**

Study of the history, principles, and practice of public relations in business, education, government, and other organizations.

**Credits:** 3 cr.

**COM 2220 - AMERICAN BROADCASTING HISTORY**

An introduction to the American broadcasting system which examines the history of the medium and relates it to current issues in electronic media. The course utilizes historical programming examples, examines broadcast and cable technology, and develops student awareness of the importance of electronic media in our society.

**Prerequisites & Notes:** Prerequisite: COM 2201.

**Credits:** 3 cr.

**COM 2230 - WRITING FOR BROADCASTING MEDIA**

A basic course in the writing techniques used in American radio and television. The course focuses on the development of original ideas for a range of commercial and promotional needs, including an original television series.

**Prerequisites & Notes:** Prerequisite: COM 2201

**Credits:** 3 cr.

**COM 2270 - AUDIO PRODUCTION**

An introductory course in the theory and operation of audio equipment and the creation of various audio presentations. Students write, produce, and perform in a series of individual and group projects.

**Credits:** 3 cr.

**COM 3301 - TELEVISION PRODUCTION I**

Introductory study of the theoretical and practical aspects of television production. Topics include studio cameras, scripting storyboarding, interviewing, lighting and sound. Students will work in groups on assignments and projects for further exposure with the equipment. Active participation in Mountaineer News will be required.

**Prerequisites & Notes:** Prerequisite: COM 2201, or by consent of instructor.

**Credits:** 3 cr.

**COM 3303 - TELEVISION AND RADIO ANNOUNCING**

In-depth training in effective communication skills employed by broadcasters.

**Prerequisites & Notes:** Prerequisite: COM 2201 & 2203.

**Credits:** 3 cr.



**COM 3304 - TELEVISION PRODUCTION II**

Advanced study of the theoretical and practical aspects of television production. Students will be exposed to video field cameras, directing and producing elements to an individual or group project by semester's end. Active participation in Mountaineer News will be required.

**Prerequisites & Notes:** Prerequisite: COM 2201 and 3301.

**Credits:** 3 cr.

**COM 3306 - NONVERBAL COMMUNICATION**

This course covers the importance of nonverbal messages in communication. Attention is given to facial expression, body movement and posture, symbols and other forms of nonverbal expression. Students taking this course will (1) better understand the nonverbal communication they project, (2) learn how to interpret the nonverbals of others around them, (3) recognize the intercultural differences in nonverbal communication, (4) be better able to communicate nonverbally in today's global society, and (5) be able to understand the implications of communicating without nonverbals when using specific communication channels such as email.

**Prerequisites & Notes:** Prerequisite: COM 1101

**Credits:** 3 cr.

**COM 3307 - POST-PRODUCTION EDITING**

This course emphasizes post-production editing skills using advanced techniques taught with the Avid and Pro Tools software. Students will work under professional production teams in the areas of production development, advanced writing production and digital post-production. Students will be expected to complete a semester-long project utilizing the skills taught throughout the semester. Active participation in Mountaineer News will be required.

**Prerequisites & Notes:** Prerequisites: COM 2201, 3301, 3304, or by consent of instructor.

**Credits:** 3 cr.

**COM 3309 - SPECIAL TOPICS IN MASS MEDIA**

This changing topic course will introduce students to various aspects of Mass Communication study of interest to the profession.

**Prerequisites & Notes:** Prerequisite - earned 45 credits.

**Credits:** 3 cr.

**COM 3310 - ELECTRONIC MEDIA SALES AND MANAGEMENT**

This course presents current practices, problems and issues of electronic media sales and management. Lectures, readings and class presentations provide an introduction to the business aspects of electronic media.

**Prerequisites & Notes:** Prerequisite: COM 2201 and 2220.

**Credits:** 3 cr.

**COM 3311 - ELECTRONIC MEDIA PROGRAMMING**

A comprehensive examination of the programming strategies employed in the electronic media industries with an emphasis on radio and television. Special emphasis is placed on program acquisition, scheduling, financing, and the role of first-run and off-network

television syndication in addition to satellite cable systems and new electronic media outlets. Lectures, readings and class discussion provide an introduction to the programming aspects of electronic media.

**Prerequisites & Notes:** Prerequisites: COM 2201, 2220.

**Credits:** 3 cr.

### **COM 3320 - PUBLIC RELATIONS WRITING TECHNIQUES**

An advanced level investigation of the theory and practice of public relations. Special emphasis is placed on public relations writing for clients, media, and other audiences.

**Prerequisites & Notes:** Prerequisites: COM 2210, JN 1100.

**Credits:** 3 cr.

### **COM 3321 - VISUAL PRESENTATIONS**

This hands-on workshop leads students through a series of step-by-step demonstrations and practice sessions while at a computer keyboard so they can design flyers, brochures, and presentation materials.

**Prerequisites & Notes:** Prerequisites: COM 2210 and COM 3320.

**Credits:** 3 cr.

### **COM 3325 - INTERPERSONAL COMMUNICATION**

Interpersonal Communication explores the dynamics of communication transactions between individuals who share some type of relationship. This course examines both global and cultural issues. Specific topics include but are not limited to the following: fundamentals, perception, the self concept, language, attitudes, belief systems, power, ethics, conflict, culture and relationships. This course focuses on both a conceptual comprehension and a practical application in understanding one's communication experience.

**Credits:** 3 cr.

### **COM 3330 - PARLIAMENTARY PROCEDURE**

Examines history, philosophy, and practice of parliamentary procedure as it applies to our democratic society. Emphasis is on the development of procedures and includes practice in the use of the theories.

**Credits:** 3 cr.

### **COM 3332 - CROSS CULTURAL COMMUNICATION**

This course explores theory and practice related to communicating across cultures. Attention is given to verbal and nonverbal communication in varying cross-cultural contexts including dyadic, small group, and public communication situations with examination of dominant cultures and co-cultures. Students should develop an appreciation of global differences among global cultures as well as a practical understanding of how to communicate effectively with people who are different from themselves.

**Prerequisites & Notes:** Prerequisite: Com 1101.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 3332 Anthropology of Communication.

**COM 3334 - GENDER AND COMMUNICATION**

This course is designed to introduce students to the concepts of gender and how those concepts relate to communication. The course introduces students to important gender communication concepts such as gendered verbal and non-verbal communications, the social shaping of gender, gendered power and violence, sexual harassment, and gendered communication in educational, organizational, media, and relationship settings.

**Credits:** 3 cr.

**COM 3336 - BUSINESS AND PROFESSIONAL COMMUNICATION**

Focuses on a step-by-step approach to professional communication in the business environment highlighting the employment interview. Topics include an introduction to interviewing, researching an organization, adapting to organizational change, constructing resumes and writing business correspondence, examining the roles of interviewee and interviewer, business etiquette, performance appraisals and company reprimands as well as exploring career planning. Serves as a “bridge” between the student’s conceptual comprehension and application in course work to the environment of the professional working world the students are about to enter.

**Prerequisites & Notes:** Prerequisites: COM 1101, ENG 1112 W, or BUS 1130. A minimum of 60 credits is required to enroll.

**Credits:** 3 cr.

**COM 3340 - PROFESSIONAL ISSUES IN COMMUNICATION**

Research, prepare, present, and evaluate contemporary issues in the communication field. Investigate professional communication associations and career paths in respective emphases.

**Prerequisites & Notes:** Prerequisite: COM 1101, 2201, and JN 1100.

**Credits:** 3 cr.

**COM 3360 - ORGANIZATIONAL COMMUNICATION**

Examines the process of communication within organizations. Investigates formal and informal communication networks to gain a greater understanding of the vital role that they play within organizational structures and operations.

**Prerequisites & Notes:** Prerequisite: COM 1101.

**Credits:** 3 cr.

**COM 3370 - STORYTELLING IN PERFORMANCE**

This course will involve the study of the history and theories of storytelling. During the semester, each student will have practice in the creation, development, and performance and criticism of at least three types of stories. Graduate students will be expected to do a term paper and more coaching.

**Credits:** 3 cr.

**COM 4400 - COMMUNICATION THEORY**

Study of the major concepts, principles, models, and theories of human communication including, General Systems Theory, General Semantics, role behavior, the diffusion of innovation, the role of language in communication, linguistics, and the psychology of communication. These provide a framework for an investigation of the process of communication on the intra personal, interpersonal, small group, one-to-many, and mass media levels.

**Credits:** 3 cr.

**COM 4401 - PERSUASION**

A study of the psychology of persuasion and its use in a free society, and propaganda and its effect on our daily living. Prepares the student to evaluate persuasive messages, to use persuasion effectively, and to appreciate the ethics of persuasion.

**Credits:** 3 cr.

**COM 4403 - SPEECH WRITING**

Practical experience in the techniques of speech writing for speakers and public relations practitioners. Emphasis is placed on actual speech writing situations.

**Credits:** 3 cr.

**COM 4406 - DIGITAL VIDEO EDITING**

Instruction in the mechanics and techniques of non-linear video editing ranging from logging and organizing materials to understanding and employing differing types of editing methods. Hands on experience with various editing platforms such as Final Cut pro and AVID.

**Prerequisites & Notes:** Prerequisites: GRA 1101 and COM 3301.

**Credits:** 3 cr.

**COM 4410 - INTERNSHIP**

Supervised and evaluated participation in varied settings provides practical application of theoretical principles.

**Credits:** 6 - 12 cr. Notes: May be taken for 6 through 12 credits.

**COM 4415 - CONTEMPORARY AMERICAN HUMOR**

A critical study of contemporary humor employing a variety of communication theories of analysis and criticism. Areas such as television, film, writing, and stand-up will be examined.

**Prerequisites & Notes:** Prerequisite: COM 1101.

**Credits:** 3 cr.

**COM 4420 - PUBLIC RELATIONS WORKSHOP**

Practical study of public relations. Each student is involved in planning and directing a campaign proposal for a non-profit organization and implementing at least one special event.

**Prerequisites & Notes:** Prerequisites: COM 2210, JN 1100, COM 3320, or permission of instructor.

**Credits:** 3 cr.

**COM 4425 - PUBLIC COMMUNICATION**

Advanced study of the construction, preparation and delivery of public performance. Designed to familiarize the student with the research, audience analysis and rhetorical criticism skills necessary for the presentation and evaluation of professional speeches.

**Prerequisites & Notes:** Prerequisites: COM 1101 or permission of the instructor.

**Credits:** 3 cr.

**COM 4435 - INTERNATIONAL BROADCASTING**

Designed to familiarize students with international broadcasting systems and global communication issues. Lectures, research projects, and classroom presentation of

international radio and television programming examples are used to broaden perspectives and international understanding.

**Prerequisites & Notes:** Prerequisite: COM 2201 and 2220.

**Credits:** 3 cr.

### **COM 4440 - COMMUNICATION LAW**

Provides a background in communication law as it affects the conduct of the print and electronic media industries. Will study landmark cases and investigate legal industry, and ethical issues which confront communication professionals.

**Prerequisites & Notes:** Prerequisite: COM 2201.

**Credits:** 3 cr.

### **COM 4450 - SPECIAL PROJECTS**

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 through 3 credits, but not to exceed 9 credits total.

### **COM 4485 - SMALL GROUP COMMUNICATION**

Learning how to work effectively in groups. The dynamics of cooperative communication situations and skills associated with interpersonal relations and group goal achievement. Emphasis on presentational speaking, agenda management, problem solving, decision making, conflict and cohesion, project management, leadership, participation theory, listening, verbal and nonverbal choices, planning and conducting meetings.

### **COM 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## **Dietetics**

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### **DIT 1101 - PERSONAL NUTRITION**

Examines how good nutrition improves health and risk factors for nutrition related diseases. This is an excellent course for people who wish to improve their eating habits. This course DOES NOT fulfill requirements for the Nursing program.

**Credits:** 3 cr.

### **DIT 2211 - INTRODUCTION TO NUTRITION**

Introduces the science of nutrition, the nutrient needs of the body, and the foods that meet these needs.

**Credits:** 3 cr.

**DIT 2220 - NUTRITION AND EXERCISE**

An in-depth look into nutrition and exercise and how they work together to prevent chronic disease.

**Credits:** 3 cr.

**DIT 3300 - CULTURAL NUTRITION AND FOOD**

A study of the nutrient needs and food habits of individuals from various countries and ethnic backgrounds.

**Credits:** 3 cr.

**DIT 3305 - PRINCIPLES OF FOOD SCIENCE**

Applies physical and chemical principles as related to the selection, preparation, and storage of food.

**Credits:** 3 cr.

**DIT 3306 - MEAL MANAGEMENT**

A study of the principles of planning, preparation, and service of meals. Discussion of food safety, sanitation, marketing, menu planning and government regulations are included.

**Prerequisites & Notes:** Prerequisite: DIT 2211, 3305 and permission of instructor.

**Credits:** 3 cr.

**DIT 3314 - NUTRITION THROUGHOUT THE LIFE CYCLE**

Nutritional requirements and assessment of humans from conception to old age, including the study of nutrition as it relates to health and disease common to each phase of the life cycle. The impact of societal and environmental factors on nutrient intake will be examined.

**Prerequisites & Notes:** Prerequisite: DIT 2211 or permission of instructor.

**Credits:** 3 cr.

**DIT 3315 - FOOD SERVICE ORGANIZATION AND MANAGEMENT**

Management functions in the food service industry. Methods, procedures, and techniques in dealing with personnel.

**Prerequisites & Notes:** Prerequisite: DIT 3305 and 3306 or permission of instructor.

**Credits:** 3 cr.

**DIT 3316 - COMMUNITY NUTRITION**

Addresses issues of nutrition services in the community including needs, assessment, implementation, and program evaluation. Provides opportunity for student to become familiar with WIC, school lunch, congregated meals, cooperative extension, etc.

**Prerequisites & Notes:** Prerequisite: DIT 2211 or permission of instructor.

**Credits:** 3 cr.

**DIT 3325 - NUTRITION COUNSELING AND EDUCATION**

Counseling theory and techniques, interviewing techniques, and group communication will be discussed. The student will have the opportunity to practice counseling individuals on nutrition. Health promotion and disease prevention will be highlighted throughout this course.

**Prerequisites & Notes:** Prerequisites: PSY 1101, DIT 2211, 3314 & 3316.

**Credits:** 3 cr.

**DIT 3330 - SPORTS NUTRITION**

Scientific basis for sports nutrition. Basic nutrition concepts, energy expenditure during various types of exercise, diet during training, meal recommendations, use of supplements and ergogenic aids, special recommendations for groups of athletes. An excellent course for athletes, coaches, and active people.

**Prerequisites & Notes:** Prerequisite: DIT 2211.

**Credits:** 3 cr.

**DIT 4401 - MEDICAL NUTRITION THERAPY I**

The basic methods of dietary modification, including food exchange systems, nutrition assessment of patients, charting techniques, standards of professional practice; medical nutrition therapy for patients with injury, surgery, recovery, obesity and eating disorders, diabetes, and allergies.

**Prerequisites & Notes:** Prerequisites: DIT 2211, 3305, CHM 11 01, 11 02 or permission of instructor.

**Credits:** 3 cr.

**DIT 4402 - MEDICAL NUTRITION THERAPY II**

Medical nutrition therapy including the following conditions: nutrition support, digestive tract diseases, anemia, heart disease, pulmonary disease, renal disease, neoplastic disease, HIV positive and AIDS, nervous system diseases, and metabolic disorders.

**Prerequisites & Notes:** Prerequisites: DIT 2211, 3305, 4402, CHM 1101, 1102 or permission of instructor.

**Credits:** 3 cr.

**DIT 4411 - QUANTITY FOOD PRODUCTION**

Quantity food production, menu planning, purchasing, receiving, and sanitation and safety techniques in food service. Laboratory experience in quantity food production.

**Prerequisites & Notes:** Prerequisite: DIT 3305 and 3306 or permission of instructor.

**Credits:** 4 cr.

**DIT 4417 - ADVANCED NUTRITION**

Chemistry of nutrients, metabolism, and normal nutritional requirements throughout the human life cycle.

**Prerequisites & Notes:** Prerequisite: eight credits in Chemistry, three credits in foods and DIT 2211.

**Credits:** 3 cr.

**DIT 4419 - DIETETICS PRACTICUM**

Students are employed or volunteer in a hospital or food service operation. A written description and an oral presentation of their experience is required. Equivalent of six weeks employment.

**Prerequisites & Notes:** Prerequisite: DIT 4401, 4402 and 4411 or permission of instructor, overall 2.5 OPA and 3.0 OPA in the major, 21 credits with DIT prefix, and senior status.

**Credits:** 3 cr.

**DIT 4420 - NUTRITION RESEARCH SEMINAR**

Contemporary issues in nutrition and dietetics will be discussed. The student will learn research methodology and how to interpret current research in the field.

**Prerequisites & Notes:** Prerequisite: completion of at least 75 credit hours with 1-2 credit hours in nutrition and dietetics or permission of instructor.

**Credits:** 3 cr.

**DIT 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Economics

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**ECO 1101 - PRINCIPLES OF MACROECONOMICS**

An introduction to aggregate economics with emphasis on interdependence of sectors of an economy, aggregate concepts, determination of national income and fiscal and monetary policy for stabilization.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ECO 1102 - PRINCIPLES OF MICROECONOMICS**

Examines the mechanism of the free enterprise system; pricing, production, and employment under various market conditions; functional distribution of income; selected topics in modern theory of general equilibrium and welfare economics.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ECO 2205 - CONTEMPORARY ECONOMIC PROBLEMS**

Examination of some of our crucial economic problems: unemployment, inflation, poverty; also some of the minor issues: right-to-work, national debt, and of several international concerns, e.g., the Common Market.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102 or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ECO 3301 - INTERMEDIATE MACROECONOMIC THEORY**

Develops models of the macroeconomy and analyzes the level and distribution of income, theories of unemployment, theories of consumption, theories of the public economy, theories of investment, the role of money, theories of crisis, theories of inflation, and theories of growth from alternative paradigms. A macroscopic view of the economy and the ability to analyze and forecast business conditions are developed.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102.

**Credits:** 3 cr.



**ECO 3302 - INTERMEDIATE MICROECONOMIC THEORY**

Introduction to the models and methods of modern microeconomic theory, concentrating on individual and firm decision making and on industry equilibrium; a brief treatment of general equilibrium theory and welfare analysis.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102 or permission of instructor.

**Credits:** 3 cr.

**ECO 3305 - ECONOMETRICS**

The orientation of this course is toward the analysis and interpretation of economic data. This course will examine the general linear regression model and its application to economics, including violations of the classical model assumptions.

**Credits:** 3 cr.

**ECO 3310 - BUSINESS AND ECONOMIC FORECASTING**

This course is an introduction to the various methods economists and business managers use to forecast economic variables. Topics covered include regression techniques, exponential smoothing, decomposition of time series, moving averages, ARIMA models, and VAR models.

**Prerequisites & Notes:** Prerequisites: ECO 1101, 1102, and MA 1125.

**Credits:** 3 cr.

**ECO 3311 - MONEY AND BANKING**

An inquiry into the monetary system of the U.S. Brief examination of historical development; the functioning of monetary policy is considered. Emphasis is on the public/private nature of our banking system.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102.

**Credits:** 3 cr.

**ECO 3315 - PUBLIC FINANCE**

Investigates theories of taxation; normative and positive theories of the public economy; various taxes; tax incidence and the distribution of income and wealth; taxes and microeconomic behavior; and the distribution of expenditure benefits. Provides students with an understanding of the functions of taxation and public expenditures in the process of accumulation and legitimization.

**Prerequisites & Notes:** Prerequisite: ECO 11 01 and 11 02.

**Credits:** 3 cr.

**ECO 3325 - DEMOGRAPHIC ANALYSIS**

Demographic Analysis is an introduction to the field of demography with emphasis on the methods used to analyze the social and economic characteristics of a population. Attention is paid to applications in a variety of disciplines including marketing and social services planning. Technology employed includes computer mapping, electronic census data, and geographic information systems.

**Credits:** 3 cr.

**ECO 3333 - INTERNATIONAL ECONOMICS**

A study of the economics aspects of international relations with particular emphasis on the economic basis for trade, international monetary problems, commercial policy, and

international agencies and agreements.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102 or permission of instructor.

**Credits:** 3 cr.

### **ECO 4401 - LABOR ECONOMICS**

Equal consideration is given to the market and institutional factors of labor management relations. The role of government especially as defined in major legislation is examined. Historical development of trade unions serves as an introduction.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and 1102 or permission of instructor.

**Credits:** 3 cr.

### **ECO 4450 - INTERNSHIP**

Designed to allow the student the opportunity to learn in a professional setting. It must involve the application of economic theory and provide an opportunity for work involving the application of academic skills. Consult an academic advisor for departmental internship policies.

**Credits:** 3 - 12 cr.

### **ECO 4485 - MANAGERIAL ECONOMICS**

A rigorous development and application of microeconomic theory with an emphasis on the tools and techniques most useful to managers in a decision making environment. Topics include demand analysis, production and cost analysis, market structure, pricing strategies, risk analysis, estimation and forecasting.

**Prerequisites & Notes:** Prerequisite: MA 11 25 and 11 70 or permission of instructor.

**Credits:** 3 cr.

### **ECO 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

## **Education**

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### **ED 1100 - SCHOOLS AND SOCIETY**

An exploration and examination of the critical issues/concerns facing public policy in education and demonstrating knowledge about education in today's society.

**Credits:** 3 cr.

### **ED 1102 - INTRODUCTION TO EDUCATION**

An introduction to professional careers in K-12 education. Students examine teaching responsibilities, certification requirements, career prospects, and attributes of successful teachers. Topics include historical and social foundations of education, schools in a multicultural society, political influences on education, observations in schools, frameworks for teaching, and beginning a professional portfolio.

**Credits:** 3 cr.

**ED 2205 - EDUCATIONAL PSYCHOLOGY**

A study of the application of learning theory principles to the educational and institutional setting. Provides demonstrations and field experiences to enhance the applicability of these principles.

**Prerequisites & Notes:** Prerequisite: PSY 11 01.

**Credits:** 3 cr.

**ED 2245 - TUTORING FOR LITERACY**

Students will learn tutoring techniques and will learn how to recruit, train, and evaluate tutors in basic, higher and adult educational programs. Students will learn principles of andragogy as contrasted to pedagogy, lifelong learning, and volunteerism. Students will participate in a minimum of 40 hours of community service tutoring.

**Credits:** 3 cr.

**ED 2606 - FIELD EXPERIENCE**

This is a site-based pre-student teaching field experience in a diverse ethnic, language or SES community. Students will participate daily in public school classrooms in their field of study. Based on the site location, students will participate in community projects, interact in learning forums with other pre-service teachers and visit historical and cultural sites and museums.

**Prerequisites & Notes:** Prerequisites: ED 1101 or SPE 1101.

**Credits:** 9 cr.

**ED 3260 - ASSESSMENT IN EDUCATION**

A basic testing and measurements course. Students study the domains of educational objectives, evaluation theory, the application of basic statistics to test data, and principles for selecting and interpreting standardized tests. Students will develop a test related to their area of teaching specialization.

**Credits:** 3 cr.

**ED 3302 - INSTRUCTIONAL TECHNOLOGY**

An introduction to both traditional and contemporary types of instructional media including micro-computers, interactive tele-teaching, and telecommunications. Students demonstrate skill in the use, production, and operation of selected areas of this technology.

**Credits:** 2 cr.

**ED 3310 - CONTENT AREA READING AND WRITING**

Designed to provide instructional experiences that enable secondary content teaching candidates and special field teacher candidates to develop selected basic knowledge, skills, and attitudes regarding the reading learning process. May be offered in a modular timeframe format.

**Prerequisites & Notes:** Co-requisite: ED 3320.

**Credits:** 3 cr.

**ED 3312 - TEACHING SECONDARY ENGLISH LANGUAGE ARTS**

Designed to prepare the student for the teaching of middle school/junior/senior high school English communication arts. In investigating the present resources of the school, the needs of the learners, and the potential for development in the field of English

language study, the student will be preparing to function in either a traditional or experience-based school curriculum.

**Credits:** 3 cr.

**ED 3313 - TEACHING SECONDARY SCIENCE AND TECHNOLOGY**

Designed to prepare preservice teachers to teach science and technology to middle school and high school students. Content in the course includes principles, materials, strategies, and techniques for teaching science and technology.

**Credits:** 3 cr.

**ED 3314 - TEACHING SECONDARY MATHEMATICS**

Examines methods of teaching secondary school mathematics in the "Information Age", the mathematics education reform movement, curricular changes and the standards for school mathematics, instructional methodology, use of materials, and development of skills required of secondary school mathematics teachers.

**Credits:** 3 cr.

**ED 3316 - TEACHING SECONDARY SOCIAL STUDIES**

This course provides a background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts, and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement strategies in the classroom, including the use of technology.

**Prerequisites & Notes:** Prerequisites: ED 1102 and have completed requirements to be admitted as a Teacher Education Certification Candidate (Gate one).

**Credits:** 3 cr.

**ED 3317 - TEACHING SECONDARY FOREIGN LANGUAGES**

Emphasizes methods of teaching language skills, lesson organization, language resources, multimedia applications including computer technology and the history of foreign language teaching.

**Credits:** 3 cr.

**ED 3320 - OBSERVATION AND PARTICIPATION - SECONDARY**

Provides secondary education students with opportunities to observe and participate in secondary schools prior to student teaching. Topics addressed include effective teaching and classroom discussion techniques, lesson and unit planning, and classroom management and discipline. Students receive supervision and feedback on their classroom performance from classroom teachers and the college instructor. Offered in a modular timeframe format.

**Prerequisites & Notes:** Co-requisite: ED 3310.

**Credits:** 3 cr.

**ED 4400 - STUDENT TEACHING**

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

**Credits:** 12 cr.

**ED 4460 - PROFESSIONAL SEMINAR**

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

**Prerequisites & Notes:** Prerequisite: Senior standing in teacher education; taken during student teaching semester.

**Credits:** 2 cr.

**ED 4480 - COMPUTERS IN EDUCATION**

Designed to instruct undergraduate education majors in the various uses of computers in the schools.

**Credits:** 3 cr.

**ED 4482 - COMPUTERS IN EDUCATION - METHODS AND MATERIALS**

Designed to instruct undergraduate education majors in the design and organization of computer learning environments; and in the selection, utilization, and evaluation of courseware.

**Credits:** 3 cr.

**ED 4485 - TEACHING OF ADULTS**

Designed to identify characteristics and needs of various target groups choosing or needing to be involved in educational offerings for adults. Explores lifelong learning as a phenomenon relative to many societal influences, and develop programs, teaching modules, and units which serve both society and the individual.

**Credits:** 3 cr.

**ED 4497 - INDEPENDENT STUDY**

Independent study is a student initiated activity to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Elementary Education

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**ELE 1150 - INTRODUCTION TO EARLY CHILDHOOD EDUCATION**

An introduction to the teaching of young children, birth through age eight; current issues and practices; historic and future trends; and assessment of one's strengths and interests related to the career opportunities in early childhood education.

**Prerequisites & Notes:** Prerequisite: ED 1102

**Credits:** 3 cr.

**ELE 2220 - CHILD DEVELOPMENT**

Examines development from conception and infancy, through preschool and middle school, and ends with adolescence. Major developmental theories that focus on the interaction of heredity and the environment are the key components.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**ELE 3263 - PRESCHOOL CURRICULUM AGES 3 - 5**

Addresses aspects of a quality preschool program. Topics this course examines include: theoretical foundations of teaching and learning, children ages 3 - 5; preschool curriculum models; key components of a preschool program; an integrated curriculum to foster children's development; and adapting curricula for children in inclusive preschool settings. This course will require observations and participation in a preschool setting.

**Credits:** 3 cr.

**ELE 3301 - OBSERVATION AND PARTICIPATION - ELEMENTARY**

Provides juniors with the following observation, participation and professional guidance experiences: observation of an elementary classroom; orientation to policies and practices of an elementary school; opportunity to observe the in-service teacher in the performance of his/her duties; introduction to administrative duties of an elementary classroom; the privilege of working with individual children, small groups of children and an entire classroom under supervision; and the opportunity to receive feedback on performance from the cooperating teacher and the college supervisor.

**Credits:** 3 cr.

**ELE 3360 - CHILDREN'S LITERATURE**

Uses of children's literature in the preschool and elementary school curriculum; promoting interest in children's books; social themes and issues reflected in children's literature.

**Credits:** 3 cr.

**ELE 3362 - EMERGING LITERACY**

Theoretical foundations and the components of a developmentally appropriate literacy program for children ages 4-8 are introduced. Topics include: teaching and assessment strategies, instructional resources, classroom management, grouping for instruction, and involving parents.

**Credits:** 3 cr.

**ELE 3383 - TEACHING ELEMENTARY READING AND LITERATURE I**

Theoretical bases of the reading process; components of reading skill; major approaches to instruction; methods and materials for teaching elementary reading are examined.

**Credits:** 3 cr.

**ELE 3384 - TEACHING ELEMENTARY MATHEMATICS**

Methods of teaching mathematics in the "Information Age", the reform movements curricular changes and emphasis, instructional methodology and use of materials, and development of mathematics skills required of elementary school teachers are examined.

**Credits:** 3 cr.

**ELE 3386 - TEACHING ELEMENTARY SOCIAL STUDIES**

Principles, problems, materials, and techniques for the teaching of elementary social studies. In-school experience provided.

**Credits:** 3 cr.

**ELE 3387 - TEACHING ELEMENTARY SCIENCE AND TECHNOLOGY**

Principles, problems, materials, and techniques for teaching science and technology in the elementary school.

**Credits:** 3 cr.

**ELE 3391 - BEHAVIORAL, SOCIAL, AND EMOTIONAL ISSUES**

Addresses “at-risk” factors in children and the classroom techniques that teachers may use to address students’ behavioral, social, and emotional needs. Topics examined in the course include classroom management and discipline, students’ social relationships, students’ emotional well being, and gender issues in teaching. Teachers will learn to identify students who are victims of physical abuse and to make appropriate professional referrals.

**Credits:** 3 cr.

**ELE 3395 - CREATIVE EXPERIENCES IN ELEMENTARY TEACHING**

Examines the nature of creativity and varied uses of creativity and the arts in elementary lesson planning, teaching, and curriculum development; areas of study include art, music, drama, storytelling, movement and dance, poetry, and children’s literature; emphasis is placed upon the uses of creativity and the arts by classroom teachers to enhance their teaching across the curriculum.

**Credits:** 3 cr.

**ELE 4400 - STUDENT TEACHING**

(By arrangement) Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

**Credits:** 12 cr.

**ELE 4402 - SELECTED TOPICS IN ELEMENTARY EDUCATION**

Designed to let students carry out in-depth studies in elementary teaching techniques. Includes lectures, seminar periods, and resource persons. Emphasis on student leadership, participation, and reading and discussion of educational literature.

**Credits:** 1 - 3 cr. Notes: May be taken for one through three credits.

**ELE 4403 - TEACHING ELEMENTARY LANGUAGE ARTS**

Designed as a workshop for undergraduate students who have completed ELE 3301. Emphasis is on investigating techniques used by elementary teachers to improve communication skills for children.

**Credits:** 3 cr.

**ELE 4405 - EARLY SCHOOL CURRICULUM AGES 6-8**

Addresses aspects of a quality early school program (K-3rd grade). Topics examined in this course include: theoretical foundations of teaching and learning with children, age 6-8; perspectives that inform curriculum planning; components of an early grade program; an integrated curriculum; and adapting curricula for children in inclusive settings. Students will team-teach with classmates in an early grade in a local school.

**Prerequisites & Notes:** Prerequisite: ELE 11 50 and 3263.

**Credits:** 3 cr.

**ELE 4412 - READING/WRITING IN BRITISH SCHOOLS**

An examination of the integrated language arts curriculum employed in British education. This companion course to “Introduction to British Education” includes first-hand experiences observing and participating techniques used by British schools.

**Credits:** 3 cr.

**ELE 4425 - TEACHING ELEMENTARY READING AND LITERATURE II**

Tests and techniques to prevent, detect, and correct reading difficulties; special methods and materials for problem readers.

**Prerequisites & Notes:** Prerequisite: ELE 3383

**Credits:** 3 cr.

**ELE 4460 - PROFESSIONAL SEMINAR**

Designed to develop and refine professional competencies prior to accepting a teaching position. Topics include current issues; school organization, administration, and law; techniques for seeking a professional position; teacher certification issues; collective bargaining and unions; philosophies of teaching; seeking a professional position; and beginning a teaching career.

**Prerequisites & Notes:** Prerequisite: Senior standing in teacher education; taken during student teaching semester.

**Credits:** 2 cr.

## English

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**ENG 0090 - BASIC WRITING SKILLS**

Designed to prepare students to do college-level writing. DOES NOT COUNT TOWARD TOTAL CREDITS NEEDED FOR GRADUATION.

**Credits:** 3 cr.

**ENG 1112 - COMPOSITION I**

Intensive reading and writing of expository prose. Analytical and critical thinking and college-level research skills are emphasized.

**Prerequisites & Notes:** Prerequisite: Exemption from ENG 0090 or equivalent transfer course.

**Credits:** 3 cr.

**ENG 1115 - INTRODUCTION TO LITERATURE**

Introduction to reading poetry, fiction, drama for understanding and enjoyment.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 1130 - INTRODUCTION TO LITERARY STUDIES**

An intensive introduction to the discipline of literary studies for current and prospective English majors. Students will become acquainted with literary genres and terms, learn strategies for reading and understanding literature, and develop critical skills for discussing and analyzing literary texts. Offered in the Spring semester.

**Prerequisites & Notes:** Prerequisite ENG 1112W.

**Credits:** 3 cr.

**ENG 1175 - NATURE OF LANGUAGE**

This course explores "the nature of language," looking at what language is, how we learn and use language, and how language functions in and shapes our lives.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 1104 Introduction to Linguistic Anthropology. General Education Requirement: May satisfy General Education requirements



**ENG 2202 - CREATIVE WRITING**

Explores the fundamentals of creative writing through the use of writing exercises and the discussion of selected stories, poems, and creative essays. Emphasis will be placed on a portfolio of work submitted at the end of the semester.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2203 - READINGS IN ANCIENT LITERATURE**

Introduction to some of the major characters, events, and ideas in the Greek, Roman, and Judeo-Christian mythologies that have so heavily influenced Western culture. (Mythology signifies the study of recurring patterns in thought and literature, not the separation of truth from fiction).

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2204 - READINGS IN WORLD LITERATURE**

Selected readings from nineteenth and twentieth century world literature, excluding British and American.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2207 - READINGS IN BRITISH LITERATURE**

Selected readings from British literature.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2208 - READINGS IN AMERICAN LITERATURE**

Selected readings from American literature.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2209 - READINGS IN SHAKESPEARE**

Selected readings in Shakespeare for the non-English major. Offered Fall semesters.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2220 - SPECIAL TOPICS IN LITERATURE**

A study of one of the following topics: African-American Literature, Women's Literature, other Minority Literature, Recent Literature, Film, or Folklore. May be repeated for a total of 9 credits.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2225 - ENGLISH GRAMMAR**

A systematic description of the rules of modern English grammar, making use of both traditional and contemporary grammatical theories. Offered fall semester.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 2226 - HISTORY OF THE ENGLISH LANGUAGE**

A study of the development of the English language from Old English to modern times with special attention to the causes of linguistic change. Offered spring semester.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3268 - SURVEY OF BRITISH LITERATURE I**

Survey of major British literature from Beowulf through Neoclassicism. This course is NOT a Block 2 General Education course. Offered fall semester.

**Prerequisites & Notes:** Prerequisite: ENG 1112W.

**Credits:** 3 cr.

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### **ENG 3269 - SURVEY OF BRITISH LITERATURE II**

Survey of major British literature from the Romantics through the present. This course is NOT a Block 2 General Education course. Offered spring semester.

**Prerequisites & Notes:** Prerequisite: ENG 1112W.

**Credits:** 3 cr.

### **ENG 3278 - SURVEY OF AMERICAN LITERATURE I**

Survey of 17th, 18th, and early 19th century American writers. This course is NOT a Block 2 General Education course. Offered fall semester.

**Prerequisites & Notes:** Prerequisite: ENG 1112W.

**Credits:** 3 cr.

### **ENG 3280 - SURVEY OF AMERICAN LITERATURE II**

Survey of American writers from the late nineteenth-century to the present. This course is NOT a Block 2 General Education course. Offered spring semester.

**Prerequisites & Notes:** Prerequisite: ENG 111 2W.

**Credits:** 3 cr.

### **ENG 3281 - INTRO TO LINGUISTICS**

Methods of analysis and description of language and ways in which human beings use their language. Of interest to students who wish to continue study of linguistics as well as those in a variety of professions who wish to read with understanding linguistic literature in their own field.

**Credits:** 3 cr.

### **ENG 3305 - COMPARATIVE LITERATURE**

Examines major works in a genre or movement, comparing two or more national literatures. Offered spring semester.

**Prerequisites & Notes:** Prerequisite: ENG 1112W.

**Credits:** 3 cr. **Notes:** May be taken for a total of nine credits. General Education Requirement: May satisfy General Education requirements

### **ENG 3307 - LITERATURE IN ENGLISH FROM AROUND THE WORLD**

Study of literature written in English outside of the British Isles and the United States. Offered fall semester.

**Prerequisites & Notes:** Prerequisite: ENG 1112W.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **ENG 3312 - INTRO TO FICTION WRITING**

Designed to help students find their true voice and true concerns as writers while mastering the essentials of the art. Emphasis is on writing exercises and then complete works, but also on becoming better readers. In-depth discussion of student work, the assigned readings, and the process of writing.

**Prerequisites & Notes:** Prerequisite: ENG 2202 or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **ENG 3313 - COMPOSITION II**

Advanced writing and analytical thinking based on texts from across the curriculum. Must be passed with a minimum grade of "C-" before graduation.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and a minimum of 45 credits earned.

**Credits:** 3 cr.

**ENG 3314 - INTRO TO POETRY WRITING**

Designed to help students discover and develop their voices and styles as poets. Explore poetry writing through writing exercises, through reading and discussing poems written by contemporary poets, and through discussing one another's poems in a supportive atmosphere.

**Prerequisites & Notes:** Prerequisite: ENG 2202. Offered fall semester.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3316 - CREATIVE NON-FICTION PROSE WRITING**

Students will write about subjects of interest and importance to them using literary techniques and devices. Will read and discuss a selection of book-length non-fiction works: memoirs, diaries, socio-political commentary, and nature writing. Writing techniques and exercises designed to stir creativity and stimulate ideas will be used.

**Prerequisites & Notes:** Prerequisite: ENG 2202.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3320 - SPECIAL TOPICS IN LITERATURE**

A specialized study of a topic in literature, film, or folklore.

**Credits:** 3 cr. Notes: May be taken for a total of 9 credits. General Education Requirement: May satisfy General Education requirements

**ENG 3324 - COMPOSITION THEORY & PRACTICE**

Analysis of current theories about the writing process and methods of applying these theories, with actual practice in tutoring writing. Offered fall semester.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and ENG 3313W.

**Credits:** 3 cr.

**ENG 3326 - WOMEN'S LITERATURE**

A study of literature by and about women in its literary, cultural, and social contexts. May be topical, thematic, or period-based. May include such authors as Austen, Bronte, Chopin, Woolf, Emecheta, Morrison, and Tan.

**Prerequisites & Notes:** Prerequisite ENG 1112W

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3327 - AFRICAN AMERICAN LITERATURE**

This course studies a prominent dimension of African-American Literature. Potential topics include specific genres, important time periods, major or minor authors, comparative multicultural contexts. Students hone their critical reading and writing skills in this important and growing area of American literature.

**Prerequisites & Notes:** Prerequisite: ENG 1112W. Offered Spring of odd years.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3328 - LESBIAN AND GAY LITERATURE**

This course focuses on literature by and about lesbian, gay, bisexual, and transgender (LGBT) people, and what it is to be LGBT in our society. Literature will be studied in conjunction with film, music, television, newspaper and magazine articles, art, and history. The emphasis of the course will be on active discussion and close scrutiny of the literature, our society, and ourselves. Prerequisite ENG 1112W. Offered spring of even years.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3329 - REGIONAL LITERATURE**

A study of literature unique to a particular region of the United States. Topics may include literature specific to broad regions such as the American South, the American West, or Appalachia; literature specific to life in individual states, such as Pennsylvania literature; or literature specific to life in a particular urban area, such as the literature of New York City. Prerequisite ENG 1112W. Offered fall of odd years

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3332 - NATURE WRITING**

Based on reading, observation, and experience, students will write creative non-fiction prose about nature and discuss each other's work. The course will deal with such issues as the importance of place, the role of science in personal responses to nature, the nature of Nature, and the meaning of "nonfiction" in nature writing. Offered spring semester.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3333 - ADVANCED WRITING FOR ENGLISH MAJORS**

Designed to refine the writing skills of English majors, with an emphasis on critical analysis and the mechanics of writing. Students will read and write about a literary, rhetorical, or linguistic concept chosen by the instructor (irony in literature, for example) and revise at least one essay from their English portfolio. Offered fall semesters.

**Prerequisites & Notes:** Prerequisite: ENG 1130 and two upper division ENG classes.

**Credits:** 3 cr.

**ENG 3350 - OLD AND MIDDLE ENGLISH LITERATURE**

Study of major British writers and works from the Anglo Saxon period to 1500. Selections may include Old English lyric and narrative poetry (Like Beowulf) in translation, and Middle English romances, allegories, bawdy tales, plays, songs, and mystical writings, some in the original language, some in translation. Authors may include Chaucer, Julian of Norwich, Langland, Malory, and that most prolific of medieval authors, Anonymous.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209. Offered fall of even years.

**Credits:** 3 cr.

**ENG 3351 - ENGLISH RENAISSANCE LITERATURE**

A study of major writers from 1500 to 1660, the Reformation through the English Civil War. Authors include Sydney, Spenser, Shakespeare, Donne, Jonson, and Milton.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209. Offered spring of even years.

**Credits:** 3 cr.

**ENG 3352 - SHAKESPEARE**

Selected plays of Shakespeare with interpretation, evaluation, and attention to his development as a dramatist and poet.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209. Offered fall semester.

**Credits:** 3 cr.

**ENG 3356 - EIGHTEENTH CENTURY BRITISH LITERATURE**

A study of major British writers from 1660 to 1800. The course will include both primary texts and literary criticism addressing the literature of the period. Includes authors such as Behn, Defoe, Pope, Richardson, Fielding, Smith, and Radcliffe.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209). Offered spring of odd years.

**Credits:** 3 cr.

**ENG 3359 - NINETEENTH CENTURY BRITISH LITERATURE**

A study of major British writers from the Romantic and Victorian eras. May include such authors as Burns, Blake, Wordsworth, Coleridge, Keats, Shelley, Bronte, Carlyle, Dickens, Eliot, Hardy, and Wilde.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209. Offered fall of odd years.

**Credits:** 3 cr.

**ENG 3360 - TWENTIETH CENTURY BRITISH LITERATURE**

A study of major writers of the twentieth century such as Yeats, Joyce, Woolf, Eliot, Beckett, Winterson, and Rushdie. Topics of study include modernism, postmodernism, literary responses to cultural upheaval such as World War II, and post-colonialism.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2207 or ENG 2209. Offered fall of even years.

**Credits:** 3 cr.

**ENG 3362 - AMERICAN ROMANTICISM AND TRANCENDENTALISM**

A study of American Romanticism and Transcendentalism, focusing on the work of such writers as Emerson, Thoreau, Fuller, Whitman, Melville, Hawthorne, and Poe.

**Prerequisites & Notes:** Prerequisite: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2208. Offered spring of even years.

**Credits:** 3 cr.

**ENG 3363 - AMERICAN REALISM AND NATURALISM**

Study of American literature written between the Civil War and World War I. Possible authors include: Dickinson, Twain, James, Chopin, Crane, Chesnut, Wharton, Dreiser, Wilkins Freeman, and Orne Jewett.

**Prerequisites & Notes:** Prerequisite: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2208. Offered fall of odd years.

**Credits:** 3 cr.

**ENG 3364 - TWENTIETH CENTURY AMERICAN LITERATURE**

A study of major American writers since World War I, such as Wharton, Faulkner, Williams, Baldwin, Morrison, and Erdrich. Topics include modernism, postmodernism, race, and gender.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and one of the following: ENG 1130W or ENG 1115 or ENG 2208. Offered spring of odd years.

**Credits:** 3 cr.

**ENG 3371 - PROFESSIONAL WRITING**

This course teaches students to write for various purposes in professional contexts. Particular attention will be paid to issues of audience awareness and style. Students will write texts for various contexts, including, but not limited to, letters, resumes, memos, press releases, reports, analyses, and grants.

**Prerequisites & Notes:** Prerequisite: ENG 1112

**Credits:** 3 cr.

**ENG 3376 - MAJOR GENRE**

A study of a major genre, such as poetry, drama, the novel, short fiction, nonfiction prose, or film. Prerequisite ENG 1112W and ENG 1130W. Offered spring semester.

**Credits:** 3 cr.

**ENG 3381 - HISTORY OF LITERARY THEORY AND CRITICISM**

Survey of Western literary theory and criticism from Plato, Aristotle, and Horace to the New Critics. Offered fall of odd years.

**Prerequisites & Notes:** Prerequisites: ENG 1112W.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**ENG 3382 - CONTEMPORARY LITERARY THEORY AND CRITICISM**

Survey of recent approaches to literature, including formalist, structuralism, post-structuralism, reader-response, psychoanalytic, feminist, Marxist, new historical, and/or post-colonial literary criticism.

**Prerequisites & Notes:** Prerequisites: ENG 1112W and ENG 1130W. Offered spring of even years.

**Credits:** 3 cr.

**ENG 3385 - MAJOR AUTHOR**

A detailed study of a major author/auteur (or pair of authors/auteurs), such as Chaucer, Milton, Dickens, Brontë, Woolf, Faulkner, Morrison, or Hitchcock. Prerequisite ENG 1112W and ENG 1130W. Offered fall semester.

**Credits:** 3 cr.

**ENG 4401 - SEMINAR IN LITERARY STUDIES**

A sustained, in-depth study of literature which draws on the expertise developed in previous English courses. Topics will vary. Students will complete a seminar-length researched paper/project, culminating in the public presentation of that work. Offered spring semester.

**Prerequisites & Notes:** Prerequisite ENG 1112W and 75 earned credits.

**Credits:** 3 cr.

**ENG 4411 - ADVANCED FICTION WRITING**

Through writing exercises, reading the work of published writers, and workshopping original manuscripts, students will work on creating a portfolio of short fiction. Students will also learn how to market their work. Offered spring semester.

**Prerequisites & Notes:** Prerequisite: ENG 3312.

**Credits:** 3 cr.

**ENG 4412 - ADVANCED POETRY WRITING**

Study of poetry by contemporary poets. Presentations will be made about poets of student's choosing. Learn how to evaluate literary markets, prepare a manuscript to be submitted for publication, and develop a chapbook of poems. Offered spring semester.

**Prerequisites & Notes:** Prerequisite: ENG 3314.

**Credits:** 3 cr.

**ENG 4416 - NOVEL WRITING**

Students will read and discuss published novels and work on writing their own, critiquing and discussing one another's work. Includes the first 3 chapters and a synopsis of the novel.

**Prerequisites & Notes:** Prerequisite: ENG 3312 or permission of instructor.

**Credits:** 3 cr. Notes: May be taken for 1 - 3 credits at one time.

**ENG 4495 - ENGLISH INTERNSHIP**

Offers practical work experience and the opportunity to apply and further develop skills such as writing and editing in a variety of professional settings. May be taken for six through twelve credits. No more than six credits count toward the major.

**Prerequisites & Notes:** Prerequisite: Permission of the department chairperson and supervising faculty member.

Variable Credits: 6-12 cr.

**ENG 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr.

## Environmental Studies

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**ES 3300 - HUMANS IN NATURE**

Students explore the relationship between people and the natural world emphasizing modes of analysis drawn from social science, humanities, and art disciplines. The course focuses on the interdisciplinary understanding of selected issues.

**Prerequisites & Notes:** Prerequisites: GEG 11 22 and one of the following: BSC 1103, CHM 1103, GEL 1102.

**Credits:** 3 cr.

**ES 4497 - INDEPENDENT STUDY**

Working with an advisor outside the area of their majors, students produce interdisciplinary projects involving the relationship between people and nature.

**Prerequisites & Notes:** Prerequisite: Completion of 1 8 hours toward the Environmental Studies minor.

**Credits:** 3 cr.

## English as a Second Language

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### **ESL 0045 - INTENSIVE ENGLISH FOR NON-NATIVE SPEAKERS I**

Designed to improve the writing, reading, speaking, and listening skills of intermediate level non-native speakers of English in preparation for regular degree program academic work. Recommended for students with TOEFL scores between 450 and 500 or who have permission of the instructor. Meets ENG 0090 requirement. Credits do not count toward the total needed for graduation. May be repeated.

**Credits:** 3 cr.

### **ESL 0046 - INTENSIVE ENGLISH FOR NON-NATIVE SPEAKERS II**

Designed to improve the writing, reading, speaking, and listening skills of the advanced intermediate level non-native speakers of English in preparation for regular degree program academic work. Recommended for students who have successfully completed ESL 0045 or who have TOEFL scores between 500 and 515 or who have permission of the instructor. Meets ENG 0090 requirement. Credits do not count toward the total needed for graduation. May be repeated.

**Prerequisites & Notes:** Prerequisite: ENG 0045

**Credits:** 3 cr

### **ESL 1112 - ESL COMPOSITION**

Composition for advanced level non-native speakers of English. Includes intensive reading and writing of expository prose. Assignments develop analytical and critical thinking skills and college-level research skills, with emphasis on the particular needs of ESL students. Meets ENG 1112 requirement. Students may not apply both ENG 1112 and ESL 1112 toward graduation requirements.

**Prerequisites & Notes:** Prerequisites: ESL 0045 and ESL 0046 or permission of instructor. May be taken concurrently with ESL 1145.

**Credits:** 3 cr.

### **ESL 1145 - ADVANCED ENGLISH**

Designed to improve the writing, reading, speaking, and listening skills of advanced level non-native speakers of English in preparation for the TOEFL exam. Credits count toward the total needed for graduation. Recommended for students who have successfully completed ESL 0045 and 0046 or who have a TOEFL score of 515 or higher or who have permission of the instructor.

**Prerequisites & Notes:** ESL 0045 and ESL 0046 or permission of the instructor.

**Credits:** 3 cr.

## Finance

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### **FIN 3301 - INTRODUCTION TO FINANCE**

Examines basic concepts and techniques for identifying and solving elementary financial management problems. Topics include compound interest and time value of money, financial statement analysis, working capital management, cash flow analysis and capital budgeting, short-term financing, and stockholder equity valuation.

**Prerequisites & Notes:** Prerequisite: ECO 1101.

**Credits:** 3 cr.



**FIN 3312 - FINANCIAL MARKETS AND INSTITUTIONS**

This course is an introduction to the money and capital markets of the United States, with an emphasis on the determination of financial asset value and the management of interest rate risk. Topics include the determination of interest rates, valuation of financial claims, financial markets, futures and options, managing interest rate risk, managing credit risk, asset management and pricing, liability management, and government regulation.

**Prerequisites & Notes:** Prerequisite: ECO 1101 and ECO 1102.

**Credits:** 3 cr.

**FIN 3333 - INTERNATIONAL FINANCIAL MANAGEMENT**

Examines international aspects of finance from the point of view of corporations doing business outside the sovereign boundaries. Includes determination of exchange rates, various types of exposure faced by MNCs, international money and capital markets, export/import financing, currency swaps, international portfolio management, international capital budgeting, and foreign direct investment.

Examines the challenges and difficulties faced by MNCs in doing business in China, India, South America and Eastern Europe.

**Prerequisites & Notes:** Prerequisite: ECO 1102 and MA 1125.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**FIN 3380 - MANAGERIAL FINANCE**

This course introduces the investment and financing decision of corporations. Topics covered include valuation of stocks and bonds, time value of money, financial ratios, risk and expected return, capital investment analysis, corporate financing and dividend policy. Some fundamental aspects of international finance are presented. The course will also cover some current issues related to ethics in finance.

**Prerequisites & Notes:** Prerequisites: MA 1125 and ECO 1101.

**Credits:** 3 crd. General Education Requirement: May satisfy General Education requirements.

**FIN 4435 - INVESTMENT THEORY**

Introduction to financial policy with special emphasis on the practical application of risk-return theory. Investment decisions by individuals and firms, in stocks and bonds and other securities, made on the basis of incomplete information in an uncertain environment is covered.

**Prerequisites & Notes:** Prerequisites: ECO 1102 and MA 1125.

**Credits:** 3 cr.

## French

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**FR 1101 - INTRODUCTORY FRENCH I**

For beginning students and those with less than two years of high school French. Emphasis is on grammar, pronunciation drills, aural comprehension, speaking, reading, and writing with language lab.

**Credits:** 3 cr.

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### **FR 1102 - INTRODUCTORY FRENCH II**

Continuation of 1101 with language lab.

**Prerequisites & Notes:** Prerequisite: FR 1101 or equivalent.

**Credits:** 3 cr.

### **FR 2201 - INTERMEDIATE FRENCH I**

Reading texts, grammar review and further practice in aural comprehension, speaking, and writing with language lab.

**Prerequisites & Notes:** Prerequisite: three years of high school French or FR 1102.

**Credits:** 3 cr.

### **FR 2202 - INTERMEDIATE FRENCH II**

Continuation of 2201 with language lab.

**Prerequisites & Notes:** Prerequisite: four years of high school French or FR 2201.

**Credits:** 3 cr.

### **FR 2205 - PHONETICS AND PRONUNCIATION**

A study of the speech organs, place and manner of articulation of French phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to some French dialects and regional pronunciation patterns.

**Prerequisites & Notes:** Prerequisite: FR 1102 or equivalent; FR 2201 or higher is preferred.

**Credits:** 3 cr.

### **FR 3300 - CONVERSATIONAL FRENCH CIVILIZATION**

Designed to gain more fluency and develop writing skills. Examines socio-economic, political, and cultural topics.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

### **FR 3305 - ADVANCED FRENCH CONVERSATION**

Continuation of 3300. Students make oral commentaries and write reports.

**Credits:** 3 cr.

### **FR 3306 - TOPICS IN FRENCH CIVILIZATION (HISTORY)**

A brief survey of French history, with particular attention to major events and personalities.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

### **FR 3307 - TOPICS IN FRENCH CIVILIZATION (GEOGRAPHY)**

A study of the geography of French-speaking countries.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

**FR 3308 - TOPICS IN FRENCH CIVILIZATION (AFRO-FRENCH LITERATURE AND CIVILIZATION)**

A study of Black literature written in French, Africa, and the West Indies.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

**FR 3309 - TOPICS IN FRENCH CIVILIZATION (CONTEMPORARY PROBLEMS)**

A study of the problems facing the people of French-speaking countries.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

**FR 3310 - BUSINESS FRENCH**

An introduction to French business and its terminology: a broad study of the commercial procedures in France with a concentration on the acquisition of the necessary vocabulary.

**Credits:** 3 cr.

**FR 3311 - INTRODUCTION TO FRENCH LITERATURE**

The course is designed to introduce students to important periods, genres, literary movements, and authors. It is based on the most recent French practices in teaching literature at an introductory level, with a concentration on poetry, essay, theatrical works, and autobiographical writings. It is designed to give students a sense of what constitutes a literary text as well as a capacity for analyzing texts, discussing themes and ideas, and improving their reading and writing skills. The course will cover examples of texts from poetry to the novel, from the Renaissance to the end of the XXth century, from tragedy to comedy, from entertainment to questioning and discussing major themes.

**Prerequisites & Notes:** Prerequisites: FR 2202 or permission of instructor.

**Credits:** 3 cr.

**FR 3320 - ADVANCED FRENCH STRUCTURE**

A final review of the structure of French and study of short literary texts.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

**FR 3330 - SURVEY OF FRENCH LITERATURE I**

Selected readings of major French writers through the 18th century, outside readings and reports, literary movements, style and form.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

**FR 3331 - SURVEY OF FRENCH LITERATURE II**

Selected readings of major French writers since 1800; outside readings and reports, literary movements, style and form.

**Prerequisites & Notes:** Prerequisite: FR 2202 or equivalent.

**Credits:** 3 cr.

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### **FR 3339 - FRENCH LITERATURE OF THE MIDDLE AGES AND RENAISSANCE**

Reading and discussion of the beginnings of French literature to the end of the 16th century.

**Prerequisites & Notes:** Prerequisite: FR 3330 and 3331 or permission of instructor.

**Credits:** 3 cr.

### **FR 3340 - FRENCH CLASSICAL LITERATURE**

Critical readings and discussion of the major dramatic works of Corneille, Moliere and Racine with supplementary reading on general background.

**Prerequisites & Notes:** Prerequisite: FR 330 and 331 or permission of instructor.

**Credits:** 3 cr.

### **FR 3341 - FRENCH LITERATURE OF THE ENLIGHTENMENT**

Reading and discussion of the works of Voltaire, Rousseau, and Diderot.

**Prerequisites & Notes:** Prerequisite: FR 3330 and 3331 or permission of instructor.

**Credits:** 3 cr.

### **FR 3342 - CURRENTS IN NINETEENTH-CENTURY FRENCH LITERATURE**

The works of French authors as well as the main currents and form of literary expression from the beginning of Romanticism to the end of the century; Hugo, Balzac, Stendhal, Flaubert, and Zola.

**Prerequisites & Notes:** Prerequisite: FR 3330 and 333 1 or permission of instructor.

**Credits:** 3 cr.

### **FR 3343 - ASPECTS OF TWENTIETH-CENTURY FRENCH LITERATURE**

Development of the novel and modern French theater: Gide, Alain-Fournier, Proust, Mauriac, Malraux, Sartre, Camus, Bernanos, St. Exupery, Green, and Lonesco. Reading and discussion of major works and a written report.

**Prerequisites & Notes:** Prerequisite: FR 3330 and 3331 or permission of instructor.

**Credits:** 3 cr.

### **FR 3350 - DEVELOPMENT OF FRENCH POETRY**

A study of the major works of poets from Villon to the present. Emphasis on interpretation and diction. Study of the French poetic.

**Prerequisites & Notes:** Prerequisite: FR 3330 and 3331 or permission of instructor.

**Credits:** 3 cr.

### **FR 3370 - FOREIGN STUDY - CREDIT ARRANGED**

Open to students who wish to continue the study of French abroad. The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs.

**Credits:** 1 - 3 cr.

### **FR 3371 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3372 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3373 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3374 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3375 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3376 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3377 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3378 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3379 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 3380 - FOREIGN STUDY - CREDIT ARRANGED**

See FR 3370 for course description.

**Credits:** 1 - 3 cr.

**FR 4400 - SENIOR SEMINAR**

Special study projects in French language and literature; independent reading in the defined areas followed by written analytical reports in French. Open to seniors and in exceptional cases to juniors.

**Credits:** 3 cr.

**FR 4405 - HONORS COURSE FOR FRENCH MAJORS - CREDIT ARRANGED**

An individual problems course. Open to qualified seniors with consent of the department. Credit arranged.

**FR 4497 - INDEPENDENT STUDY**

Independent study is a student initiated activity to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

# Geography

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## **GEG 1101 - WORLD REGIONAL GEOGRAPHY**

Regional study of the world with special emphasis on the diversity of human existence and the world-scale problems currently faced.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

## **GEG 1102 - HUMAN GEOGRAPHY**

Study of aspects and distribution of culture. Topics include: population, health, language, religion, and economic activities.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

## **GEG 1111 - PHYSICAL GEOGRAPHY**

Introduces the earth-science component of geography. Topics include: earth-sun relationships, weather and climate, vegetation, soils, and landforms.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

## **GEG 1122 - ENVIRONMENTAL ISSUES**

Surveys a wide range of environmental issues. Topics include: population growth, soils, floods, water availability and quality, sewage treatment, solid and toxic waste, fossil fuels, nuclear power, and alternative energy sources.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

## **GEG 1130 - INTRO INFOGRAPHICS**

A basic course in how to make information visible by creating graphs, charts and maps using readily available software. Major topics include which graphics to use, how to design them, how to create them and how to integrate them into papers and presentations.

**Credits:** 1 cr.

## **GEG 1600 - INTRODUCTION TO WATERSHED MANAGEMENT**

This introductory course explores important processes, concepts, and approaches to watershed management and assessment. Topics include: delineation of watersheds; movement of surface and sub-surface water; and the interaction of water, land and biota. This class is appropriate for anyone interested in the environment and water resources. Field work is required.

**Credits:** 3 cr.

## **GEG 3060 - PRINCIPLES OF SOIL SCIENCE**

A survey course that examines the physical, chemical and biological properties of soils. Relationships between soils and plant growth, land use, watershed management, water pollution, and environmental protection from an integral part of the course. Field work is required.

**Credits:** 3 cr.

**GEG 3272 - GIS/GPS**

Covers Geographic Information systems (GIS) and Global Positioning Systems (GPS), and how to integrate them with databases to solve practical problems. Hands-on work is stressed.

**Credits:** 4 cr.

**GEG 3280 - CARTOGRAPHY**

The principles and tools of cartography. Students use a combination of graphics software and mapping software to compile, design, and produce maps.

**Credits:** 4 cr.

**GEG 3290 - (GEL) MAP AND AIR PHOTO INTERPRETATION**

Studies the interpretation of maps and aerial photographs. Topics include: location systems, scale, portrayal of relief, introductory surveying techniques, photogrammetry, interpretation principles, and specific applications.

**Credits:** 4 cr.

**GEG 3300 - GEOGRAPHIC RESEARCH**

Studies the techniques of research in geography as well as the effective written and oral presentation of results. A research paper is required.

**Credits:** 2 cr.

**GEG 3312 - WEATHER AND CLIMATE**

Studies the basic concepts of meteorology and climatology. Topics include: causes and consequences of climate change, surface and upper-level processes, severe storms, clouds, and optical phenomena.

**Credits:** 3 cr.

**GEG 3321 - (GEL) GEOMORPHOLOGY**

Studies how landforms develop and change. Surveys the major landform regions and national parks of the United States. Interpretation of aerial photographs is an integral part of the course.

**Prerequisites & Notes:** Prerequisite: GEG 1111 or GEL 11 21 or permission of instructor.

**Credits:** 3 cr.

**GEG 3330 - ADVANCED CARTOGRAPHY**

Class-laboratory experience with the application and utilization of modern tools and techniques of cartography and graphics. Emphasis on map design and reproduction.

**Credits:** 3 cr.

**GEG 3345 - WEB BASED CARTOGRAPHY**

This course will demonstrate the role and duties of a cartographer or graphic artist in the design and construction of a graphic-intense website. Each student will design and produce an informative and interactive website that presents a thoroughly researched topic. Students will write HTML and simple scripts that control rollovers, image maps, and slided images. In addition, they will learn about scanning, computer animation, and digital photography for the web.

**Prerequisites & Notes:** Prerequisite: GEG 3280

**Credits:** 3 cr.

**GEG 3364 - GEOSTATISTICS**

An introduction to the methods of geographic measurement, such as data-gathering and statistical-computerized analysis. Intended to familiarize students with more advanced methodologies of geographic research.

**Credits:** 3 cr.

**GEG 3365 - URBAN/ECONOMIC GEOGRAPHY**

An examination of the basic fundamentals of Economic Geography especially as they apply to the location and functioning of urban places in North America. Special emphasis will be placed on the evolution of North American urban places from frontier outposts to the centers of economic activity they represent today.

**Credits:** 3 cr.

**GEG 3380 - GEOGRAPHY OF THE UNITED STATES AND CANADA**

An analysis of the physical and human aspects of the United States and Canada. Particular emphasis on regionalism and regional problems.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**GEG 3381 - GEOGRAPHY OF PENNSYLVANIA**

Analysis of the regional patterns of Pennsylvania. Topics include: topography, climate, water resources, mineral resources, and the historical development of economic regions within the State.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**GEG 3500 - WATERSHED RESTORATION**

An advanced course in Watershed Management that covers various aspects of watershed restoration including: what it is, how it's accomplished, and who carries it out. Also covers the scientific approach to watershed assessment and the role of public education in restoration activities. Field work is required.

**Prerequisites & Notes:** Prerequisite: GEG 1600 - Introduction to Watershed Management.

**Credits:** 3 cr.

**GEG 3510 - WETLANDS**

Wetlands are an important component of watersheds. This course covers their identification, classification, delineation and protection. Field work is required.

**Prerequisites & Notes:** Prerequisite: GEG 1600 - Introduction to Watershed Management

**Credits:** 1 cr.

**GEG 3520 - WATERSHED ETHICS/LAW**

This course covers legal and ethical issues pertaining to watershed management. Pertinent regulations, court decisions and ethical concerns will be addressed.

**Prerequisites & Notes:** Prerequisite: GEG 1600 - Introduction to Watershed Management.

**Credits:** 1 cr.



**GEG 3530 - WATERSHED MANAGEMENT POLICY**

This course examines how the environmental and social impacts of water use and development impact and inform watershed policies and practices.

**Prerequisites & Notes:** Prerequisite: GEG 1600 - Introduction to Watershed Management.

**Credits:** 1 cr.

**GEG 4415 - SPECIAL PROBLEMS IN GEOGRAPHY**

Offers extensive field experience and the opportunity to observe, first-hand, a variety of natural and human processes and phenomena.

**Credits:** 2-4 crs. Notes: May be taken for two through four credits.

**GEG 4420 - REMOTE SENSING**

Examines color and color infrared aerial photography as well as Landsat, SPOT, Thermal and Radar imagery. Computer processing of Landsat data is an integral part of the course. GEG (GEL) 3290 recommended.

**Credits:** 3 cr.

**GEG 4430 - MODERN CARTOGRAPHIC TECHNIQUES**

Advanced map design and production topics. Students use a variety of software packages and data sources to produce maps.

**Prerequisites & Notes:** Prerequisite: GEG 3280

**Credits:** 3 cr.

**GEG 4431 - SEMINAR IN CARTOGRAPHIC PROGRAMMING**

Examines computer programming for cartography and Geographic Information Systems. This course will cover spatial data bases, computer graphics, interface design and translations between major file formats.

**Prerequisites & Notes:** Prerequisite: GEG 3280 and 4430.

**Credits:** 1 cr.

**GEG 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE**

An upper-level seminar that integrates and applies concepts and skills taught in the basic courses of the Environmental Science emphasis.

**Credits:** 1 cr.

**GEG 4496 - INTERNSHIP**

Offers practical work experience and the opportunity to apply and further develop skills taught in the Geography Department.

**Prerequisites & Notes:** Prerequisite: permission of instructor. All internships will be graded S or U – they do not affect your O.P.A.

**Credits:** 3-12 crs. Notes: May be taken for three through twelve credits.

**GEG 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

## Geology

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### **GEL 1102 - ENVIRONMENTAL GEOLOGY**

The relationship of man to his environment will be examined with particular emphasis to problems of natural hazards (earthquakes, flooding, landslides), construction, ground water management, resources, utilization, impact mitigation and geological planning.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **GEL 1121 - PHYSICAL GEOLOGY**

A study of the solid portion of the earth, the materials of which it is composed and the processes which are acting on it. Included are such topics as rocks and minerals, weathering, and geologic structure.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **GEL 3290 - MAP AND AIR PHOTO INTERPRETATION**

Studies the interpretation of maps and aerial photographs. Topics include: location systems, scale, portrayal of relief, introductory surveying techniques, photogrammetry, interpretation principles, and specific applications.

**Credits:** 4 cr.

### **GEL 3302 - ENVIRONMENTAL GEOLOGY LABORATORY**

A laboratory course for advanced studies in environmental geology. Topics will include; geologic hazards, mapping, mineral resource assessment, economic impact of geologic events and prediction/estimation exercises.

**Prerequisites & Notes:** Prerequisite: GEL 11 02: May be taken concurrently.

**Credits:** 1 cr.

### **GEL 3310 - HYDROLOGY**

Hydrology is the study of water in the geological environment. The emphasis of this course is on the occurrence, movement, quality and quantity of surface and groundwater. Students will solve problems using math, maps and software.

**Prerequisites & Notes:** Co-requisite: GEL 3310L - Hydrology Lab

**Credits:** 4 cr.

### **GEL 3310L - HYDROLOGY LAB**

This is a field-based lab that investigates surface and ground water. Students will make observations, collect data and solve problems related to stream discharge, ground water monitoring and water chemistry.

**Prerequisites & Notes:** Co-requisite: GEL 3310 - Hydrology.

**Credits:** 0 cr.

### **GEL 3321 - GEOMORPHOLOGY**

Studies how landforms develop and change. Surveys the major landform regions and national parks of the United States. Interpretation of aerial photographs is an integral part of the course.

**Prerequisites & Notes:** Prerequisite: GEG 1111 or GEL 1121 or permission of instructor.

**Credits:** 3 cr.

**GEL 3322 - HISTORICAL GEOLOGY**

A study of earth history that includes introductory through advanced topics related to geologic time, stratigraphy, paleontology, plate tectonics, and structural geology. Students will apply their new knowledge to solve a number of field, computer, and classroom-based problems. A special emphasis will be placed upon the application of historical geology to mineral resource and geologic hazard assessments.

**Prerequisites & Notes:** Prerequisite: GEL 1121

**Credits:** 3 cr.

**GEL 3330 - HYDROLOGY**

Hydrology is the study of water in the geological environment. Emphasis is on the occurrence, movement, quality, and quantity of surface and groundwater; quantitative geologic and hydrologic methods are included.

**Credits:** 3 cr.

**GEL 3362 - MINERALOGY/PETROLOGY**

A study of rocks and minerals that includes: their chemical and physical properties, how they are identified, where they occur, how they form, and their importance to society. Students will be actively involved with specimen identification, worldwide web activities, and presentation assignments.

**Prerequisites & Notes:** Prerequisite: GEL 1121

**Credits:** 3 cr.

**GEL 4420 - REMOTE SENSING**

Examines color and color infrared aerial photography as well as Landsat, SPOT, Thermal and Radar imagery. Computer processing of Landsat data is an integral part of the course.

**Prerequisites & Notes:** Prerequisite: GEG 3340 recommended.

**Credits:** 3 cr.

**GEL 4465 - SEMINAR IN ENVIRONMENTAL SCIENCE**

An upper-level seminar that integrates and applies concepts and skills taught in the basic courses of the Environmental Science emphasis.

**Credits:** 1 cr.

**GEL 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

## German

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**GER 1101 - INTRODUCTORY GERMAN I**

For beginning students and those with less than two years of high school German who wish to review their knowledge starting from the very beginning. Students will learn the

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most basic communicative skills and will be able to greet people, give personal information, and otherwise form simple sentences and ask questions. Skills are all taught from a cultural emphasis and include pronunciation and speaking, listening comprehension, reading, writing proper structures. Online language laboratory and other exercises are required weekly.

**Credits:** 3 cr.

### **GER 1102 - INTRODUCTORY GERMAN II**

Continuation of 1101. This course is appropriate for students who have had 1 or 2 years of high school German. Students will strengthen skills in all areas and should be able to survive in a German-speaking environment at a minimum level by the end of the course. Online language laboratory and other exercises are required weekly.

**Prerequisites & Notes:** Prerequisite: GER 1101 or equivalent.

**Credits:** 3 cr.

### **GER 2201 - INTERMEDIATE GERMAN I**

A review and expansion of topics involving cultural competence and the structure of the German language with additional emphasis on listening comprehension, speaking, reading, and writing. Particular attention is given to vocabulary development. Online language laboratory and other exercises are required. The course is appropriate for those with 2-3 years of high school German or equivalent.

**Prerequisites & Notes:** Prerequisite: GER 1102 or equivalent.

**Credits:** 3 cr.

### **GER 2202 - INTERMEDIATE GERMAN II**

Increased emphasis on the development of language skills, using materials taken from current events and cultural and literary selections. Online language laboratory and other exercises are required. The course is appropriate for those with 3-4 years of high school German.

**Prerequisites & Notes:** Prerequisite: GER 2201 or equivalent.

**Credits:** 3 cr.

### **GER 2205 - PHONETICS AND PRONUNCIATION**

A study of the speech organs and of the place and manner of articulation of German phonemes and their phonetic realizations, along with extensive practice exercises on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to major German dialect groups.

**Prerequisites & Notes:** Prerequisite: GER 1102 or equivalent; GER 2201 or higher preferred.

**Credits:** 3 cr.

### **GER 3300 - CONVERSATIONAL GERMAN**

Intensive oral practice in German for the development of a higher degree of fluency in the spoken language. Emphasis on topics of cultural, social, economic, and political nature.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent.

**Credits:** 3 cr.

**GER 3305 - ADVANCED GERMAN CONVERSATION**

Intensive development of oral expression for students desiring a higher level of oral fluency. Emphasis is on enabling the student to carry on discussion in more detail and giving oral reports.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent.

**Credits:** 3 cr.

**GER 3320 - ADVANCED GERMAN STRUCTURE**

Study and practical application of the German structural patterns with concentration on the morphology and syntax of the language.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent.

**Credits:** 3 cr.

**GER 3321 - COMPOSITION AND STYLISTICS**

Development of self-expression in writing. Emphasis is on simultaneous development of expression and stylistic writing. Frequent written assignments and at least one significant written assignment of a critical nature.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent. One previous GER 3000-level course preferred.

**Credits:** 3 cr.

**GER 3330 - INTRODUCTION TO GERMAN LITERATURE**

This course will examine both the main literary movements from the 19th century to the present as well as the major authors representing them. Students will read selections from many of these authors' works and discuss them in their historical context. The course also aims to familiarize students with methods of literary analysis.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent. One previous GER 3000-level course recommended.

**Credits:** 3 cr.

**GER 3331 - EARLY GERMAN LITERATURE**

A cross section of literary movements and significant writers from the earliest periods into the 18th century, with readings of representative texts. Students will also be introduced to earlier forms of the German language along with modern German translations.

**Prerequisites & Notes:** Prerequisites: GER 2202 or equivalent. GER 3330 recommended.

**Credits:** 3 cr.

**GER 3335 - DEUTSCHE LANDESKUNDE**

Students will become acquainted with the political, educational, and economic makeup of modern Germany, including special problems of the German reunification. Contemporary German culture will also be examined in its context within society as a whole. In addition, practical aspects of everyday German life (public transportation, mail system, social behavior, etc.) are covered.

**Prerequisites & Notes:** Prerequisites: GER 2202 or equivalent.

**Credits:** 3 cr.

**GER 3336 - PROSEMINAR: LAENDER UND STAEDTE**

Emphasis is on the cultural, economic, and social significance of each major geographical region along with main cities and tourist destinations in each. Students will also prepare individual presentations on an area that interests them.

**Credits:** 3 cr.

**GER 3337 - PROSEMINAR: TWENTIETH CENTURY GERMAN LITERATURE**

Major literary movements along with works or selections of works by representative authors will be the focus of this course. Techniques and terminology of literary analysis will be covered. Students will prepare a research project on a particular author, genre, or movement.

**Credits:** 3 cr.

**GER 3338 - PROSEMINAR: NINETEENTH CENTURY GERMAN LITERATURE**

Readings from principal authors of the 19th century will be used to analyze the various literary and social movements that characterized this period. Students will be expected to carry out a research project.

**Credits:** 3 cr.

**GER 3341 - PROSEMINAR**

Course may be repeated with different topics.

**Prerequisites & Notes:** Prerequisite: GER 2202 or equivalent; at least one previous 3000-level GER course preferred.

**Credits:** 3 cr.

**GER 3360 - SEMINAR: GERMAN CULTURAL HISTORY**

Survey of the cultural development of the German-speaking areas from the tribal migration period through the recent reunification. Emphasis is on literary, architectural, musical, scientific, and artistic achievements of each period and how these interact. Students will prepare several brief presentations and an in-depth project.

**Credits:** 3 cr.

**GER 3361 - SEMINAR: EIGHTEENTH CENTURY GERMAN LITERATURE**

Literary and social periods of the 18th century and texts by representative authors will be stressed. Students will gain exposure to older literary styles and language usage. Each student will carry out a research project on one author or movement within the period.

**Credits:** 3 cr.

**GER 3362 - SEMINAR: GERMAN LYRIC POETRY**

A representative sample of lyric poetry from the earliest extant examples up to that of contemporary times. Students will be exposed to metrical analysis, poetic devices and forms, and terminology used in literary discussions of verse. Written project and smaller oral presentations required.

**Credits:** 3 cr.

**GER 3363 - SEMINAR: THE GERMAN NOVELLE**

This is a genre-study course that concentrates on the Novelle (longer short story or novelette) as it developed in the German-speaking countries. Authors studied are from the 19th and early 20th centuries, covering romanticism to realism.

**Credits:** 3 cr.

**GER 3364 - SEMINAR: GERMAN DRAMA**

Representative plays and theories of drama from each of the main literary movements will be studied in their social and artistic contexts. A research project will be required, part of which might be, depending upon wishes of the class, actual scenes for presentation to class or campus audience.

**Credits:** 3 cr.

**GER 3370 - FOREIGN STUDY - CREDIT ARRANGED**

"Strongly recommended for all German majors - especially those in the BSE program or who plan to pursue graduate work, but open to students of any major who wish to live and study in Germany." The number of credits granted is based upon validated credentials presented to the department. Plans for foreign study should be submitted at least one semester prior to departure. Regulations regarding study abroad are available in the Office of the Provost/Vice President for Academic Affairs.

**Credits:** 1 - 3 cr.

**GER 3371 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3372 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3373 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3374 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3375 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3376 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3377 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3378 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3379 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 3380 - FOREIGN STUDY - CREDIT ARRANGED**

See GER 3370 for course description.

**Credits:** 1 - 3 cr.

**GER 4400 - SENIOR SEMINAR**

Possible topics: works of one specific author (e.g., Boll, Brecht, Heine, Durrenmatt, Goethe, Schiller, Grass); children's literature and fairy tales; literature of the former East Germany; introduction to Middle High German; history of the German language; introduction to comparative Germanic philology. Other topics possible if prearranged with instructor.

**Credits:** 3 cr.

**GER 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2, or 3 credits at one time.

## **Graphic Design**

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**GRA 1101 - INTRODUCTION TO GRAPHIC DESIGN**

This course offers a survey of the tools that graphic designers use in both print and motion graphics. The goals of this course are to provide instruction on current trends in graphic design and experience in hands-on utilization of tools appropriate to the discipline.

**Credits:** 3 cr.

**GRA 1102 - HST OF GRAPHIC DESIGN**

This course offers a survey of the development of the field of graphic design from its beginnings to current practices in both print and electronic form. The goals of this course are to provide instruction and experience in: historical development of the field of graphic design; visual identity.

**Credits:** 3 cr.

**GRA 2201 - COMPUTER GRAPHICS I**

This introductory course is designed to offer instruction on the basic concepts and terminology of the application of 2-D and basic 3-D computer graphics in visual communication. Concentration is on visualization, design and digital techniques.

**Prerequisites & Notes:** GRA-1101

**Credits:** 3 cr.



**GRA 3301 - COMPUTER GRAPHICS II**

Exploration in the use of appropriate software in computer graphics including further examination of techniques in creating 3-D graphics. Additional instruction will focus on utilizing computer animation software such as Cinema 4-D and/or Maya.

**Prerequisites & Notes:** GRA-1101.

**Credits:** 3 cr.

**GRA 4406 - DIGITAL VIDEO EDITING**

Instruction in the mechanics and techniques of non-linear video editing ranging from logging and organizing materials to understanding and employing differing types of editing methods. Hands-on experience with various editing platforms such as Final Cut Pro and AVID.

**Prerequisites & Notes:** GRA-1101

**Credits:** 3 cr

**GRA 4410 - INTERNSHIP**

This course is designed to offer students practical understanding of graphic design techniques in the workplace environment. The student will take part in a supervised and evaluated experience in varied settings.

**Prerequisites & Notes:** Earned 90 credits by the semester preceding the internship, and have a 2.5 overall QPA and 3.0 in the major at the time of application.

**Credits:** 6-15

## Health and Physical Education

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**HPE 1100 - HEALTH (PERSONAL AND COMMUNITY)**

Includes health services, health instruction, and health environment dealing with contemporary principles, practices, and concepts serving personal, family, and community health.

**Credits:** 2 cr.

**HPE 1101 - BEGINNING SWIMMING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1102 - BEGINNING BOWLING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1103 - BEGINNING TENNIS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1104 - BEGINNING BADMINTON AND TENNIS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1105 - BEGINNING BADMINTON AND GOLF**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1106 - BEGINNING ARCHERY**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1107 - BEGINNING BILLIARDS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1108 - BEGINNING RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1109 - BEGINNING SKIING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1110 - BEGINNING GOLF**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1114 - ARCHERY AND VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1115 - CONDITION AND BODY AWARENESS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1116 - BASKETBALL AND SOCCER**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1117 - BADMINTON AND RACQUETBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1118 - RACQUETBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1119 - AEROBIC AQUATICS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1120 - TENNIS AND BADMINTON**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1122 - CONDITION AND WEIGHT TRAINING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1123 - BADMINTON AND VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1125 - FIELD HOCKEY AND RACQUETBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1127 - BEGINNING GOLF VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1128 - AEROBIC CONDITIONING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1129 - ARCHERY**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1130 - GOLF**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1131 - WALK LIFE FITNESS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1132 - HYDRO AEROBICS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1134 - BILLIARDS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1135 - TENNIS AND RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1136 - RECREATIONAL SWIMMING ACTIVITIES**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1137 - TENNIS AND VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1138 - TENNIS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1139 - SOFTBALL AND VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1140 - RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1141 - BADMINTON AND RACQUETS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1142 - BADMINTON AND TENNIS**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1143 - INTERMEDIATE SWIMMING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1144 - INTERMEDIATE SKIING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1145 - INTERMEDIATE TENNIS AND VOLLEYBALL**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1146 - INTERMEDIATE BOWLING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1148 - ADVANCED SWIMMING**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in lifetime fitness, leisure, and recreational activities.

**Credits:** 1 cr.

**HPE 1149 - LIFEGUARD TRAINING**

Designed to provide necessary minimum skills for a person to serve as a non-surf lifeguard. Reaching, throwing, wading and swimming rescue techniques. American Red Cross certification upon successful completion.

**Prerequisites & Notes:** Prerequisite: current Standard First Aid and Adult CPR certification.

**Credits:** 1 cr.

**HPE 1151 - ADVANCED BADMINTON**

Serves the individual with little or no experience in the activity selected. Emphasis on beginner-level fundamental skills in seasonal activities for individual, dual, and team sports.

**Credits:** 1 cr.

**HPE 1160 - LIFEGUARD INSTRUCTOR**

Students currently certified as lifeguards will develop skills to teach lifeguard training and CPR for the professional rescuer.

**Prerequisites & Notes:** Prerequisites: Current Lifeguard and CPR Professional Rescue Certification or HPE 1149.

**Credits:** 1 cr.

**HPE 1164 - AEROBIC CONDITIONING AND CPR**

Foundations, design, and evaluation of individualized aerobic conditioning programs with a variety of activities and Heart Association Heartsaver CPR with AED Certification.

**Credits:** 1 cr.

**HPE 1165 - HIKING**

Designed to cover the broad scope of activities concerned with hiking, compass use and orienting. Emphasis will be placed upon safety, equipment, and traversing various trails in Tioga County. Participation in weekend sessions is required.

**Credits:** 1 cr.

**HPE 1168 - BLS FOR HLTH CARE PROVIDERS**

This course is designed to teach the skills of CPR for victims of all ages (including ventilation with a barrier device, bag-mask device, and oxygen), use of automated external defibrillator (AED), and relief of foreign-body airway obstruction (FBAO), as prescribed by the American Heart Association. It is intended for students who, by nature of their professions, provide health care to patients and victims in a wide variety of situations, including in-hospital and out-of-hospital settings. The course is also designed for anyone required to take a healthcare/professional rescuer course for future employment. This course is a prerequisite for those seeking future certification in ACLS and PALS.

**Credits:** 1 cr.

**HPE 2225 - WATER SAFETY INSTRUCTION**

Provides students with the practical experience and knowledge needed to teach swimming beginning at the non-swimmer level up to advanced senior life saving.

**Prerequisites & Notes:** Prerequisite: completion of advanced life saving.

**Credits:** 2 cr.

**HPE 3300 - TECHNIQUES OF COACHING TRACK AND FIELD**

Participation in actual training techniques in track and field. Planning and organizing equipment for a track program will be studied.

**Credits:** 3 cr.

**HPE 3305 - COACHING AND OFFICIATING WRESTLING**

Practical training in wrestling fundamentals, strategy and the psychology of coaching, fundamentals of officiating, rule interpretation and preparation.

**Credits:** 3 cr.

**HPE 3310 - SPECIAL PHYSICAL EDUCATION FOR THE EXCEPTIONAL CHILD**

A comprehensive analysis of the physically, emotionally, and socially handicapped student. Includes selected activities and achievement standards in the field of health, physical education, and athletics.

**Credits:** 3 cr.

**HPE 3315 - ATHLETIC TRAINING**

Designed to provide experience in the application of various methods of treatment to athletic injuries. A study of preventive measures and medical management of athletic injuries.

**Credits:** 3 cr.

**HPE 3320 - BASIC FOOTBALL**

Examines the methods, techniques, and psychology used in coaching football. Provide the prospective coach with knowledge of the personal problems in motivating and handling individual players.

**Credits:** 3 cr.

**HPE 3330 - COACHING BASKETBALL**

Practical training in the areas of basketball fundamentals, individual and team play, strategy, and the psychology of coaching.

**Credits:** 3 cr.

**HPE 3340 - FIRST AID AND CPR (STANDARD AND ADVANCED)**

Theory and application of the methods, techniques, and psychology used in first aid and safety. Students will receive certification by the American Heart Association in Adult and Pediatric CPR, Adult AED, and First Aid.

**Credits:** 3 cr.

**HPE 3341 - ADVANCED FIRST AID AND CPR RECERTIFICATION**

To provide advanced skills and knowledge when responding to first aid situations: to certify instructors where there is a need for basic first aid, multi-media first aid, and standard first aid and personal safety; to recertify current first aiders.

**Credits:** 3 cr.

**HPE 3350 - METHODS I, TEACHING HEALTH AND PHYSICAL EDUCATION IN ELEMENTARY SCHOOL**

Principles, problems, materials, and techniques for conducting the health and physical education programs in the elementary schools.

**Credits:** 2 cr.

**HPE 3360 - KINESIOLOGY**

Analysis of human motion based on anatomical and mechanical principles. Applications of mechanics to sports activity.

**Prerequisites & Notes:** Prerequisite: BSC 11 21

**Credits:** 3 cr.

**HPE 3370 - PHYSIOLOGY OF EXERCISE**

Critical analysis of physiological bases of muscular activity with special attention to general effects of exercise on body function.

**Prerequisites & Notes:** Prerequisite: BSC 1122 and HPE 3360.

**Credits:** 3 cr.

**HPE 3375 - ADVANCED ATHLETIC TRAINING**

An in-depth study of detailed orthopedic evaluation of injuries to athletes. Rehabilitation of specific major joints from post-op to competition will be studied.

**Prerequisites & Notes:** Prerequisite: HPE 2206, 2207 and 3315.

**Credits:** 3 cr.

**HPE 3376 - ATHLETIC TRAINING LAB III**

Examines the therapeutic modalities commonly used in the field of athletic training. Students in the area of concentration will be required to perform clinical work under the direct supervision of a licensed NATA certified athletic trainer.

**Credits:** 1 cr.

**HPE 3377 - ATHLETIC TRAINING LAB IV**

The use and misuse of prescription and non-prescription medication in athletics today. The student will be required to perform clinical work under the direct supervision of a licensed NATA certified athletic trainer.

**Prerequisites & Notes:** Prerequisite: HPE 3376

**Credits:** 1 cr.

**HPE 3390 - COACHING BASEBALL**

Provides the knowledge, skills, and attitudes to prepare students to coach high school baseball programs dealing with organizational factors of coaching as well as the strategies and skills of the game.

**Credits:** 3 cr.

**HPE 4420 - HUMAN BEHAVIOR IN COACHING**

Designed for the experienced coach as well as the future coach to acquire a better understanding of the most important and least understood aspect of athletics. Includes appropriate techniques to teach athletics to consciously affect motivational processes.

**Credits:** 3 cr.

**HPE 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

## History

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**HST 1111 - WORLD CIVILIZATION TO 1350**

A survey of significant ideas, events, and cultural developments from the emergence of ancient Civilizations to 1350.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 1112 - WORLD CIVILIZATION 1350-1900**

A continuation of HST 1111, beginning with the Renaissance to the close of the nineteenth century, including the political, economic, and social developments that affected the world.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements



**HST 1113 - WORLD HISTORY SINCE 1900**

A survey of the cultural, political, economic, and social forces that have shaped world history since 1900, with particular emphasis on global historical trends.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 2201 - UNITED STATES HISTORY TO 1877**

A survey of American history covering pre-European contact through colonization, independence, and the formation of the new republic; nationalism, sectionalism, and the growth of democracy in the 19th century; and the Civil War and Reconstruction.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 2202 - UNITED STATES HISTORY SINCE 1877**

A continuation of 2201, covering significant trends and events in the rise of modern industrial America, its emergence as a world power and events into the 21st century.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 2210 - AMERICAN WOMEN'S HISTORY**

Explores the cultural, social, racial, and political forces that have shaped the experiences of women throughout American history.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 2220 - WORLD WAR II**

The origin, background, and course of World War II and its effects upon world affairs. Deals with battles and the scientific, psychological, political, and economic impact of the war.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 2226 - FILM AS HISTORY**

Explores how the cinema, the 20th century's most important mass medium, has portrayed and presented history on the screen. We view various feature films with historical topics and then analyze how these films present history to their audiences. We look into not only questions of visual representation, but also the problem of factual accuracy.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 3265 - HISTORY OF SPORTS IN AMERICAN SOCIETY**

Topics include: evolution of major sports, influence of organization and technology, critics of sports, racism, role of women and labor relations within sports, sports in the school, various sports heroes, and sports and culture.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 3266 - HISTORY OF BASEBALL**

This course will examine the history of baseball from its origins during the colonial period into the 21st century. Particular attention will be paid to the relationship between baseball and American culture, including the sport's ethnic and working class roots, the changing nature of leisure and recreation, business consolidation, gender and race relations, labor-management conflict, and the importance of the community in everyday society. Offered online during summer sessions.

**Prerequisites & Notes:** One history course or permission of instructor.

**Credits:** 3 cr. General Education Requirement: Satisfy Humanities and Information Literacy.

**HST 3275 - HISTORY OF SOUTH AND SOUTHEAST ASIA**

Historical study of the peoples of South and Southeast Asian countries from ancient to the present. Also covers the indigenous religions of the region. Includes the Indian subcontinent and SE Asian countries such as Indonesia, Malaysia, Singapore, Thailand, Cambodia, and Vietnam.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 3333 South and Southeast Asian Ethnology.

**HST 3290 - HISTORICAL METHODS**

Introduces the student to the discipline, methods, and techniques of historical research and writing. Examines the major interpretations of history.

**Credits:** 3 cr.

**HST 3294 - TOPICS IN AMERICAN HISTORY**

A special area of American history that is of current interest.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 3295 - TOPICS IN GLOBAL HISTORY**

A special area of world history that is of current interest.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 3296 - TOPICS IN EUROPEAN HISTORY**

A special area of European history that is of current interest.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 3296 European Ethnography. General Education Requirement: May satisfy General Education requirements

**HST 3303 - EARLY AMERICAN HISTORY TO 1800**

A study of the exploration and settlement of North America with emphasis on English colonies through independence and the early years of the new nation. Particular emphasis on political, social, and economic developments.

**Credits:** 3 cr.

**HST 3304 - HISTORY OF THE CIVIL WAR AND RECONSTRUCTION**

Sectional controversy; constitutional issues, secession and military conflict; the aftermath of the war, North and South, with emphasis on political development during reconstruction ending.

**Prerequisites & Notes:** Prerequisite: one history course or permission of instructor.

**Credits:** 3 cr.

**HST 3307 - CONTEMPORARY AMERICA**

Explores the social, cultural, and economic changes of America since World War II. Examines the rise of suburbia, civil rights, counterculture, and development of the post-industrial economy.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 3308 - RISE OF INDUSTRIAL AMERICA, 1877-1945**

Study of the growth of big businesses and influential figures of corporate America. Also addresses the political and social implications on American society.

**Prerequisites & Notes:** Prerequisite: One history course or approval of instructor.

**Credits:** 3 cr.

**HST 3310 - AFRO-AMERICAN EXPERIENCE**

African heritage, Atlantic slave trade, American slavery, Civil War and Reconstruction, segregation and disfranchisement, the Harlem Renaissance, and Black Revolution, black resistance, and the quest for a black identity.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 3313 - WOMEN IN EUROPEAN HISTORY**

Explores the experiences of women in Europe from the fall of Rome to the present. Particular emphasis is placed on the changing legal and social status of women throughout the period.

**Credits:** 3 cr.

**HST 3316 - TEACHING SECONDARY SOCIAL STUDIES**

This course provides a thorough background in the methods and materials for the teaching of social studies. Emphasis is placed on self-directed inquiry that focuses on identifying issues, problems, and contexts and on methods to incorporate this knowledge and these skills into classroom instruction. Students will have an opportunity to plan and implement practice strategies in the classroom.

**Prerequisites & Notes:** Prerequisite: ED 11 02 – must be a teacher education candidate.

**Credits:** 3 cr.

**HST 3320 - HISTORY OF AMERICAN TECHNOLOGY AND ENVIRONMENT**

Study of the American landscape and its inhabitants. Role of technology in American society and its impact on the environment. Environmental thought and issues on the changing landscape. Implications of population growth, technology, industries, and development on the American economy and society.

**Prerequisites & Notes:** Prerequisite: One history course or approval of instructor.

**Credits:** 3 cr.

**HST 3325 - HISTORY OF WITCHES AND WITCH HUNTS**

This course explores one of the darkest periods in history, the witch hunts which occurred in Europe and Salem in the early modern period. The course focuses on the intellectual, economic, and social forces which allowed people to believe in witches and to accuse their family members and neighbors of witchcraft. The course also addresses issues of gender and their impact on the witch hunts both in Europe and Salem.

**Credits:** 3 cr.

**HST 3326 - HISTORY OF WOMEN AND TELEVISION**

Through a study of both former and present television program, this course explores the changing roles of American women. We will consider how television both reflects and

influences the culture understanding of gender in our society. The course will include discussions from a historical perspective on the impact of women in the workplace, the women's movement and its backlash. The importance of these events and their reflection in television programs throughout the television age will be discussed.

**Credits:** 3 cr.

### **HST 3330 - ROME: FROM REPUBLIC TO EMPIRE**

Traces the history of Rome from the founding of the Roman Republic in the 5th century B.C. to the fall of the Western Roman Empire in 476 A.D. Particular emphasis is placed on cultural and political trends during the late Republic and early Empire.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

### **HST 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA**

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society.

**Credits:** 3 cr.

### **HST 3345 - MIDDLE AGES: LIFE AND STYLE**

The political, socioeconomic, and cultural development of the civilization of Medieval Europe from the fall of Rome to the Medieval synthesis in the High Middle Ages.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

### **HST 3350 - INTRODUCTION TO PUBLIC HISTORY**

An introduction to selected areas of the public history field for those students who would like to know more about career and employment opportunities outside of teaching. Topics include museums, archives, historic site interpretation, historic preservation, and historical societies.

**Credits:** 3 cr.

### **HST 3357 - HISTORY OF ENGLAND**

A survey of the social, political, economic, and constitutional themes that have shaped the history of England.

**Credits:** 3 cr.

### **HST 3361 - EARLY MODERN EUROPE**

Political, social, economic, and cultural forces involved in the transition from medieval Western society with attention to the rise of national states and the growth of individualism.

**Credits:** 3 cr.

### **HST 3366 - TWENTIETH CENTURY EUROPE**

A study of the political, economic, cultural, and international developments in Europe during the twentieth century. Particular attention is given to the two World Wars and their causes, the rise of mass culture, the cold war, and the revolutions of 1989.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 3377 - HISTORY OF LATIN AMERICA**

A survey of Mexico, Central America, South America, and the Caribbean from Pre-Columbian Indian Civilizations to the 20th century. Emphasis is placed on the factors that have affected the region's social, economic, and political development.

**Credits:** 3 cr.

**HST 3387 - HISTORY OF EAST ASIA**

Traditional cultures and institutions of China and Japan and their roles in Korea and Southeast Asia; the role of Western powers in China's development; post-war changes; United States foreign policy in relation to the Far East; and the emergence of Communist China and Modern Japan are discussed.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 3388 - HISTORY OF AFRICA**

Surveys the history of Africa from Paleolithic times to the presents, with particular emphasis on broad regional trends and the formation of African states after 1 800.

**Credits:** 3 cr.

**HST 3395 - THE COLD WAR**

This course covers the period of the Cold War, from its origins late in the Second World War to its end with the revolutions of 1989 and the demise of the Soviet Union in December, 1991. We will especially look at the major events, international relations, and cultural impact of the Cold War.

**Prerequisites & Notes:** Prerequisites one HST course.

**Credits:** 3 cr.

**HST 4401 - HISTORY OF PENNSYLVANIA**

The founding and development of Pennsylvania, emphasizing the social, political, and economic characteristics of the Commonwealth; the diversity of its people.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**HST 4406 - THE WESTWARD MOVEMENT IN AMERICA**

Settlement of the geographic areas and the influence of westward expansions on the political, social and economic development of the American people. Includes the trans-Mississippi West and role of the Plains Indian in American history.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 4415 - MODERN AMERICAN DIPLOMACY**

Explores American diplomacy from the Spanish American War through recent events. Included are the techniques, purposes, and problems of diplomacy.

**Credits:** 3 cr.

**HST 4420 - NAZI GERMANY AND THE HOLOCAUST**

Explores the political, cultural, economic, and social history of National Socialism, from Hitler's rise to political prominence in the 1 920s to the demise of the Third Reich in May, 1945. Particular attention is paid to the genesis of the Nazi Holocaust and its historical repercussions.

**Prerequisites & Notes:** Prerequisite: One history course or consent of the instructor.

**Credits:** 3 cr.

**HST 4431 - HISTORY OF CONSUMER CULTURE IN AMERICA**

Rise of contemporary consumption and its impact on American society since late 19th century. Historiography of consumer thought, materialism, and social excesses.

**Credits:** 3 cr.

**HST 4450 - INTERNSHIP**

Provides pre-professional skills. Museum and archival work are examples of areas in which students can bring together academic training and practical experience.

**Prerequisites & Notes:** Prerequisite: permission of department chairperson, sponsoring instructor, and an agency.

**Credits:** 3 - 12 cr. Notes: May be taken for 3 through 12 credits.

**HST 4452 - SOUTH AFRICA: FROM CAPE COLONY TO APARTHEID**

Explores the history of South Africa, from its founding as a Dutch Colony in 1652 to the collapse of the Apartheid system in the 1990s and the election of Nelson Mandela as president of a multiethnic nation. Particular emphasis is placed on the history of racial segregation and the development of Apartheid.

**Prerequisites & Notes:** Prerequisite: One history course.

**Credits:** 3 cr.

**HST 4471 - HISTORY OF MEXICO AND THE CARIBBEAN**

A survey of Mexico and the Caribbean basin from the rise of native civilizations to the revolutions of the 20th century and their aftermath. Studies the interaction of various racial groups, the formation of distinct national identities, and class conflict.

**Credits:** 3 cr. Dual Listed/Cross Listed: Dual listed with ANH 4471 Ethnography of Mexico and the Caribbean.

**HST 4487 - PACIFIC RIM: HISTORY AND THE CONTEMPORARY WORLD**

Study of the cultures and traditions of China, Japan, Korea, and Southeast Asian countries with special focus on the Newly Industrialized Countries and their participation in the global economy.

**Credits:** 3 cr.

**HST 4496 - SEMINARS ON SELECTED TOPICS**

In-depth knowledge of historical methodology and research. Significant historical problems are selected for oral discussion.

**Prerequisites & Notes:** Prerequisite: One history course or permission of instructor.

**Credits:** 3 cr.

**HST 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Honors

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### **HON 1107 - MACRO PHYSICAL SCIENCE**

An introduction to motion and energy, astronomy thermodynamics, and sound. Students will construct laboratory apparatus from readily available sources to make measurements. Regularly cross-listed with SCI 1107, Offered in Fall semester.

**Credits:** 3 cr.

### **HON 1108 - MICROPHYSICAL SCIENCE**

An introduction to the atom, chemistry, electricity and magnetism, and light. Students will construct laboratory apparatus from readily available sources to make physical measurements. Regularly cross-listed with SCI 1108. Offered in Spring semester. Honors Students take only one Honors science course, either HON 1107 or HON 1108.

**Credits:** 3 cr.

### **HON 1111 - HUMANITIES HONORS I**

Introduction to the humanities by means of an interdisciplinary content drawn from literature, philosophy, theater, music, art and history.

**Credits:** 3 cr.

### **HON 1112 - HUMANITIES HONORS II**

Continuation of HON 1111. HON 1112 may be taken prior to HON 1111 if necessary.

**Credits:** 3 cr.

### **HON 2200 - RESEARCHING CONTEMPORARY ISSUES**

This course focuses on a series of case studies drawn from recent events of local, national and international importance with an emphasis on interdisciplinary research methods.

**Credits:** 3 cr.

### **HON 3301 - FIELD WORK IN THE NATURAL AND SOCIAL SCIENCES**

Students work individually and collaboratively on field-based research projects in the natural or social sciences.

**Prerequisites & Notes:** Prerequisites: HON 1111, HON 1112, and HON 2200, or permission of the instructor.

**Credits:** 3 cr.

### **HON 4497 - SENIOR RESEARCH PRESENTATION**

A semester-long project, related to the student's major, that involves the perspective of at least two academic disciplines. The project is supervised by a faculty member of the student's choosing and approved by the Honors Program Director. A formal presentation before the campus community concludes the Honors Program.

**Credits:** 3 cr.

## Journalism

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### **JN 1100 - JOURNALISM**

Introduces the nature and practice of newsgathering, reporting, writing, editing, and professionalism. Students acquire basic skills by covering textbook examples and off-campus breaking stories.

**Credits:** 3 cr.

**JN 2200 - CRISIS NEWS ANALYSIS**

Critically examines roles, functions, and performance of the media during crises. Addresses the nature of crisis reporting of war, disaster, and the global environment.

**Prerequisites & Notes:** Prerequisite: JN 1100 or instructor permission.

**Credits:** 3 cr.

**JN 2210 - MEDIA DESIGN**

Presents communication/design concepts, applications and production methods, including computer desktop publishing. Lessons focus on design principles, typography, printing processes, copywriting, budget/production planning, and mechanical production for various printed materials.

**Credits:** 3 cr.

**JN 3310 - SPECIALIZED NEWS AND FEATURE WRITING**

Develops the journalism craft beyond routine coverage practices. Field assignments and classroom workshops offer practical experience in non-fiction depth/feature writing styles, interviewing techniques, and story marketing.

**Prerequisites & Notes:** Prerequisite: JN 1100.

**Credits:** 3 cr.

**JN 3320 - MAGAZINE WRITING AND PRODUCTION**

Explores advanced non-fiction feature article writing and literary journalism, with an emphasis on magazine writing, design, and production. Students create the annual edition of Crossroads magazine published in May since 1990.

**Prerequisites & Notes:** Prerequisite: JN 1100, JN 3310, or instructor permission.

**Credits:** 3 cr.

**JN 3330 - CONTEMPORARY ISSUES IN JOURNALISM**

Engages students in issues, problems, and criticism concerning the mass media. Material covers media ethics; First Amendment and libel concerns; group media ownership; and public perception of the media.

**Prerequisites & Notes:** Prerequisite: JN 1100 or professor permission.

**Credits:** 3 cr.

**JN 4495 - INTERNSHIP**

An "internship" or work with local newspaper. Practice working on a publication, with attention given to the student's journalistic interest (news reporting, photography, editing) and the major aspects of production.

**Prerequisites & Notes:** Prerequisite: JN 1100.

**Credits:** 1 – 12 cr. Notes: May be taken for 1 through 12 credits.

## **Leadership**

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**LDR 3325 - INTRODUCTION TO LEADERSHIP STUDIES**

Provides students with an in-depth understanding of leadership studies and examines applications of leadership principles to the college environment as well as other settings in the community. Students participate in a campus or community setting where they



can study and apply these principles. Serves as an entry into the Minor in Leadership Studies.

**Prerequisites & Notes:** Prerequisite: 45 credit hours

**Credits:** 3 cr.

### **LDR 4425 - LEADERSHIP CAPSTONE**

A leadership seminar and practicum that provides a capstone to the Minor in Leadership Studies. Students will synthesize and integrate their interdisciplinary studies of leadership, complete self-assessments on their leadership abilities, complete a leadership portfolio with a focus on their future development as leaders, and initiate and complete an applied leadership project in the campus or community environment.

**Prerequisites & Notes:** Prerequisites: LDR 3325 and completion of at least 15 credits in the Leadership Studies Minor.

**Credits:** 3 cr.

## **Liberal Studies**

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### **LS 4450 - LIBERAL STUDIES INTEGRATIVE INTERNSHIP**

This “capstone type” course, is a field-based experience, integrating a student’s General Education course work with course work in their minor or minors. It is intended for students who are not permitted an internship in their minor, but who would benefit from an opportunity to expand their university experience by participating in a supervised, pre-professional work placement.

**Prerequisites & Notes:** All course work completed in minor/s and within 18 credit hours of graduation. Departmental approval based on student readiness and appropriateness of proposed placement.

**Credits:** 6 cr.

## **Management**

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### **MGT 2230 - MANAGEMENT PRINCIPLES**

Explains the world of professional management, and has the basic management functions of planning, organizing, leading, and controlling. An emphasis on the contemporary challenges facing management: Quality, ethics, global issues and information technology.

**Credits:** 3 cr.

### **MGT 3325 - BUSINESS LEADERSHIP**

This course provides a broad overview of the new context of business leadership, with an emphasis on the theories and research findings that offer important insights and practical knowledge about effective leadership in formal business organizations. It offers a set of leadership practices based on the real world experiences of business managers who assumed the role of business leadership effectively.

**Prerequisites & Notes:** Prerequisite: Take BUS-2230 or MGT 2230.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MGT 3360 - INTERNATIONAL MANAGEMENT**

Presents in-depth description of the emerging field of international management. Comprehensive coverage of both the strategic and behavioral dimensions of international management. Exploring key cultural issues and problems in management across frontiers related to leadership, decision making, motivation and control. It deals with the unique managerial risks and challenges resulting from complicated economic, legal-political and sociocultural forces. Prerequisite: MGT 2230.

**Prerequisites & Notes:** Prerequisite: BUS 2230 or MGT 2230.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MGT 4451 - MANAGING THE ORGANIZATIONAL BEHAVIOR**

An examination of theories, concepts, and research findings emerging from the various disciplines which study individual and group behavior within organizational systems.

**Prerequisites & Notes:** Prerequisite: BUS 2230 or MGT 2230.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

## **Marketing**

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**MKT 3330 - MARKETING**

Introduces the nature of marketing activities, consumer behavior and motivation. Focuses on an individual firm managing its marketing efforts in relation to market forces and marketing opportunities. Emphasis on development of product, price, promotion, and distribution policies in order to achieve planned marketing programs.

**Prerequisites & Notes:** Minimum of 25 earned credits.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 3334 - MARKETING RESEARCH**

The theory and application of marketing researches a tool for the decision-making process. Special emphasis on problem definition, research design, sampling procedure, data collection, statistical analysis, interpretation of data and reporting of research findings.

**Prerequisites & Notes:** Prerequisite: BUS 3330 or MKT 3330 and MA 1125.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 3370 - SALESMANSHIP**

Provides students with entry level skills for a position in sales. Recognizes the necessary skills and characteristics that contribute toward greater sales effectiveness. Stresses the importance of establishing realistic goals and objectives; to manage your time and selling activities more effectively. The primary objective, however, is to gain an understanding of personal selling as a major function within the marketing and promotional mix of a firm.

**Credits:** 3 cr.

**MKT 4415 - MARKETING MANAGEMENT**

An in-depth examination of contemporary micro and macro marketing systems. Examines functional marketing decisions through the application of behavioral concepts, quantitative tools, and systems theory. Also presents advanced marketing techniques used by marketing organizations. Looks at individual behavior in order to evaluate the buying behavior of consumers with the objective of tailoring marketing strategies to meet consumers' needs and wants.

**Prerequisites & Notes:** Prerequisite: BUS 3330 or MKT 3330 and Junior Standing or Permission of Instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 4421 - MARKETING CHANNELS**

The course deals with the elements and management of marketing channels and distribution. It investigates behavior and functional relationships, with and between channel members, including wholesaling, retailing, and franchise systems. The course also examines to distribution policies, legal constraints, conflict issues, communications, power pricing, and performance evaluations of channel members.

**Prerequisites & Notes:** MKT 3330.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 4422 - INTERNATIONAL MARKETING**

Examines the application of marketing concepts and strategies in the global markets. Emphasis is on adjusting and adapting a marketing program to foreign markets. Provides an understanding of differences between markets in different countries, its politics, legal, culture, trade practices, geography, and commercial policies. Studies export and import procedures and practices.

**Prerequisites & Notes:** Prerequisites: BUS 3330 or MGT 3330 or Permission of Instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 4423 - BUSINESS-to-BUSINESS MARKETING**

In the business market, the customers are organizations (businesses, governments, and institutions) and these customers represent a huge market opportunity. This course will introduce students to business-to-business marketing by identifying the distinctive characteristics of the business market, exploring the way in which organizations make buying decisions, and isolating the requirements for marketing strategy success.

**Prerequisites & Notes:** MKT-3330.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements.

**MKT 4426 - E-MARKETING**

This course is a comprehensive examination of e-marketing. Covers the skills and knowledge to develop and implement e-marketing strategies for segmenting, targeting and positions. In addition, marketing mix functions and customer relationship management will be explored in an online environment.

**Prerequisites & Notes:** Prerequisite: A minimum of 45 earned credits.

**Credits:** 3 cr.

## Mathematics

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### **MA 0090 - BASIC ALGEBRA**

Introduction to basic algebra. Topics include real numbers, linear equations, formulas, exponents, polynomials, factoring, rational expressions and equations, graphing, systems of equations, radicals, word problems, and applications. DOES NOT COUNT TOWARD GENERAL EDUCATION OR TOTAL CREDITS NEEDED FOR GRADUATION.

**Credits:** 3 cr.

### **MA 1115 - SURVEY OF MATHEMATICAL IDEAS**

A liberal arts course designed to acquaint the student with the nature and scope of modern mathematics. Emphasis is on concepts and understanding rather than the acquisition of technique. Topics included are suitable for the non-science liberal arts student. No extensive background in algebra is required.

**Credits:** 3 cr.

### **MA 1117 - MATHEMATICS AND CULTURE**

An investigation of the origins, nature, and purposes of mathematics and its importance in the larger culture. Working within the historical framework, the student is introduced to significant mathematical concepts including the axiomatic method, symbolic logic, and the structure of number systems and their relations to one another. The motivation for, development of, and basic procedures of various branches of mathematics (including trigonometry, analytic geometry, calculus, probability and statistics, and Euclidean and non-Euclidean geometry) are investigated. In the process, students will frequently be involved in discussions of the closely related fields of history, science, and philosophy.

**Credits:** 3 cr.

### **MA 1119 - FUNDAMENTALS OF MATHEMATICAL REASONING**

This course will center on quantitative reasoning skills. Areas of focus include deductive and inductive reasoning, critical thinking, numerical and geometrical reasoning, developing number sense, decision making under uncertainty, and mathematical communication skills. These skills will be presented and developed within the context of classical and everyday mathematical applications.

**Credits:** 3 cr.

### **MA 1125 - INTRODUCTORY STATISTICS**

A survey of basic statistical methods for analyzing data. Topics include descriptive statistics, probability, sampling, point and interval estimation, hypothesis tests, linear regression, correlation, and non-parametric tests.

**Credits:** 3 cr.

### **MA 1126 - INFERENCE STATISTICS and PROBABILITY**

This is an introductory level statistics class with a primary focus on probability, inferential statistics, and regression analysis. Inferential statistics topics include confidence intervals and hypothesis tests for regression parameters, goodness of fit tests, ANOVA, and non-parametric tests.

**Credits:** 3 cr.

**MA 1128 - COLLEGE ALGEBRA**

Review of ideas in basic algebra, graphs, equations, inequalities, and a strong emphasis on functions (general, polynomial, rational, exponential and logarithmic).

**Credits:** 3 cr.

**MA 1129 - FINITE MATHEMATICS**

An initial treatment of those topics in basic mathematics that are of special importance in business and the social sciences. Topics included are logic, sets and counting techniques, probability, mathematical models, linear equations and inequalities, introduction of linear programming, and matrices, also Markov Chains and Game Theory.

**Credits:** 3 cr.

**MA 1165 - PRE-CALCULUS MATHEMATICS**

Intended to prepare students for the study of calculus. Topics include functions, graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions and analytic trigonometry.

**Prerequisites & Notes:** Prerequisite: MA 1128 or equivalent.

**Credits:** 3 cr.

**MA 1170 - FUNDAMENTAL CONCEPTS OF CALCULUS**

The fundamental concepts of calculus is for non-physical science majors utilizing the basic techniques of differential and integral calculus. Not available to students who have completed MA 2231.

**Prerequisites & Notes:** Prerequisite: MA 1128 or equivalent.

**Credits:** 3 cr.

**MA 2203 - MATH FOR ELEMENTARY & SPECIAL EDUCATION**

A study of the basic ideas and structure in modern arithmetic, algebra, and geometry.

**Credits:** 3 cr.

**MA 2231 - CALCULUS I**

The purpose of this course is to develop a good understanding of limit, continuity, the derivative and its uses (including modeling and solving problems), to introduce the definite integral, and to establish the important relationship between the derivative and the definite integral. In this context the course will examine different classes of functions numerically, symbolically, and graphically. This course is intended for mathematics, science, and engineering majors. (Addresses NCTM Standards 1.5.8 and 1.5.10 for Mathematics Education majors.)

**Prerequisites & Notes:** Prerequisite: High school algebra and trigonometry or MA 1165.

**Credits:** 4 cr.

**MA 2232 - CALCULUS II**

This is a continuation of MA 2231 and is intended to develop a good understanding of the definite integral and its uses including calculating area and applying numerical computation and estimation techniques, and to develop basic integration techniques. Differential equations, Taylor polynomials, series, exponential functions, logarithmic functions, and polar coordinates, and analytic geometry are also covered. (Addresses NCTM Standards 1.5.2, 1.5.3, 1.5.8, and 1.5.10 for Mathematics Education majors.)

**Prerequisites & Notes:** Prerequisite: MA 2231 or equivalent.

**Credits:** 4 cr.

**MA 2233 - CALCULUS III**

This is a continuation of MA 2232, and the purpose of this course is to investigate functions of two or more variables. Topics include graphing functions of two or more variables, partial derivatives, vectors, optimization, double and triple integrals, line and surface integrals, and calculating volumes. (Addresses NCTM Standards 1.5.3 and 1.5.10 for Mathematics Education majors.)

**Prerequisites & Notes:** Prerequisite: MA 2232 or equivalent.

**Credits:** 4 cr.

**MA 3260 - DISCRETE STRUCTURES**

Foundations of mathematics emphasizing fundamental concepts in abstract mathematics and deductive reasoning. Topics include logic, mathematical induction, graph theory, recurrence relations, difference equations, Boolean algebra, sets, functions, relations, cardinality, number systems, and algorithms. (Addresses NCTM Standard 1.5.11 for Mathematics Education majors.)

**Credits:** 3 cr.

**MA 3280 - LINEAR ALGEBRA AND MATRIX THEORY**

A study of the geometry of vectors, matrix algebra and operations, solutions of general systems of linear equations, inversion of matrices, determinants, vectors and vector spaces, subspaces, linear independence, bases and dimension, linear transformations, eigenvalues and eigenvectors, and applications. (Addresses NCTM Standards 1.5.11 and 1.5.1 3 for Mathematics Education majors.)

**Prerequisites & Notes:** Prerequisite: MA 2232.

**Credits:** 3 cr.

**MA 3301 - SURVEY OF MATHEMATICAL MODELS**

A survey of different math models, some deterministic and some stochastic, requiring no calculus background, designed to show non-trivial applications. Computer use is emphasized.

**Prerequisites & Notes:** Prerequisite: MA 1125 or 1129.

**Credits:** 3 cr.

**MA 3305 - HISTORY OF MATHEMATICS FROM COUNTING TO CALCULUS**

An in-depth study of the chronological development of facets of mathematics up to the development of Calculus. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered. Co-requisite: MA 3260.

**Credits:** 3 cr. General Education Requirement: Satisfy Global Awareness Requirement. Satisfy Information Literacy Requirement.

**MA 3306 - HISTORY OF MATHEMATICS FROM CALCULUS TO COMPUTERS**

An in-depth study of the chronological development of facets of mathematics beginning with the development of Calculus and continuing to the present day. The historical background of each facet is integrated with experience in mathematical study and application. Emphasis is placed on great mathematicians, their contributions, and their

methods of reasoning, including the contributions of underrepresented groups and diverse cultures. Concepts of number, number systems, and the nature of axiomatic reasoning are also covered. Co-requisite: MA 3260.

**Credits:** 3 cr. General Education Requirement: Satisfy Global Awareness Requirement. Satisfy Information Literacy Requirement.

### **MA 3308 - OPERATIONS RESEARCH**

Examines the development and use of the techniques of research. Topics include linear programming, queuing theory, probabilistic inventory models, and simulation.

**Prerequisites & Notes:** Prerequisite: MA 1125, 2232, 3260, 3280, or 3314.

**Credits:** 3 cr.

### **MA 3310 - NUMERICAL ANALYSIS**

A study of numerical methods for the solution of algebraic, transcendental, and differential equations, numerical integration and differentiation, and error analysis.

**Prerequisites & Notes:** Prerequisite: MA 2232.

**Credits:** 3 cr. General Education Requirement: May also satisfy General Education requirements.

### **MA 3311 - DIFFERENTIAL EQUATIONS I**

Techniques for solving ordinary differential equations, superposition principle, existence and uniqueness theorem, applications.

**Prerequisites & Notes:** Prerequisite: MA 2232 (may be taken concurrently).

**Credits:** 3 cr.

### **MA 3312 - DIFFERENTIAL EQUATIONS II**

Additional work in partial differential equations and boundary value problems, numerical methods, qualitative treatment of differential equation in phase plane, stability issues.

**Prerequisites & Notes:** Prerequisite: MA 3311 and MA 2233 (may be taken concurrently).

**Credits:** 3 cr.

### **MA 3314 - APPLIED PROBABILITY AND STATISTICS**

An introduction to applications of descriptive, inferential statistics, and probability.

Descriptive statistics including frequency distributions, measures of location and variation; axioms of probability, probability (both theoretical and simulated), permutations, combinations, random variables, expected value, and decision making; probability distributions (both discrete and continuous), distribution functions, sampling and sampling distributions; statistical inferences concerning means, standard deviations, and proportions; analysis of variance, non-parametric methods, regression, correlation, planning surveys and experiments. (Addresses NCTM Standards 1 .5.6, 1 .5.7, and 1 .5.11 for Mathematics Education majors.)

**Prerequisites & Notes:** Prerequisite: MA 11 70 or 2232.

**Credits:** 3 cr.

### **MA 3315 - APPLIED REGRESSION ANALYSIS**

Simple and multiple regression will be used to analyze data. Residual analysis, indicator variables, and step-wise and polynomial regression. Computer software will be used to analyze data.

**Prerequisites & Notes:** Prerequisite: MA 1125 or 3314.

**Credits:** 3 cr.

**MA 3324 - APPLIED MATHEMATICS**

Illustrates the principles and basic styles of thought in solving physical problems by mathematical methods. Particle dynamics, heat and fluid flow, wave equations, vector, Fourier and tensor analysis.

**Prerequisites & Notes:** Prerequisites: MA 2232 and MA 3280.

**Credits:** 3 cr.

**MA 3326 - ANALYSIS OF VARIANCE AND DESIGN OF EXPERIMENTS**

One-way and two-way analysis of variance will be studied in depth. The design part of the course will include randomized block designs, nested designs, repeated measure designs, and factorial designs. Computer software will be used to analyze data.

**Prerequisites & Notes:** Prerequisites: MA 1126, MA 3314 and MA 3315.

**Credits:** 3 cr.

**MA 3327 - STATISTICAL PROCESS QUALITY CONTROL**

The course will incorporate a variety of data analysis techniques particularly useful in understanding principles and practices of statistical process quality control. Case studies will exemplify process situations for analysis. Topics include data organization and presentation, statistical concepts relating to processes, analysis of measurement and attribute data, measures of chart performance, tolerances, specifications, process capability studies, and short-run control charts.

**Prerequisites & Notes:** Prerequisites: MA 1126, MA 3314, MA 3315 and MA 3326.

**Credits:** 3 cr.

**MA 3329 - UNIFORM GEOMETRIES**

A study of the traditional modern geometries. Topics include: Euclid's postulate system with special focus on his Fifth Postulate, Hilbert's axiom system, the hyperbolic axiom system, spherical geometry, the Gauss-Bonnet theorem for triangles, and Klein's transformational geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other.

**Prerequisites & Notes:** Prerequisite: MA 3260 - Discrete Structures or permission of instructor.

**Credits:** 3 cr.

**MA 3330 - NON-UNIFORM GEOMETRIES**

A study of the modern geometries leading up to the geometry of manifolds. Topics include: Euclid's "algebraic" propositions., Descartes' analytic geometry, the analytic approach to Euclidean geometry, Euclid's and Hilbert's axioms as theorems in analytic geometry, Euclid's Fifth Postulate and the birth of non-Euclidean geometry, Descartes' lost manuscript and the angle deficit, angle deficit and curvature, the polyhedral Gauss-Bonnet theorem, paper models of curved surfaces, and an introduction to Gaussian curvature and Riemannian geometry. MA 3329 and MA 3330 may both be taken for credit, and either course can be taken before the other.

**Prerequisites & Notes:** Prerequisite: MA 3260 - Discrete Structures or permission of instructor.

**Credits:** 3 cr.



**MA 3332 - APPLIED COMBINATORICS**

Applied discrete mathematics emphasizing combinatorics and graph theory. Topics will be chosen from counting methods, generating functions, recurrence relations, inclusion-exclusion, the polya enumeration formula, graph theory, covering circuits, trees, and searching and network algorithms.

**Prerequisites & Notes:** Prerequisite: MA 2231.

**Credits:** 3 cr.

**MA 3335 - NUMBER THEORY**

An analytical study of basic concepts including divisibility, congruence, quadratic reciprocity and Diophantine equations. Varied methods are stressed.

**Prerequisites & Notes:** Prerequisites: MA 2232 and MA 3260.

**Credits:** 3 cr.

**MA 3345 - REAL ANALYSIS I**

The real number system. Emphasis on the concepts and theoretical approach to calculus: functions, sequences, series, limits, continuity, derivatives, the Riemann integrals, and sequences of functions.

**Prerequisites & Notes:** Prerequisites: MA 2233 and MA 3260.

**Credits:** 3 cr.

**MA 3346 - REAL ANALYSIS II**

A continuation of 3345.

**Prerequisites & Notes:** Prerequisite : MA 3345

**Credits:** 3 cr.

**MA 3348 - COMPLEX VARIABLES**

A first course in complex variables. Complex numbers, analytic functions, elementary functions, mappings by elementary functions, integrals, power series, residues, poles, and conformal mappings.

**Prerequisites & Notes:** Prerequisite: MA 2233.

**Credits:** 3 cr.

**MA 3361 - MODERN ALGEBRA - GROUPS**

A study of abstract algebraic structures focusing on groups. Topics include: dihedral groups, cyclic groups, permutation groups, subgroups, cosets, quotient groups, homomorphisms, isomorphisms, cardinality, generators and relations, Lagrange's theorem, Cayley's theorem, the fundamental homomorphism theorem, the fundamental theorem for abelian groups, and applications of groups. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other.

**Prerequisites & Notes:** Prerequisites: MA 3260 — Discrete Structures or permission of instructor.

**Credits:** 3 cr.

**MA 3362 - MODERN ALGEBRA - RINGS**

A study of abstract algebraic structures focusing on rings. Topics include: rings, integral domains, fields, subrings, ideals, quotient rings, fields of quotients, the division algorithm, factorization of polynomials (reducibility and unique factorization), field

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extensions, and applications of rings/fields. MA 3361 and MA 3362 may both be taken for credit, and either course can be taken before the other.

**Prerequisites & Notes:** Prerequisites: MA 3260 - Discrete Structures or permission of instructor.

**Credits:** 3 cr.

### **MA 3371 - MATHEMATICAL STATISTICS I**

Distributions of discrete and continuous random variables, expected values and moments, conditional probability and independence, special discrete and continuous distributions.

**Prerequisites & Notes:** Prerequisite: MA 2233.

**Credits:** 3 cr.

### **MA 3372 - MATHEMATICAL STATISTICS II**

Interval estimation, order statistics, point estimation, tests of hypotheses.

**Prerequisites & Notes:** Prerequisite: MA 3371.

**Credits:** 3 cr.

### **MA 3381 - TOPOLOGY**

Introduction to point-set topology. Set theory, metric spaces, topological spaces, connectedness, and compactness.

**Prerequisites & Notes:** Prerequisites: MA 2232 and MA 3260.

**Credits:** 3 cr.

### **MA 4401 - SELECTED TOPICS**

Selections from topology, algebra, real analysis, matrix theory, computer science or other junior or senior level topics. Active participation by the student is required.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 1 - 3 cr.

### **MA 4402 - SEMINAR**

Papers from the American Mathematical Monthly, comparable journals, and various references will be presented and discussed by the students. Continuous reading and participation will be required.

**Prerequisites & Notes:** Prerequisite: Permission of instructor.

**Credits:** 1 - 3 cr. Notes: May be taken for a total of six credits.

### **MA 4450 - INTERNSHIP**

Supervised and evaluated participation in the regular activities of a business, government, agency, or appropriate organization. In consultation with the supervising faculty member, the student is expected to prepare a comprehensive final report relating to the work accomplished during the internship.

**Prerequisites & Notes:** Prerequisite: Recommendation by department faculty.

**Credits:** 3 - 12 cr. Notes: May be taken for three through twelve credits. No more than six credits count toward the major.

**MA 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1- 3 credits at one time.

## **Music - Applied**

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**MAP 1101 - VOICE CLASS I**

Develops proper vocal production, poise, and confidence in solo singing. Remedial work for individual problems.

**Credits:** 1 cr.

**MAP 1102 - VOICE CLASS II**

Continuation of MAP 1101.

**Prerequisites & Notes:** Prerequisite: MAP 1101.

**Credits:** 1 cr.

**MAP 1103 - ADVANCED VOICE CLASS**

Instruction in voice will be given on a level beyond MAP 1101 and 1102. Goals of the course: to improve technique, quality, and artistry of individual voices; and to focus class attention on common vocal problems and their remediation.

**Credits:** 1 cr.

**MAP 1112 - BEGINNING PIANO CLASS**

Remedial piano study for those with no prior piano experience.

**Credits:** 1 cr.

**MAP 1113 - CLASS PIANO I**

For the student with limited piano skill.

**Prerequisites & Notes:** Prerequisite: ability to perform with reasonable fluency at least five pieces from the last pages of any standard first grade instruction book (such as Thompson, Schaum, Fletcher, Kasschau, et al.), and to play at sight pieces from the first half of a similar book.

**Credits:** 1 cr.

**MAP 1114 - CLASS PIANO II**

Designed for the music major who might reach the level of skill required by the first proficiency examination.

**Credits:** 1 cr. Notes: May be taken for a total of three credits.

**MAP 1115 - ADVANCED PIANO CLASS**

Designed for the music education vocal concentration major. Development of advancing piano skills to reach the level of the second Proficiency.

**Prerequisites & Notes:** Prerequisite: Passing of the First Proficiency Examination or audition.

**Credits:** 1 cr.

**MAP 1131 - WOODWIND CLASS I**

Studies the fundamental principles and techniques necessary for playing and teaching the flute and clarinet; study of the literature appropriate for beginning class instruction.

**Credits:** 1 cr.

**MAP 1132 - WOODWIND CLASS II**

Studies the fundamental principles and techniques necessary for playing and teaching the saxophone, oboe, and bassoon; study of the literature appropriate for beginning class instruction.

**Credits:** 1 cr.

**MAP 1133 - ADVANCED WOODWIND CLASS**

Instruction in woodwind instruments on a level beyond that of the beginning courses. Introduces more scales, more advanced work with embouchure, tone, tonguing. Suitable literature for the various instruments.

**Credits:** 1 cr.

**MAP 1141 - BRASS CLASS I**

Studies the fundamental principles and techniques necessary for playing and teaching the trumpet and horn; study of the literature appropriate for beginning class instruction.

**Credits:** 1 cr.

**MAP 1142 - BRASS CLASS II**

Studies the fundamental principles and techniques necessary for playing and teaching the trombone, euphonium, and tuba; study of the literature appropriate for beginning class instruction.

**Credits:** 1 cr.

**MAP 1143 - ADVANCED BRASS CLASS**

Instruction in brass instruments on a level beyond that of the beginning courses. Scales in various articulations and ranges, more advanced technical work and styles, suitable literature for the various instruments.

**Credits:** 1 cr.

**MAP 1151 - STRING CLASS I**

Acquaints the non-string player with the basic elements of string instrument playing. Instruction in violin and viola, fundamentals of correct playing, and familiarity with problems of class instruction in typical elementary school string classes.

**Credits:** 1 cr.

**MAP 1152 - STRING CLASS II**

Continuation of 11 51. Students specialize on cello, or bass. Presents keys up to four sharps and two flats with corresponding fingering problems. Introduces bass players to various positions, and cello players to extended second finger pattern. Introduces various staccato bowing patterns. Principles of vibrato presented.

**Credits:** 1 cr.

**MAP 1153 - ADVANCED STRING CLASS**

Instruction in stringed instruments on a level beyond that of the beginning courses. Introduces scales in various positions, more advanced work with the various staccato and spiccato bowings. Suitable literature for the various instruments.

**Credits:** 1 cr.

**MAP 1157 - GUITAR CLASS I**

Beginning study of the guitar. Functional use of the guitar in the music classroom. Accompanying singing.

**Credits:** 1 cr.

**MAP 1158 - GUITAR CLASS II**

Continuation of 11 57. More advanced work in techniques and corresponding literature.

**Credits:** 1 cr.

**MAP 1161 - PERCUSSION CLASS**

Studies the characteristics for the various percussion instruments; performance techniques: development of performing ability necessary to teach the percussion instruments at the elementary and secondary level of instruction.

**Credits:** 1 cr.

**MAP 1163 - ADVANCED PERCUSSION CLASS**

Instruction in percussion instruments on a level beyond that of the beginning course. Introduces more advanced work with the various percussion instruments. Suitable literature for various instruments.

**Credits:** 1 cr.

**MAP 2200 - VOICE SECONDARY**

Voice secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2210 - PIANO SECONDARY**

Piano secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2220 - ORGAN SECONDARY**

Organ secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2225 - HARPSICHORD SECONDARY**

Harpichord secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2230 - FLUTE SECONDARY**

Flute secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2231 - OBOE SECONDARY**

Oboe secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2232 - CLARINET SECONDARY**

Clarinet secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2233 - BASSOON SECONDARY**

Bassoon secondary - one-half hour lesson.

**Credits:** 1 cr.

**MAP 2234 - SAXOPHONE SECONDARY**

Saxophone secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2240 - TRUMPET SECONDARY**

Trumpet secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2241 - HORN SECONDARY**

Horn secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2242 - TROMBONE SECONDARY**

Trombone secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2243 - EUPHONIUM SECONDARY**

Euphonium secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2244 - TUBA SECONDARY**

Tuba secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2250 - VIOLIN SECONDARY**

Violin secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2251 - VIOLA SECONDARY**

Viola secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2252 - CELLO SECONDARY**

Cello secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2253 - BASS SECONDARY**

Bass secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2254 - HARP SECONDARY**

Harp secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2257 - GUITAR SECONDARY**

Guitar secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 2260 - PERCUSSION SECONDARY**

Percussion secondary - one-half hour lesson

**Credits:** 1 cr.

**MAP 3270 - APPLIED MUSIC COMPOSITION**

The study and application of composition techniques within the context of an individualized private lesson. New compositions will be developed and produced for public performance. Expertise in the composition of serious art music may be used in career musical capacities and in a graduate school of music.

**Prerequisites & Notes:** Prerequisite: Successful completion of Basic Music HV theory sequence and/or at the discretion of the instructor.

**Credits:** 2 cr. Notes: May be repeated for a total of seven credits over multiple semesters.

**MAP 3300 - VOICE**

Voice - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

**MAP 3310 - PIANO**

Piano - One-half hour of lesson and fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

**MAP 3320 - ORGAN**

Organ - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

**MAP 3325 - HARPSICHORD**

Harpichord - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

**MAP 3330 - FLUTE**

Flute - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

**MAP 3331 - OBOE**

Oboe - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

**MAP 3332 - CLARINET**

Clarinet - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

**MAP 3333 - BASSOON**

Bassoon - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

**MAP 3334 - SAXOPHONE**

Saxophone - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

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### **MAP 3340 - TRUMPET**

Trumpet - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3341 - HORN**

Horn - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

### **MAP 3342 - TROMBONE**

Trombone - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3343 - EUPHONIUM**

Euphonium - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

### **MAP 3344 - TUBA**

Tuba - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3350 - VIOLIN**

Violin - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3351 - VIOLA**

Viola - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

### **MAP 3352 - CELLO**

Cello - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3353 - BASS**

Bass - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3357 - GUITAR**

Guitar - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1 - 2 cr.

### **MAP 3360 - PERCUSSION**

Percussion - One-half hour lesson and one fifty-minute group studio class per week.

**Credits:** 1- 2 cr.

### **MAP 4400 - VOICE**

Voice - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

### **MAP 4410 - PIANO**

Piano- One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.



**MAP 4420 - ORGAN**

Organ - 1 hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4425 - HARPSICHORD**

Harpichord - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4430 - FLUTE**

Flute - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4431 - OBOE**

Oboe - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4432 - CLARINET**

Clarinet - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4433 - BASSOON**

Bassoon - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4434 - SAXOPHONE**

Saxophone - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4440 - TRUMPET**

Trumpet - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4441 - HORN**

Horn - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4442 - TROMBONE**

Trombone - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4443 - EUPHONIUM**

Euphonium - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4444 - TUBA**

Tuba - One-hour lesson and one fifty-minute group studio classes per week.

**Credits:** 3 - 4 cr.

**MAP 4450 - VIOLIN**

Violin - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4451 - VIOLA**

Viola - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4452 - CELLO**

Cello - One-hour lesson and one fifty-minute group studio class per week

**Credits:** 3 - 4 cr.

**MAP 4453 - BASS**

Bass - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4457 - GUITAR**

Guitar - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4460 - PERCUSSION**

Percussion - One-hour lesson and one fifty-minute group studio class per week.

**Credits:** 3 - 4 cr.

**MAP 4470 - RECITAL**

A formal public recital given in the major performing medium represents the culmination of study in the applied area.

**Credits:** 2 - 4 cr.

## **Music - Ensemble**

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**MEN 0000 - RECITAL ATTENDANCE**

Recital attendance is designed to 1) place students in formal concerts for their peers on Thursdays, 2) have students hear professional performances during the semester, and 3) meet as a studio master class on Tuesdays.

**Credits:** 0 cr.

**MEN 3300 - CONCERT CHOIR**

A highly select choir of forty-eight voices. Presents a concert each semester and joins with other choruses for choral festivals. Performs choral literature spanning five centuries and in a variety of languages. The choir is a touring ensemble. Audition required.

**Credits:** 1 cr.

**MEN 3301 - FESTIVAL CHORUS**

A large mixed chorus providing opportunity to experience great choral literature. Students present a concert each semester and join other choruses for choral festivals.

**Credits:** 1 cr.

**MEN 3302 - OPERA WORKSHOP**

The study and performance of operatic and musical comedy scenes chosen according to the abilities of the students in the workshop. Full-scale musical comedy productions are done in conjunction with the department of speech, communications and theater.

Under supervision, students perform in, musically direct, coach, accompany, conduct, and stage-direct various scenes.

**Credits:** 1 cr.

### **MEN 3303 - MANSFIELDIANS**

A vocal jazz/madrigal ensemble which specializes in singing jazz, madrigal, and folk music. This group is available for performance in public schools, service agencies, and alumni functions. Audition required.

**Credits:** 1 cr.

### **MEN 3304 - CHAMBER SINGERS**

A vocal chamber ensemble of twelve to sixteen singers. Specializes in repertoire of the 16th century Madrigal, 19th & 20th century part-song, and vocal jazz. Concerts given at the university and off campus by request. Audition required.

**Credits:** 1 cr.

### **MEN 3305 - VOCAL ENSEMBLE**

Studies and performs representative works for various vocal combinations.

**Credits:** 1 cr.

### **MEN 3310 - PIANO ENSEMBLE**

Studies and performs two-piano and four-hand literature, chamber music, sonatas, and trios, including accompaniment of standard instrumental and vocal literature.

**Credits:** 1 cr.

### **MEN 3330 - CONCERT WIND ENSEMBLE**

A select ensemble of wind and percussion players. Concerts given on and off campus. Membership is open to all university students by audition.

**Credits:** 1 cr.

### **MEN 3331 - MOUNTIE MARCHING BAND**

Performs at all home games, travels for recruitment and promotion of MU and hosts the Mansfield University band day, as well as special functions, and international events.

**Credits:** 1 cr.

### **MEN 3332 - SYMPHONIC BAND**

Studies a wide variety of band literature and presents concerts on campus. Membership is open to all university students. Auditions are for seating purposes only.

**Credits:** 1 cr.

### **MEN 3333 - WOODWIND ENSEMBLE**

Study and performance of representative works for various woodwind ensembles. One woodwind quintet and one sax quintet take an annual tour.

**Credits:** 1 cr.

### **MEN 3334 - BRASS ENSEMBLE**

Study and performance of representative works for various combinations of brass instruments.

**Credits:** 1 cr.

**MEN 3335 - CONCERT JAZZ BAND**

Performs on-campus several times each year, as well as, touring and performing concerts off-campus. Membership by audition.

**Credits:** 1 cr.

**MEN 3336 - SMALL JAZZ AND COMMERCIAL ENSEMBLES**

Provides the opportunity for students to gain supervised experience in performing jazz and other current professional music idioms in small groups.

**Credits:** 1 cr. Dual Listed/Cross Listed: Dual listed with 5536.

**MEN 3350 - ORCHESTRA**

The College-Community Symphony provides an opportunity to participate in the performance of standard symphonic literature. Our orchestra presents a concert each semester, accompanies outstanding student soloists, participates in the biennial choral festival, and is a touring ensemble.

**Credits:** 1 cr.

**MEN 3351 - STRING ENSEMBLE**

Study and performance of standard literature for string ensembles.

**Credits:** 1 cr.

**MEN 3357 - GUITAR ENSEMBLE**

Introduction to the technique and repertoire of guitar ensemble music and ensemble performance skills.

**Credits:** 1 cr.

**MEN 3360 - PERCUSSION ENSEMBLE**

Study and performance of representative works for all combinations of percussion instruments.

**Credits:** 1 cr.

## Music

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**MU 1101 - INTRODUCTION TO MUSIC**

Studies principal vocal and instrumental forms and media. Surveys important compositions from the early Baroque to the present.

**Credits:** 3 cr.

**MU 1102 - FUNDAMENTALS OF MUSIC**

The fundamentals of music theory (melody, rhythm, harmony, form, and timbre) are introduced in a "hands-on" practical manner. Activities include analysis of music examples, composition, guided listening, performing, and keyboard theory lab. Music fundamentals will be approached from the standpoints of the listener, the performer, and the composer.

**Credits:** 3 cr.

**MU 1103 - INTRODUCTION TO MUSIC FUNDAMENTALS**

An overview of music theory fundamentals, including notes, key signatures, scales, intervals, triads, Mm seventh chords, and rhythm.

**Credits:** 1 cr.

**MU 1141 - INTRODUCTION TO MUSIC EDUCATION**

Provides an overview of music education and an acquaintance with the process of teaching and learning music in the elementary and secondary schools.

**Credits:** 1 cr.

**MU 1151 - EURYTHMICS I**

Laboratory experience in rhythmic movement to develop skill and greater perception of common rhythms. The Jacques Dalcroze philosophy is followed.

**Credits:** 1 cr.

**MU 2201 - INTRODUCTION TO JAZZ**

Studies the evolutionary history of jazz from the earliest African and European influences to the present. Emphasizes listening experiences and develops an awareness of the unique role of jazz in American culture.

**Credits:** 3 cr.

**MU 2205 - WOMEN IN MUSIC**

The study of women composers and performers through reading and recordings, including western and non-western music traditions.

**Credits:** 3 cr.

**MU 2211 - BASIC MUSIC I**

Development of vocabulary; study of modes, scales, harmonic rhythmic, and composition techniques. Supportive examples selected from all periods of music. Sight singing and dictation. May be repeated for a total of six credits.

**Credits:** 3 cr.

**MU 2212 - BASIC MUSIC II**

Continuation of MU 2211. The study of diatonic harmony with emphasis on the phrase model. Emphasis on cadences, choral harmonization, figured bass, sequences, and analysis approached through written material, sight singing, and dictation.

**Prerequisites & Notes:** Prerequisite: grade of C or better in MU 2211.

**Credits:** 3 cr.

**MU 2220 - WESTERN MUSIC UNTIL 1750**

Surveys Western European musical literature and styles beginning with the early Christian era through the Renaissance and Baroque.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**MU 2241 - MUSIC IN THE ELEMENTARY SCHOOL**

Studies the developmental and musical characteristics of children ages 5-11. Emphasizes teaching the elements of music through musical activities appropriate for this age group. Includes a survey of current materials as well as observation/participation in the local elementary school. Particular attention is given to curricular development for vocal and general music classes.

**Prerequisites & Notes:** Prerequisite: MU 1141, 2212 and fifteen hours of pre-professional experience.

**Credits:** 2 cr.

**MU 2250 - BASIC CONDUCTING**

Lecture and laboratory experiences with basic conducting techniques. Special emphasis on speaking and moving to rhythms. Students conduct class as a music ensemble.

**Credits:** 1 cr.

**MU 3221 - CLASSIC AND ROMANTIC MUSIC**

Surveys Western European musical literature and musical styles of the Classic and Romantic Eras.

**Prerequisites & Notes:** Prerequisite: MU 2220.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**MU 3222 - POST ROMANTIC AND 20TH CENTURY MUSIC**

Surveys Western European and American musical literature and musical styles beginning with the Post-Romantic Era through main currents of 20th-century composition.

**Prerequisites & Notes:** Prerequisite: MU 3221 or permission of instructor.

**Credits:** 3 cr. Notes: May be taken for 2 or 3 credits only. General Education Requirement: May satisfy General Education requirements

**MU 3261 - FUNDAMENTALS OF JAZZ IMPROVISATION I**

Beginning course in jazz improvisation. Study of fundamental chord types and appropriate scales/modes. Concentration will be on the blues form and diatonic harmony in major keys. Focus in on generating melodic lines in the jazz idiom based on goal notes, i.e. chord tones.

**Credits:** 2 cr.

**MU 3262 - FUNDAMENTALS OF JAZZ IMPROVISATION II**

Continuation of 3261. Study of more complex chord extensions and/or alterations and appropriate scales/modes. Concentration will be on the II-V-I progression in both major and minor keys. Focus will again be on generating melodic lines in the jazz idiom based on goal notes, i.e. chord tones.

**Credits:** 2 cr.

**MU 3301 - WORLD MUSICS**

Music of various continents are explored with particular emphasis on each tradition's cultural function. Provides the fundamental research and comparative skills needed to understand and listen to selected non-western music. Includes discussions of how Western art and popular music incorporate these styles.

**Credits:** 3 cr.

**MU 3311 - BASIC MUSIC III**

Continuation of MU 221 2. The study of modulation and chromatic harmony approached through written material, sight singing, and dictation.

**Prerequisites & Notes:** Prerequisite: MU 2211 and grade of C or better in MU 2212.

**Credits:** 3 cr.

**MU 3312 - BASIC MUSIC IV**

Continuation of MU 3311 . An introduction to the study of musical form and structure including variations, rondo, and sonata form. Examination of late nineteenth-and twentieth-century harmonic practice through written work, sight singing, and dictation.

**Prerequisites & Notes:** Prerequisite: MU 2211 and grade of C or better in MU 3311.

**Credits:** 3 cr.

**MU 3313 - ELECTRONIC MUSIC I**

Survey of electroacoustic music technology with emphasis on MIDI applications. Provides hands-on experience with computer-based sequencing and music notation.

**Prerequisites & Notes:** Prerequisite: MU 2212.

**Credits:** 2 cr.

**MU 3314 - COMPUTER-BASED MUSIC NOTATION**

This course provides hands-on instruction in computer-based music notation. Software such as Finale, Sibelius, Band-in-a-Box, Overture and Administrative applications are explored.

**Credits:** 1 cr.

**MU 3315 - ORCHESTRATION**

Designed to provide the basic skills of notation, parts extraction, transposing and arranging, in addition to information on instrumental ranges, qualities, and usages. Strings, woodwinds, and brass are treated as distinct families. Provides a fluent understanding of skills and concepts and, as a by-product, the student will become more aware of score reading and audio awareness. Good manuscript habits will make it possible for musicians to read new music and students will be able to use these skills in graduate school.

**Prerequisites & Notes:** Prerequisite: MU 33 1 2 or permission of instructor.

**Credits:** 3 cr.

**MU 3318 - KEYBOARD SKILLS**

More complex accompanimental styles, secondary dominant chords, improvisation, transposition, "playing by ear," modulatory techniques, sight reading from junior high music series, sight reading melodies and supplying accompaniment.

**Credits:** 1 cr.

**MU 3323 - STUDIES IN KEYBOARD LITERATURE**

Study of keyboard literature from the late Renaissance to the present day.

**Credits:** 3 cr.

**MU 3340 - TEACHING MUSIC**

Designed to enable elementary education majors to integrate the teaching of music into the mainstream of the elementary school curriculum. Fundamentals of music, musical characteristics of children, concept development, and musical activities appropriate for the age group will be stressed. Includes observation/participation in the local elementary school.

**Credits:** 3 cr.

**MU 3342 - MUSIC IN THE SECONDARY SCHOOL**

Studies the developmental and musical characteristics of students ages 12-18. Emphasizes teaching the elements of music through musical experiences appropriate for this age group. Includes a survey of current materials as well as observation/participation in the local secondary school. Particular attention is given to classroom management, students with exceptionalities of all ages, curriculum development in general music classes, elective classes, and an overall philosophy of music education.

**Prerequisites & Notes:** Prerequisite: MU 3341 and fifteen hours of pre-professional experience.

**Credits:** 2 cr.

**MU 3343 - INSTRUMENTAL MUSIC IN PUBLIC SCHOOLS**

Study of a suitable instrumental program for a public school system. Particular attention to class teaching techniques of the various instruments. Problems of organization and administration of such a program; survey and examination of the available instructional material.

**Prerequisites & Notes:** Prerequisite: MU 3342, 3351.

**Credits:** 2 cr.

**MU 3344 - VOCAL-CHORAL MUSIC IN THE PUBLIC SCHOOLS**

Study of a suitable choral program for a public school system. The course emphasizes the teaching of voice and ensemble singing through the developmental stages of young singers. Students observe and participate in vocal/choral music-making with elementary, middle, and high school choirs.

**Prerequisites & Notes:** Prerequisite: MU 3342, 3350.

**Credits:** 2 cr.

**MU 3350 - CHORAL CONDUCTING**

Prepares the future music educator to organize, teach, and conduct choral organizations of varying levels of achievement, particularly junior and senior high school age groups. Experience in conducting the class as a chorus is integral to the course.

**Prerequisites & Notes:** Prerequisite: MU 2212, 2250, MAP 1114.

**Credits:** 2 cr.

**MU 3351 - INSTRUMENTAL CONDUCTING**

Prepares for conducting instrumental groups. Emphasis on communicative and control techniques of conducting and rehearsal and performance techniques. Experience through conducting a laboratory band and orchestra. Videotaping is utilized extensively with each individual.

**Prerequisites & Notes:** Prerequisite: MU 2212, 2250.

**Credits:** 2 cr.

**MU 3352 - DICTION I FOR SINGERS**

This course will use the International Phonetic Alphabet (IPA) to present a systematic approach to the pronunciation of vocal literature in Italian, Latin, and German, examining those elements of pronunciation which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing.

**Credits:** 2 cr.

**MU 3353 - DICTION II FOR SINGERS**

This course will use the International Phonetic Alphabet to present a systematic approach to the pronunciation of vocal literature in English and French, examining those elements of pronunciation, which must be modified from the spoken language into the singing language. The course will require solo and group preparation of songs in each language, including precise translations for foreign language literature and will provide for class criticism and discussion of performance in an effort to develop critical hearing.

**Credits:** 2 cr.



**MU 3361 - JAZZ ARRANGING I**

A course in the study of the fundamentals of jazz arranging. Includes standard formats and part notation; appropriate ranges and transpositions of common jazz instruments and arranging for combos up to four horns and rhythm section.

**Credits:** 2 cr.

**MU 3362 - JAZZ ARRANGING II**

A more advanced course in the styles and techniques of arranging for modern jazz ensembles of all sizes.

**Credits:** 2 cr.

**MU 3363 - JAZZ ENSEMBLE MATERIALS AND TECHNIQUES**

Acquaints prospective directors of secondary school performing jazz ensembles with materials and techniques appropriate to the idiom. Highly useful to students interested in amateur or professional jazz ensemble performance outside of educational institutions.

**Credits:** 2 cr. Dual Listed/Cross Listed: Dual listed with 5563.

**MU 4400 - STUDENT TEACHING**

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience in university established centers under supervision of qualified cooperating teachers. Observations and conferences are scheduled by the departmental supervisor.

**Prerequisites & Notes:** Prerequisite: 2.5 OPA.

**Credits:** 12 cr.

**MU 4410 - FORMS AND ANALYSIS**

Various methods of musical analysis are studied and applied to compositions representative of various periods of music history.

**Prerequisites & Notes:** Prerequisite: MU 3312.

**Credits:** 3 cr.

**MU 4411 - COUNTERPOINT**

Studies the contrapuntal style of the late 17th and early 18th centuries.

**Prerequisites & Notes:** Prerequisite: MU 3312.

**Credits:** 3 cr.

**MU 4413 - STUDIO PRODUCTION TECHNIQUES**

An introduction to recording studio hardware and software, including interface modules, processors, sound modules (samplers and synthesizers), studio wiring and networks, MIDI control, mixing consoles, and studio etiquette.

**Prerequisites & Notes:** Prerequisite: MU 3313. Co-requisite: COM 3270

**Credits:** 3 cr.

**MU 4414 - RECORDING ARTS**

Seminar in digital audio workstation (DAW) recording: emphasis will be placed on sound recording, editing, and mixing processes through hands-on experience. Students will collaborate to produce high-quality recordings within several musical genres.

**Prerequisites & Notes:** Prerequisites: MU 3313. Co-requisites: MU 4413.

**Credits:** 3 cr.

**MU 4417 - COMPOSITION**

Contemporary techniques of musical composition; emphasis on creative work.

**Prerequisites & Notes:** Prerequisite: MU 3312

**Credits:** 3 cr.

**MU 4420 - SONG LITERATURE**

Studies development of monophonic song from the days of the troubadours and troupers to the present time. Emphasizes especially the history of the German lied, the French chanson or melody, and solo song in the British Isles and the United States. Also includes the major composers of song in the Slavic countries, Spain, South America, and Scandinavia.

**Credits:** 3 cr.

**MU 4421 - CHORAL LITERATURE**

The study of choral repertoire from each historical period including literature from the spiritual, folk, and jazz idioms. Course will include music for choirs from elementary school through collegiate levels as well as issues regarding performance practice, vocal warm-ups, and rehearsal techniques.

**Prerequisites & Notes:** Prerequisites MU 3350, MU 3351.

**Credits:** 2 cr.

**MU 4427 - CONTEMPORARY MUSIC**

Surveys the styles, forms, and musical techniques of contemporary music.

**Credits:** 3 cr.

**MU 4428 - AMERICAN MUSIC**

Historical background and development of music in the United States from colonial times to the present. Studies the principal composers and their music. Reading, research, and listening emphasized.

**Credits:** 3 cr.

**MU 4429 - ADVANCED STUDIES MUSIC LITERATURE**

Intensive study of selected choral, solo, chamber, and orchestral masterpieces: emphasis on formal and stylistic developments.

**Prerequisites & Notes:** Prerequisite: MU 2221, 2222, 3321, and 3322.

**Credits:** 3 cr.

**MU 4431 - THE SYMPHONY**

Studies orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and contemporary composers. Works will be analyzed and their historical, cultural, and philosophical backgrounds discussed.

**Credits:** 3 cr.

**MU 4432 - THE CONCERTO**

Emphasizes the development of the concerto and the stylistic contributions of the great masters. Representative works will be studied in score and recordings.

**Credits:** 3 cr.

**MU 4437 - WIND BAND LITERATURE**

The study of wind band literature considered standard in the performance repertoire at the high school level with an emphasis on developing the skills to recognize works that are artfully crafted.

**Prerequisites & Notes:** Prerequisites: MU 3315 and MU 3351.

**Credits:** 2 cr.

**MU 4458 - BASIC WOODWIND REPAIR**

Designed to give the student the knowledge and skills needed to repair the majority of problems encountered on woodwind instruments.

**Credits:** 2 cr.

**MU 4459 - MARCHING BAND TECHNIQUES**

Detailed study of the marching band including philosophy, styles, charting, music, materials, instrumentation, administration, and contemporary techniques.

**Credits:** 2 cr.

**MU 4471 - VOCAL PEDAGOGY**

A study of the teaching of singing on an individual or group basis. Study of the five elements of singing: respiration, phonation, resonance, articulation, and interpretation. An examination of various approaches to voice teaching, including a study of books on voice pedagogy.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 3 cr. Notes: May be taken for 2 or 3 credits only.

**MU 4472 - PIANO PEDAGOGY**

Studies procedures for class and individual instruction: emphasizes the ear approach as the basis for reading, true musical perception and intelligent understanding of the printed page. Examines and evaluates materials suitable for the first years of piano study.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 2 cr.

**MU 4473 - PRACTICUM IN PIANO TEACHING**

Introduces class and individual instruction techniques to be used with young beginners.

**Prerequisites & Notes:** Prerequisite: MU 4472.

**Credits:** 1 cr.

**MU 4474 - STRING PEDAGOGY**

Evaluates string methods and materials, gives hands-on practice on feedback on string lesions, grades and organizes string music literature, present history of string teaching and offers a repertory of teaching techniques and routines. Prerequisites MAP 1151, MAP 1152.

**Credits:** 2 cr.

**MU 4475 - WOODWIND PEDAGOGY**

Acquaints students with the woodwind instruments and their solo and ensemble literature. Lecture, demonstration, films, tapes, and recordings presented for flute, oboe, bassoon, clarinet, and saxophone.

**Credits:** 2 cr.

**MU 4476 - BRASS PEDAGOGY**

Studies the techniques, teaching problems, teaching materials, history, and literature related to the brass instruments.

**Credits:** 2 cr.

**MU 4477 - PERCUSSION PEDAGOGY**

Studies teaching techniques and associated literature of the various percussion instruments.

**Credits:** 2 cr.

**MU 4481 - SURVEY OF THE BUSINESS OF MUSIC**

An overview of the global music industry as practiced in the United States, this course will provide insights into a number of key areas of business related to music. Students will also explore a diversity of music industry career paths in areas such as arts management, music products and merchandizing, public relations, music production and recording, publishing, and online music distribution.

**Credits:** 3 cr.

**MU 4489 - INTERNSHIP: MUSIC INDUSTRY**

A 1 4-week internship in the music industry intended as a capstone experience for the Industry program. Internships may take place in the fields of music products retail and wholesale, arts management, marketing, promotions, recording, and/or production. Students are encouraged to make contact with potential internship programs well before their internship.

**Prerequisites & Notes:** Prerequisite: MU 4481.

**Credits:** 12 cr.

**MU 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

## **Nursing**

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**NUR 1010 - HUMAN BODY AND HEALTH**

The emphasis of this course will be the development of life-long wellness strategies through knowledge of anatomy and physiology. As students learn about individual body systems, they will also learn about some of the common pathologic conditions associated with the system and how to keep the system healthy. This course is NOT for nursing or nutrition majors but will meet the wellness requirement for non-nursing majors.

**Credits:** 3 cr.

**NUR 1100 - FOUNDATIONS OF PROFESSIONAL NURSING**

This course introduces first-year students to the university community and the health profession of nursing. The course has two separate goals: providing a basis for academic and professional success, and involving students in the world around them. Students will become involved in the MU community, develop an awareness of diversity

issues, examine what it means to be a college student, explore what it means to be a professional, and develop strategies for success. Discussion of the importance of a strong liberal arts foundation as the basis of professional study is an integral part of the course. Professional concepts such as communication skills, basic medical language, legal, ethical, and professional issues are introduced.

**Credits:** 2 cr.

### **NUR 1120 - PUBLIC HEALTH and SOCIAL JUSTICE**

This course is designed to provide an overview of public health with an emphasis on the population perspective and the cross-cutting ecological nature of public health including the population impacts on healthcare systems. Discussions will integrate social justice issues, epidemiology and other public health concepts, with discussions primarily limited to the United States and occasional references to global implications.

This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective.

**Credits:** 3 cr. General Education Requirement: This course does not meet the wellness requirement for nursing or nutrition students, nor can it be used as a nursing elective.

### **NUR 3260 - CONCEPTS OF PROFESSIONAL NURSING**

A seminar designed to introduce RN students to the theoretical and philosophical bases underlying professional nursing practice. Role theory with an emphasis on the development of the professional self-concept will be explored. Open to RN students only.

**Credits:** 3 cr.

### **NUR 3261 - HEALTH ASSESSMENT ACROSS THE LIFE SPAN**

This course is designed to assist the RN to BSN student develop the skills necessary to perform health assessments. The course incorporates the principles of interviewing, comprehensive health history, sequential physical assessment, and analysis and documentation of collected data.

**Prerequisites & Notes:** Prerequisites: NUR 3260 or instructor permission.

**Credits:** 3 cr.

### **NUR 3270 - INTRODUCTION TO PROFESSIONAL NURSING I**

This course provides a theory and skills foundation for professional nursing, and the role of the professional nurse is explored. The Nursing process, health care needs of individuals, and health physical assessment are central concepts. The history of nursing and the laboratory component concentrate on acquisition of professional nursing skills.

**Prerequisites & Notes:** Prerequisite: BSC 1121 or BSC 1122 or instructor permission. Pre or Co-requisite: NUR 1100.

**Credits:** 3 cr.

### **NUR 3271 - INTRODUCTION TO PROFESSIONAL NURSING II**

This course builds on the concepts introduced in NUR 1170 and 3270. Course content focuses on developing a global awareness of cultures outside of the United States, and the impact of culture on nursing practice. There is a continuation of the application of the nursing process to human needs and responses to illness and human development. The laboratory component focuses on gaining basic clinical skills and applying them in the student's first clinical experience.

**Prerequisites & Notes:** Prerequisites: NUR 1100 and NUR 3270.

**Credits:** 4 cr.

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### **NUR 3361 - INTRODUCTION TO NURSING RESEARCH**

This course provides an overview of the steps in the research process, and the ethical and legal implications involved in scientific inquiry. Emphasis is on knowledge and methods required to critically evaluate research studies and reports.

**Prerequisites & Notes:** Prerequisites: NUR 3270 and 3271 or NUR 3260; MA 1125; or instructor permission.

**Credits:** 2 cr.

### **NUR 3370 - NURSING CARE OF THE ADULT CLIENT**

Explores the use of the nursing process with adult clients as they encounter actual and potential stressors along with the wellness-illness continuum. The clinical lab provides the student with opportunities to apply the nursing process at all levels of prevention and to observe various roles of the professional nurse within the health care system.

**Prerequisites & Notes:** Prerequisite: BSC 1121, BSC 1122, BSC 3271 (or BI 3371), CHM 1110, DIT 2211, NUR 3270 and NUR 3271.

**Credits:** 8 cr.

### **NUR 3371 - NURSING CARE OF CHILDBEARING AND CHILD REARING FAMILIES**

Explores the use of the nursing process with individual and family clients. The focus of the role of the nurse in meeting the health care needs of childbearing and child rearing families at all levels of prevention and in a variety of settings. The course content focuses on growth and development, family issues and assessment, the change process, and stressors for and reaction of individuals and families.

**Prerequisites & Notes:** Prerequisite: BSC 11 21, BSC 11 22, BSC 3271 (or BI 3371), CHM 1110, NUR 3270 and NUR 3271.

**Credits:** 8 cr.

### **NUR 3391 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING PRACTICE I**

This course examines pathophysiological concepts of altered health states of selected body systems along with appropriate pharmacological management and nursing implications. Includes alterations in cell function, metabolism, stress and adaptation, inflammation, immunity, oxygenation, and cardiac function.

**Prerequisites & Notes:** Prerequisites: NUR 3270, NUR 3271, BSC 1121, BSC 1122 and BSC 3271 or BI 3371.

**Credits:** 3 cr.

### **NUR 3392 - THE PATHOPHYSIOLOGIC AND PHARMACOLOGIC BASES OF NURSING II**

This course examines pathophysiological concepts of altered health states of selected body systems along with appropriate pharmacological management and nursing implications. Includes alterations in respiratory function, fluids and electrolytes, renal function, gastrointestinal function, endocrine function, and neurological function.

**Prerequisites & Notes:** Prerequisites: NUR 3270, NUR 3271, BSC 1121, BSC 1122, BSC 3271 or BI 3371.

**Credits:** 3 cr.

**NUR 4402 - WOMEN'S HEALTH ISSUES**

Designed to explore and analyze a wide range of women's health issues from a multi disciplinary perspective. It is presented in a seminar format utilizing feminist pedagogy. A high level of student participation is expected.

**Credits:** 3 cr.

**NUR 4411 - CASE STUDIES IN NURSING**

This course focuses on improving the student's ability to plan and deliver high quality nursing care through the use of patient case studies. These case studies will include all aspects of nursing care and will help enhance the student's critical thinking abilities, improve efficiency with the nursing process and contribute to communication skills.

**Credits:** 3 cr.

**NUR 4430 - COMMUNICATIONS IN NURSING**

Provides both theory and classroom experiences with communications in nursing which will support, reinforce, and expand on concepts from previous courses. The acquisition of knowledge and the development of skills, which will assist one in becoming more effective in the client-nurse relationship, are emphasized. Verbal and non-verbal communication techniques, problem solving, empathy, self-disclosure, confrontation, relaxation, and responsible/assertive communications are some of the topics are examined.

**Prerequisites & Notes:** Prerequisite: COM 1101, NUR 3270 and NUR 3271.

**Credits:** 3 cr.

**NUR 4433 - HEALTH PROMOTION AND DISEASE PREVENTION STRATEGIES**

An interdisciplinary, international investigation of health promotion taught from the perspective of various disciplines with an emphasis on issues of nutrition, exercise, health behaviors and motivational theory. It is designed to familiarize students with implementing strategies for health promotion and disease prevention on the personal and community level. Active participation by the student in a health promotion project will be required.

**Credits:** 3 cr.

**NUR 4454 - GERONTICS/NORMAL AGING**

Provides both theoretical content and interaction with the well-elderly. Assessing and assisting the aging to maintain wellness will be the major focus.

**Prerequisites & Notes:** Prerequisite: NUR 3270, 3271 and SOC 1101

**Credits:** 3 cr.

**NUR 4460 - CURRENT ISSUES IN PROFESSIONAL NURSING**

A seminar which examines current trends, controversies, questions, and dilemmas of professional nursing. The influence of political, ethical/legal, economic, and societal aspects on nursing practice and education are explored.

**Prerequisites & Notes:** Prerequisite: junior level nursing courses.

**Credits:** 3 cr.

**NUR 4465 - RURAL HEALTH ISSUES**

The central focus of this course is to define and conceptually explore the essence of rurality and rural health issues. A comparison of the uniqueness of rural health issues

will be explored from a global and cultural perspective. Identifying the cross cutting factors that tie rural to urban health care systems will assist the student to develop and understanding of the advocacy role of rural health care providers.

**Credits:** 3 cr.

### **NUR 4471 - COMMUNITY HEALTH NURSING**

Explores the scope of community health nursing considering the multiple frameworks of nursing theory and process, family theory and practice, and public health principles. Emphasis is placed on studying the relationships between individual, family, and community health care needs.

**Prerequisites & Notes:** Prerequisite: junior level nursing courses

**Credits:** 6 cr.

### **NUR 4472 - MENTAL HEALTH NURSING**

Focuses on the mental health concepts relative to the nursing care of clients. The nursing process is examined and applied primarily with individuals, but also includes families, groups, and communities and takes place in a variety of settings. Emphasis is placed upon the nurse's role of collaboration with other health care professionals in meeting the health care needs of clients at all levels of prevention.

**Prerequisites & Notes:** Prerequisite: junior level nursing courses

**Credits:** 6 cr.

### **NUR 4480 - LEADERSHIP AND MANAGEMENT IN NURSING**

Introduces the student to the theoretical foundation for the practice of independent and interdependent nursing by discussing current leadership and management concepts and their relevance to professional nursing practice.

**Prerequisites & Notes:** Prerequisite: junior level nursing courses.

**Credits:** 3 cr.

### **NUR 4485 - FAMILY NURSING**

The concept of family is studied and analyzed in terms of both health and illness. This course emphasizes the nursing process as it applies to the family unit. Students will use the Betty Newman Nursing Model to study selected families.

**Prerequisites & Notes:** Prerequisite: NUR 3271 or 3260; NUR 3370 or 3371.

**Credits:** 3 cr.

### **NUR 4490 - CARE OF THE CLIENT WITH MULTISYSTEM STRESSORS**

Advanced concepts of acute care nursing are applied to complex health problems in clients with multisystem stressors.

**Prerequisites & Notes:** Prerequisites: NUR 3370, NUR 3371, NUR 3391 and NUR 3392.

**Credits:** 8 cr.

### **NUR 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.



## Philosophy

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### **PHL 1191 - ETHICAL ISSUES IN ALLIED HEALTH CARE**

Especially designed for individuals pursuing careers in respiratory therapy and radiology technology. Topics include informed consent, paternalism, professional accountability, access to professional services, policy implications and the control of technology, and the benefits of health-care practices. May not be used as a substitute in the Nursing Program for PHL 3380; not a General Education Humanities course.

**Credits:** 3 cr.

### **PHL 2200 - CRITICAL THINKING**

This course is designed to improve a student's ability to recognize and evaluate arguments and claims as they occur in a variety of contexts, such as editorials, articles, debates, newscasts, speeches, advertisements, and conversations. Logical fallacies, common ways in which arguments go wrong, will be studied, along with the features of good reasoning. Various forms of inductive or informal argumentation will be analyzed, including scientific, legal and everyday reasoning.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PHL 2201 - INTRODUCTION TO PHILOSOPHY**

Examines the basic foundational beliefs in the religious, scientific, ethical, and political dimensions of life. Exercises the student's ability to identify his/her own basic beliefs and subject these to critical evaluation. Examples of issues discussed are whether ethical values are relative, the existence of God, the nature of justice, and human freedom.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PHL 2202 - CONTEMPORARY MORAL PROBLEMS**

Analyzes moral arguments pertaining to difficult contemporary issues, with emphasis on clarifying and evaluating these. Discussion subjects include: abortion, euthanasia, the moral status of animals, the environment, the rights of women and minorities, censorship and pornography, etc. Course goal is to enable the student to assess the strengths and weaknesses of the various positions on each issue. PHL 2202 is suitable as an entry level course in Philosophy.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PHL 2259 - PHILOSOPHY OF RELIGION**

Analyzes the validity of various proofs of God's existence. Also examines religious language, the difference between faith and reason, the question of religious authority, and the reasonableness of the religious lifestyle.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PHL 2350 - PHILOSOPHY AND POPULAR CULTURE**

Using a variety of contemporary examples and case studies from American culture, which may change from one course offering to the next, the course will demonstrate Philosophy's relevance in the mainstream popular culture. Course emphasizes development in critical thought, analysis, and communication skills. With instructor's approval, may be repeated for credit.

**Credits:** 3 cr.

**PHL 3230 - FORMAL LOGIC**

Examines forms of argumentation and formal reasoning, including inductive inference, categorical syllogisms, and propositional logic. In addition to examining both standard and non-standard categorical arguments, this course provides an introduction to symbolic notation, the use of truth tables, and the rules of natural deduction. Required for the Philosophy major.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3260 - TOPICS IN PROFESSIONAL ETHICS**

This course will examine both moral reasoning and ethical principles as they apply to issues and practices in such professions as business, education, law, police work, scientific research, clinical psychology and psychiatry, social work and information technology. Each offering may emphasize different professions or one specific profession. With instructor's approval, may be repeated for credit.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202, or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3300 - PHILOSOPHY OF THE ARTS**

A detailed survey of both classical and modern aesthetic theories along with a criticism of each.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3305 - PHILOSOPHY AND FILM**

Aesthetic, ethical and epistemological issues surrounding the moving image. Topics include: realism, neo-realism, the new wave, feminism and the influence of existential and Marxist philosophies on cinematic theory.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3310 - SOCIAL AND POLITICAL PHILOSOPHY**

An analysis of philosophical concepts and arguments presupposed in social and political discourse. Topics include: liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources:

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3316 - ENVIRONMENTAL ETHICS**

An analysis of philosophical and ethical arguments involving environmental issues. Topics include the nature of rights, models of normative decision-making, and case studies.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3320 - PHILOSOPHY OF LAW**

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include: the nature of law and legal decision making; theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources.

**Prerequisites & Notes:** Prerequisite: PHL 2201, or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3330 - EASTERN APPROACHES TO REALITY**

An examination of the philosophical perspective of the Eastern mind as exhibited in Hinduism, Buddhism, Taoism, Confucianism, and Zen Buddhism. Primary focus is on the difference between the Eastern and Western modes of looking at the world.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3333 - HISTORY OF RELIGIONS IN NORTH AMERICA**

Surveys the impact of the development of religious movements, institutions, ideas, practices and values on US and Canadian cultures, politics and society.

**Credits:** 3 cr.

**PHL 3340 - ETHICS**

Examines how to make rational decisions in situations with a moral dimension. Examines traditional and contemporary applied problems in ethics, e.g. sexual morality, cheating. Examines the moral implications of various lifestyles. Course goal is to assist students in developing the ability to function as morally autonomous persons.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3345 - NORTH AMERICAN PHILOSOPHIES**

Examines some of the major trends in philosophy in the U.S. and Canada, especially pragmatism and idealism. The course will focus on the relation of philosophy to other aspects of the North American experience, e.g. religion, education, economics, politics, and culture. Attention will be paid to the differences between Native American, European American, and African American traditions.

**Prerequisites & Notes:** Prerequisites: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3365 - SCIENCE AND VALUES**

Examines problems raised by science and technology. Topics will include: the ethics of experimentation; racism and sexism in science; the limits to technological growth; ecological and nuclear disaster; creationism versus evolutionism; ugliness and beauty in a technological environment. This course is geared to both specialists and non-specialists in philosophy or science.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3380 - HEALTH CARE ETHICS**

An examination of the arguments designed to provide solutions to moral problems commonly faced by health care professionals. Topics include: lies to the sick and dying; abortion; euthanasia, privacy and confidentiality, paternalism, and moral theory.

**Prerequisites & Notes:** 45 credits earned or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PHL 3390 - EXISTENTIALISM**

Analyzes this twentieth-century movement which emphasizes human uniqueness and value. Existential themes include freedom, commitment, self-determination, and authenticity. Major philosophers considered are Kierkegaard, Nietzsche, Heidegger, and Sartre.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 3470 - THEORIES OF MIND AND KNOWLEDGE**

A study of some of the philosophical theories involved in understanding the nature of the human mind and what constitutes knowledge. Some of the topics or concepts which may be examined are behaviorism, identity theory, folk psychology, functionalism, consciousness, intentionality, belief, justification, skepticism, and artificial intelligence. Attention will be paid to recent developments in neuroscience and the social sciences, especially psychology.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202, and 45 credit earned: or, permission of instructor.

**Credits:** 3 cr.

**PHL 4420 - CLASSICAL GREEK PHILOSOPHY**

A serious investigation of Western philosophy from the beginning through Aristotle. The relationships between philosophy and other areas of Greek culture are examined. Extended treatments of the pre-Socratics, Plato, and Aristotle are presented.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 4422 - TOPICS IN MODERN PHILOSOPHY**

Includes study of the philosophical thought of the early scientists whose investigations culminated in the contemporary scientific method. Philosophers of the 17th and 18th centuries are examined, from Thomas Hobbes to Immanuel Kant. Problem areas of this period are: the mind-body relationship, the possibility of knowledge, perception, and the status of ideas.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PHL 4423 - TWENTIETH CENTURY PHILOSOPHY**

Analysis of the defining features of major philosophical movements in the twentieth century. The movements which may be examined include linguistic analysis, logical positivism, pragmatism, philosophy of mind, postmodernism, and feminism.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202, and 45 credits earned; or, permission of instructor.

**Credits:** 3 cr.

**PHL 4450 - INTERNSHIP**

Information can be obtained from Philosophy chairperson. No more than six credits count toward the Philosophy Major.

**Credits:** 3 - 12 cr.

**PHL 4490 - SEMINAR**

An intense, supervised investigation of a specialized problem in philosophy or into the writings of a particular philosopher and philosophical movement.

**Prerequisites & Notes:** Prerequisite: PHL 2201 or PHL 2202, and either 45 credits earned or permission of instructor.

**Credits:** 1 - 3 cr.

**PHL 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Physics

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**PHY 1151 - CONCEPTUAL PHYSICS I**

An introduction to both classical and modern physics without the use of calculus. Designed to enable the student to appreciate the role of physics in society.

**Credits:** 4 cr. Variable Credits: [3, 0, 2] General Education Requirement: May satisfy General Education requirements

**PHY 1152 - CONCEPTUAL PHYSICS II**

Continuation of PHY 1151.

**Credits:** 4 cr. Variable Credits: [3, 0, 2] General Education Requirement: May satisfy General Education requirements

**PHY 1165 - PHYSICS FOR THE ALLIED HEALTH SCIENCES**

Designed to give students in the Allied Health Sciences the physics background needed for their professional work. Selection of material is based on the appropriateness of the life sciences without limiting basic concepts found in all introductory physics courses.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 1180 - QUANTITATIVE METHODS FOR THE PHYSICAL SCIENCES**

Introduction to the application of mathematical analysis to physical situations. Problem solving using algebraic, statistical, calculus, and computer methods.

**Prerequisites & Notes:** Co-requisite: MA 2231.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 1191 - PHYSICS I**

A one-year sequential calculus physics course discussing classical mechanics, fluids, thermodynamics, classical electricity and magnetism, optics and waves, modern physics. Application of physics to life science is made in problem selection and laboratory experimentation.

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**Prerequisites & Notes:** Co-requisite: MA 2231.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

### **PHY 1192 - PHYSICS II**

Continuation of PHY 1191.

**Prerequisites & Notes:** Prerequisite: PHY 1191.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

### **PHY 2210 - GENERAL PHYSICS I**

A calculus based, introductory physics course emphasizing classical concepts. Selected topics include: motion, work and energy, gravitation, electricity and magnetism, and electromagnetic waves.

**Prerequisites & Notes:** Prerequisite: MA 2231. Co-requisite: MA 2232.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

### **PHY 2211 - GENERAL PHYSICS II**

Continuation of PHY 1191 or 2210.

**Prerequisites & Notes:** Co-requisite MA 2233.

**Credits:** 4 cr. Variable Credits: [3, 1, 2] General Education Requirement: May satisfy General Education requirements

### **PHY 3264 - PHYSICAL METHODS IN FORENSIC SCIENCE**

An advanced treatment of the physical methods used in the investigation of criminal activities. Topics covered include: statistical treatment of data, material properties of matter, ballistics, hair and fiber identification, physical markings, and spectral analysis.

**Prerequisites & Notes:** Prerequisites: CHM 1110, SCI 1104, SCI 1107

**Credits:** 3 cr. Variable Credits: [2, 0, 2]

### **PHY 3311 - MODERN PHYSICS I**

An introduction to 20th century physics, including the structure of atoms and nuclei, basic ideas of quantum mechanics and solid state theory.

**Prerequisites & Notes:** Prerequisite: MA 2233. Co-requisite: MA 3311.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

### **PHY 3312 - MODERN PHYSICS II**

Continuation of PHY 3311.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

### **PHY 3313 - PHYSICAL MECHANICS I**

An analytic treatment of classical mechanics covering the methods of statics and dynamics of rigid bodies with application to physical problems; small oscillations, generalized coordinates and Lagrange's equations.

**Prerequisites & Notes:** Prerequisite: MA 2233 and PHY 2211. Co-requisite: MA 3311.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3314 - PHYSICAL MECHANICS II**

Continuation of PHY 3313.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3315 - ANALOG ELECTRONICS**

The basics of analog electronics will be discussed and explored in the lab. Topics covered include: Kirchoff's laws, Thevenin equivalent circuits, time varying signals, filters, diodes, transistors, and amplifiers.

**Prerequisites & Notes:** Prerequisite: PHY 2211. Co-requisite MA 3311.

**Credits:** 4 cr. Variable Credits: [3, 0, 3]

**PHY 3316 - DIGITAL ELECTRONICS**

The basics of digital electronics will be discussed and explored in the lab. Topics covered include: binary systems, Boolean algebra and logic gates, information registers, memory circuits, and digital microprocessors.

**Credits:** 4 cr. Variable Credits: [3, 0, 3]

**PHY 3317 - PHYSICAL OPTICS**

Wave phenomena, electromagnetic theory of light, interference, diffraction, polarization and nonlinear optics.

**Prerequisites & Notes:** Prerequisite: MA 2233, MA 3311 and PHY 2211.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3318 - THERMODYNAMICS**

An introduction to thermal physics and kinetic theory.

**Prerequisites & Notes:** Prerequisite: MA 2233, MA 3311 and PHY 2211.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3319 - INTRODUCTION TO SOLID STATE PHYSICS**

A brief summary of the theory underlying the behavior of solids. Emphasis on transport theory, interaction of light and matter, semiconductor devices, superconductors and lasers.

**Prerequisites & Notes:** Prerequisite: PHY 3312, MA 2233, and MA 3311.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3321 - SELECTED TOPICS I**

Any selected topic not sufficiently covered in a general course.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 3322 - SELECTED TOPICS II**

See PHY 3321 for course description.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

**PHY 4401 - ELECTRICITY AND MAGNETISM I**

Foundations of electromagnetic theory including electrostatics, dielectric theory, magnetic properties.

**Prerequisites & Notes:** Prerequisite: MA 3311 and PHY 2211.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

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### **PHY 4402 - ELECTRICITY AND MAGNETISM II**

Continuation of PHY 4401.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

### **PHY 4407 - INTRODUCTION TO QUANTUM MECHANICS**

An introduction to wave mechanical and axiomatic approaches with simple applications.

**Prerequisites & Notes:** Prerequisite: MA 2233, MA 331 1 and PHY 3312.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

### **PHY 4408 - ATOMIC AND NUCLEAR PHYSICS**

Continuation of PHY 4407; physical applications of quantum mechanics to atomic and nuclear physics.

**Credits:** 3 cr. Variable Credits: [3, 0, 0]

### **PHY 4415 - PHYSICS RESEARCH I**

Undergraduate physics research project initiated by the student and completed in conjunction with a faculty member. Permission of the instructor required.

**Credits:** 3 cr. Variable Credits: [0, 0, variable]

### **PHY 4416 - PHYSICS RESEARCH II**

Undergraduate physics research project initiated by the student and completed in conjunction with a faculty member.

**Prerequisites & Notes:** Prerequisite: PHY 441 5 and permission of the instructor.

**Credits:** 3 cr. Variable Credits: [0, 0, variable]

### **PHY 4440 - PHYSICS PRACTICUM**

The physics practicum gives students the opportunity to apply knowledge and skills in physics while working with a private or public agency. The practical experience required augments the physics learned in the classroom. Permission of advisor required.

**Credits:** 1 - 6 cr. Variable Credits: [Variable] Notes: May be taken for 1 to 6 credits. No more than 3 credits can count towards the major.

### **PHY 4450 - CURRENT SCIENTIFIC PHENOMENA**

This course permits students to take advantage of important temporary phenomena. Thus credit hours, period and time of presentation, and instructional personnel must vary. Selection of topics will be based upon intrinsic value and interest as well as importance for other courses.

**Credits:** 1 - 3 cr. Variable Credits: [Variable] Notes: May be taken for 1 through 3 credits not to exceed 6 credits.

### **PHY 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Variable Credits: [Variable] Notes: May be taken for 1 - 3 credits at one time.



## Political Science

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### **PSC 2201 - INTRODUCTION TO AMERICAN GOVERNMENT**

An introductory course on the major institutions and processes of the U.S. political system. Topics discussed include the principles of governance, separation of powers, checks and balances, federalism, civil rights and liberties, and policymaking.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSC 2204 - STATE AND LOCAL POLITICS**

Examines the institutions and process of state and local governments. Emphasizes the challenges facing subnational governments and the process and implementation of policymaking. Pennsylvania state government is a particular (but not exclusive) focus.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSC 2210 - INTRODUCTION TO INTERNATIONAL RELATIONS**

Focuses on the relationships among nation-states in terms of goals and policies. Takes both a global and a regional perspective of the modern world. Topics discussed include the roles of international organizations, the causes and consequences of conflict, and the proliferation of nuclear, biological, and chemical weapons. Particular attention is given to current foreign policy issues facing the U.S.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSC 2212 - INTRODUCTION TO COMPARATIVE POLITICS**

An introduction to the comparative study of political systems. Basic themes include the structure, processes, cultures, and policies of representative nations drawn from Europe, the former Soviet Union, and the developing world.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSC 3301 - CIVIC ENGAGEMENT AND PARTICIPATION**

Examines the roles of social and political institutions in shaping political participation and voting behavior as well as how individuals acquire and express political knowledge, attitudes and opinions. Also addresses ways to promote civic engagement.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSC 3308 - SOCIAL SCIENCE RESEARCH METHODS**

Techniques and procedures for processing social science data. Ability to develop and evaluate research report and to judge how findings may be applied to improve political science practices are the primary goals of the course. Previous training in statistics strongly recommended.

**Credits:** 3 cr.

### **PSC 3311 - SOCIAL AND POLITICAL PHILOSOPHY**

The analysis of philosophical and ethical arguments presupposed in social and political discourse. Topics include liberty and its limits, human rights, economic and social justice, the nature of political obligation and disobedience. Emphasis is on evaluating philosophical theories from both contemporary and historical sources.

**Prerequisites & Notes:** Prerequisites: PHL 2201, PHL 2202, or permission of instructor.

**Credits:** 3 cr.

**PSC 3312 - CANADA, MEXICO AND THE U.S.**

Explores the political systems of these three North American countries in a comparative perspective. Specific focus on political institutions, cultures, processes, policies in each country. Special attention to NAFTA.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSC 3322 - PHILOSOPHY OF LAW**

An analysis of philosophical concepts and arguments presupposed in legal discourse and reasoning. Topics will include the nature of law and legal decision making, theories of justice, privacy, responsibility and punishment. Emphasis is on examining specific legal cases from both contemporary and historical sources.

**Prerequisites & Notes:** Prerequisites: PHL 2201, PHL 2202, or permission of instructor.

**Credits:** 3 cr.

**PSC 3325 - ADVANCED LEADERSHIP**

Provides students with an in-depth understanding of leadership issues and examines the applications of leadership principles to the college environment as well as other settings in the community. Students participate in a campus or community setting where they can study and apply these principles.

**Prerequisites & Notes:** Prerequisites: 49 credit hours or permission of instructor.

**Credits:** 3 cr.

**PSC 3328 - INTERNATIONAL POLITICAL ECONOMY**

Examines the relationships between politics and economics in the world. Emphasizes the growth and impact of globalization and interdependence. Special attention to the politics of economic development.

**Credits:** 3 cr.

**PSC 3330 - PUBLIC POLICY**

Examines the public policy process from issue creation to policy adoption. Focuses on the politics of the policy making process.

**Credits:** 3 cr.

**PSC 3336 - POLITICAL SOCIOLOGY**

Covers the intersection of sociology and politics. Investigates the development of policy issues, people's reactions and responses to them, and resolution of the issues in the public arena. Focuses on the dynamics of power and influence in the social relations: who has power, who does not, and why.

**Credits:** 3 cr. Dual Listed/Cross Listed: SOC 3336

**PSC 3348 - NORTH AMERICAN PHILOSOPHIES**

Examines some of the major trends in philosophy in the U.S. and Canada, especially pragmatism and idealism. The course will focus on the relation of philosophy to other aspects of the North American experience, e.g., religion, education, economics, politics, and culture. Attention will be paid to the differences between Native America, European American, and African American traditions. PHL 2201, PHL 2202 or permission of instructor.

**Credits:** 3 cr.

**PSC 3357 - SOCIOLOGY OF EDUCATION**

Introduces students to the major sociological and political theories and research in the area of education. Students will examine the history and structure of education in the U.S. and how the U.S. compares with other countries. The major focus of the course is to understand why students do and do not succeed in the U.S. educational system.

**Credits:** 3 cr.

**PSC 3366 - TWENTIETH CENTURY EUROPE**

A study of the political, economic, cultural, and international developments in Europe during the twentieth century. Particular attention is given to the two World Wars and their causes, the rise of mass culture, the Cold War, and the revolutions of 1989.

**Prerequisites & Notes:** Prerequisites: One history course or permission of instructor.

**Credits:** 3 cr.

**PSC 3377 - LATIN AMERICAN POLITICS**

Examines the political systems of the Latin American region in terms of historical, political, economic, and social aspects. Special attention to the idea of political development and change.

**Credits:** 3 cr.

**PSC 4401 - TOPICS IN AMERICAN POLITICS**

Examines in depth a specific aspect of the American political system, such as interest groups, political parties, the media, political campaigns and elections, or the judicial system.

**Credits:** 3 cr.

**PSC 4402 - PRESIDENT AND CONGRESS**

Examines the Executive and Congress as both governmental and political institutions, as well as the ongoing relationship between them.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSC 4404 - COURTS AND THE CONSTITUTION**

Examines general principles of the U.S. constitutional system and the role of the judiciary in interpreting individual rights.

**Credits:** 3 cr.

**PSC 4412 - TOPICS IN COMPARATIVE POLITICS**

Examines in depth the government and politics of a particular country or group of countries (e.g. Canada, Communist systems, developing countries, the European Community).

**Credits:** 3 cr.

**PSC 4415 - U S FOREIGN POLICY**

Examines the content and process of U.S. foreign policy since 1900. Emphasis is on interests, objectives and strategies in key regions as well as domestic forces and constraints.

**Credits:** 3 cr. Dual Listed/Cross Listed: SOC 4415

**PSC 4430 - GLOBAL DEMOCRATICIZATION**

Examines the concepts related to democratic theory, early forms of democratic practices, the development of democracy in Europe and the U.S., and the spread of democracy worldwide. Special attention given to why and how countries become – or fail to become – democratic.

**Credits:** 3 cr.

**PSC 4450 - INTERNSHIP**

Designed to give actual experience in the work of an agency and an understanding of the agency's position in the community. Further, the intern should become aware of the agency's philosophy and goals, the formal and informal organization of the agency, and the role for the agency in the political system.

**Credits:** 1 - 15 cr.

**PSC 4497 - INDEPENDENT STUDY**

Independent study is a student initiated activity to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Psychology

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**PSY 1101 - INTRODUCTION TO GENERAL PSYCHOLOGY**

Designed to familiarize students with the application of scientific psychology to human life. Emphasis is on "normal" behavior and its antecedents. Includes the study of broad categories of human behavior through various psychological models.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 1151 - ORIENTATION TO PSYCHOLOGY**

Intended for students who have recently become or are seriously considering a psychology major. Will focus on assessing initial skill levels, career choices and planning, critical skills and experiences that may be required for entry into the workforce or graduate study; department policies and procedures; and writing style requirements of the American Psychological Association (APA). Co-requisites: PSY 1101.

**Credits:** 3 cr.

**PSY 2201 - PSYCHOLOGICAL ASSESSMENT**

An introduction to the assessment of human behaviors in clinical-counseling, educational, and organizational settings. Emphasis is placed on teaching students to be informed consumers and critical thinkers regarding the development and use of psychological tests and assessments.

**Prerequisites & Notes:** Prerequisite: PSY 1101

**Credits:** 3 cr.

**PSY 2203 - (SOC) TELEPHONE SURVEY RESEARCH**

Provides training in applied social research. Students are directly involved in the construction of an interview schedule, selecting a sample, conducting telephone interviews, coding and analyzing data, and writing a report.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 2206 - RESEARCH METHODS I**

A practical, skills-based introduction to research methods in psychology including the scientific method, experimental design, survey construction, data collection, and data analysis. Students will be exposed to a variety of computer programs including Excel, SPSS, and Survey Pro as well as information technology resources including PILOT, PsychInfo, EBSCOhost, and Web search engines.

**Prerequisites & Notes:** Prerequisites: PSY 1101 or PSY 1151.

**Credits:** 3 cr.

**PSY 2210 - PSYCHOLOGY OF FAMILY RELATIONS**

This survey course covers the psychological dynamics of the family as a unit, parent-child interactions, the effect of developmental events on the psychology of the family, divorce, single parent families, etc. Class discussion and videotapes are used to illustrate these concepts.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 2212 - HUMAN SEXUALITY**

Provides a survey of scientific findings in the area of human sexual behavior, including topics of current interest and controversy as well as the traditional issues.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 2225 - LEADERSHIP SKILLS**

This experiential workshop-style course is intended to help student leaders develop skills for effective leadership in campus and other settings. Skills addressed include having an appropriate attitude toward leadership values and ethics, communicating as a leader, working in small groups, managing conflict, leading in diverse environments, and building commitment and coalitions.

**Credits:** 1 cr. General Education Requirement: May satisfy General Education requirements

**PSY 3290 - LIFE SPAN DEVELOPMENT**

Surveys empirical findings regarding the interactive aspects of human behavioral development from conception through old age. Includes examination of major theories regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of human life span.

**Prerequisites & Notes:** Prerequisite: PSY 1101 or permission of instructor.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 3292 - CHILD PSYCHOLOGY**

Surveys theories and empirical findings regarding the interactive aspects of human behavioral development from conception through pre-adolescence. Examines major findings regarding physical, social, emotional, and mental development. Emphasizes normal development as it is experienced at each stage of the childhood years before adolescence.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**PSY 3300 - HELPING SKILLS**

Designed to help students develop effective listening and interpersonal skills for conducting counseling. The primary emphasis of this course is on (1) the application of counseling and psychological theory to actual casework and (2) the development of counseling skills through observing and conducting peer counseling sessions.

**Prerequisites & Notes:** Prerequisite: PSY 1101 and upper division standing.

**Credits:** 3 cr.

**PSY 3301 - THEORIES OF COUNSELING**

Considers the major theories of psychological treatment and behavior change. The major theories covered include: psychodynamic, humanistic, behavior, cognitive, and family systems therapies. Emphasis is placed on student understanding of conceptual bases of dominant counseling models.

**Prerequisites & Notes:** Prerequisite: PSY 1101 and upper division standing.

**Credits:** 3 cr.

**PSY 3306 - RESEARCH METHODS II**

Research methods II is a hands-on application of the material introduced in Research Methods I. Students in this course will conceptualize, design and conduct independent research projects. From data collected during this semester students will learn to present their research findings in a organized and coherent manner. Research designs covered in this course will range from survey to true experimental designs. Considerable attention will be paid to the conducting of ethical research.

**Prerequisites & Notes:** Prerequisites: PSY 1101, PSY 2206.

**Credits:** 4 cr.

**PSY 3310 - SOCIAL PSYCHOLOGY**

Covers the individual aspects of social behavior. Attention is focused on problems in perception, thinking, and motivation. The following topics are examined: theories of person perception, attitude formation, personality structure, motivational determinants of group membership and social conformity, social roles and leadership.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 3311 - INTRODUCTION TO SMALL GROUP PROCESS**

Basic principles of small group process are examined through didactic and experiential approaches. Applications in various settings are examined.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 3312 - DEVIANT BEHAVIOR AND SOCIAL PROCESS**

Psychological theories of deviant behavior are studied. Major areas include: sexual deviations, prostitution, juvenile delinquency, suicide, obesity, drug addiction, etc., and the various treatment modalities.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 3315 - HUMAN RESOURCE MANAGEMENT I**

Introduces the field of Human Resource Management (HRM). Covers strategic management and HRM, the legal context, measurement of job content, recruiting,

selection, and human resource development.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr. Notes: May be taken before or after PSY 3316.

### **PSY 3316 - HUMAN RESOURCE MANAGEMENT II**

Continues coverage of the field of Human Resource Management (HRM). Topics include performance management, terminations, workplace safety and health (OSHA), workplace violence, health information privacy issues, job design, organization development, and international HRM.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr. Notes: May be taken before or after PSY 3315.

### **PSY 3321 - ADOLESCENT PSYCHOLOGY**

An overview of research, theory, and trends in the study of adolescence as a stage in human development from the onset of biological pubescence to the transition to young adulthood. Consideration of the multiple and interacting influences on adolescent development and behavior is a major focus of the course.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **PSY 3324 - ADULT DEVELOPMENT AND AGING**

Addresses the study of trends in human development from the transition to early adulthood, through senescence, to death. Examines the social, biological, cognitive, and personality components of the aging process. Emphasizes variations in psychological adaptations to personal changes and role transitions during the adult years.

**Prerequisites & Notes:** Prerequisite: PSY 11 01 or permission of instructor.

**Credits:** 3 cr.

### **PSY 3330 - DRUGS AND BEHAVIOR**

Examines the history, use, and abuse of psychoactive drugs. The course focuses on the neurobiological basis, clinical applications, side effects, and abuses of a variety of drugs used for treating anxiety, mood, and thought disorders, as well as those drugs commonly abused, such as sedatives, stimulants, opiates, and hallucinogens.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

### **PSY 3332 - PSYCHOLOGY OF STRESS MANAGEMENT**

This course provides a current overview of stress and stress-related dysfunction. Techniques for managing stress are emphasized through demonstration and student participation.

**Prerequisites & Notes:** Prerequisites: PSY 11 01 and 49 credit hours completed, or permission of instructor.

**Credits:** 3 cr.

### **PSY 3350 - LEARNING AND COGNITION**

This course will provide students with an in-depth study of learning theory and theories of human cognition. Topics covered in this course will include classical and operant conditioning, behavior modification, memory, attention, problem solving, concept formation, and language.

**Prerequisites & Notes:** Prerequisite: PSY 11 01 and PSY 2206

**Credits:** 3 cr.

**PSY 3350L - LEARNING AND COGNITION LABORATORY**

The lab will allow students to apply their knowledge of learning theory and cognition. Students will engage in supervised research projects that will involve the demonstration of learning principles and applied cognitive psychology.

**Prerequisites & Notes:** Co-requisite: PSY 3350.

**Credits:** 1 cr.

**PSY 3352 - FIELD EXPERIENCE AND OBSERVATION**

An elective pre-internship field experience to explore professional roles and services in the community in an applied setting that is relevant to the student's concentration within the Psychology major. The course meets weekly (7 weeks) in the second half of the semester and includes an additional 15 hour field experience.

**Prerequisites & Notes:** Prerequisite: PSY 11 51 or PSY 3351.

**Credits:** 1 cr. Notes: It may be taken in the same semester as PSY 3351.

**PSY 3353 - CAREER PLANNING**

An opportunity for Psychology majors to explore career, graduate school and field placement possibilities in their concentration area prior to selecting an internship or completing capstone experiences in the major. Required for all majors; may be taken in lieu of PSY 1151 for students entering the major with more than 45 semester hours completed. The course meets weekly (7 weeks) in the first half of the semester.

**Prerequisites & Notes:** Prerequisite: PSY 11 51 or 45 or more credits completed.

**Credits:** 1 cr. Notes: It may be taken in the same semester as PSY 3352.

**PSY 3355 - HEALTH PSYCHOLOGY**

This course examines relationships that exist between our behavior, our environment, and health and disease. Specific areas of review include the psychology of physical activity, smoking cessation, weight-control, stress-disease links with cancer and cardiovascular disease, and models of health care seeking behaviors. Laboratory exercises further explore aspects of health and disease affected by social and behavioral conditions.

**Prerequisites & Notes:** Prerequisite: PSY 2206, or permission of instructor.

**Credits:** 4 cr.

**PSY 3391 - PSYCHOLOGICAL DISORDERS**

Provides an introduction to the history of psychological disorders as well as an overview of the symptoms, causes, and treatments of psychological disorders. Emphasis is placed on the biopsychosocial model of psychological disorders.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 4406 - INTRODUCTION TO CLINICAL NEUROPSYCHOLOGY**

This course provides an introduction to the field of clinical neuropsychology including the study of the human brain and a variety of neurological disorders. Students explore a variety of different disorders and will be introduced to neuropsychological assessment techniques. This course is particularly useful for pre-med, nursing, biology, and psychology students.

**Prerequisites & Notes:** Prerequisites: PSY 1101 or BSC 11 04, or permission of instructor and 49 credit hours completed.

**Credits:** 3 cr.



**PSY 4415 - LABOR RELATIONS**

Labor relations are part of the organizational landscape in manufacturing, service, government, and professional sports. This course examines the history of unions, the organizing process, roles of both parties in contract negotiation and administration, strikes and conflict resolution, grievances, and arbitration processes.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 4416 - COMPENSATION & BENEFITS**

Introduces participants to current issues and techniques in compensation and benefits. Coverage includes the legal context for compensation, job evaluation and point factor systems, construction of compensation surveys, pay for performance systems, workers' compensation, Social Security, unemployment insurance, ERISA and retirement plans and issues in executive compensation. The course emphasizes conceptual, social, and practical issues related to the development of an administration of compensation systems.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 4421 - DEATH AND DYING**

Provides an overview of the psychological aspects of death and dying in our society. Topics include attitudes toward and preparation for death, the terminally ill patient, funeral rituals and burial, mourning and grief, and suicide and euthanasia. Classroom material is supplemented by the student's self-exploration and writing on feelings, attitudes, and beliefs about death.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 4422 - PSYCHOLOGY OF WOMEN**

Designed to introduce students to the myriad factors influencing the development of girls and women in a variety of cultures and societies. Areas covered include feminist scholarship and research; gender socialization, women's biology and health; sexuality, relationships and family; and work, career, and power issues. Students taking the course for graduate credit (PSY 5522) are required to complete an independent research project.

**Prerequisites & Notes:** Prerequisite: PSY 1101.

**Credits:** 3 cr.

**PSY 4430 - THEORIES OF PERSONALITY**

Considers major personality theories ranging from psychoanalytic to humanistic and behavioral models. Papers and discussion concentrate on examining merits and limitations of various theories.

**Prerequisites & Notes:** Prerequisites: PSY 1101 and 49 credit hours completed.

**Credits:** 3 cr.

**PSY 4441 - PSYCHOLOGY AND LAW**

Introduces the role of psychologists in the legal system. Assignments examine and evaluate assumptions made by the legal system about psychological and scientific issues. This approach serves as a framework for considering specific psycho-legal issues. Students study issues pertaining to jury trials, the insanity plea, punishment and sentencing issues, the rights of children, and other important questions.

**Prerequisites & Notes:** Prerequisites: PSY 11 01 and 49 credit hours completed.

**Credits:** 3 cr.

### **PSY 4445 - ADVANCED COUNSELING TECHNIQUES**

Provides advanced training in counseling skills for students in the helping professions (nursing, social work, counseling/clinical psychology, criminal justice, etc.). Emphasis placed on diagnosis and treatment of clients requiring long-term intervention. Special emphasis will be placed on diagnosis and treatment of personality disorders.

**Prerequisites & Notes:** Prerequisites: PSY 3391 and 3300 or permission of instructor.

**Credits:** 3 cr.

### **PSY 4460 - PHYSIOLOGICAL PSYCHOLOGY**

Emphasizes physiological aspects of behavior through knowledge of neurological structure and function. Prerequisite PSY 2206 or permission of instructor.

**Credits:** 3 cr.

### **PSY 4460L - PHYSIOLOGICAL PSYCHOLOGY LABORATORY**

Provides a working knowledge of research methodology and skills in psychological investigation. Students design and conduct research under instructor supervision.

**Prerequisites & Notes:** Co-requisite: PSY 4460.

**Credits:** 1 cr.

### **PSY 4462 - BEHAVIOR MODIFICATION**

Provides an introduction to a variety of techniques for altering behavior based on learning principles.

**Prerequisites & Notes:** Prerequisite: PSY 11 01.

**Credits:** 3 cr.

### **PSY 4490 - SENIOR SEMINAR**

In this course senior psychology majors explore their strengths and weaknesses and review the knowledge and skills they have acquired as a psychology major. Students are directed toward understanding how their skill sets and personal preferences may be successfully applied after completion of the B.S. degree (work or graduate school). Additionally, students submit a portfolio of their work while at Mansfield and complete a research-based seminar paper.

**Prerequisites & Notes:** Prerequisite: Senior standing or permission of instructor.

**Credits:** 3 cr.

### **PSY 4495 - INTERNSHIP**

Provides practical experience and beginning professional skills to selected students. This is an internship that will focus on applied skills, community service, or research work in settings appropriate to student's interests and curriculum, including mental health and other human service programs, hospitals, human resource offices, and industrial or governmental agencies. The goal is to relate theoretical learning to practical applications.

**Prerequisites & Notes:** Prerequisite: At least junior standing as a psychology major and approval of department faculty.

**Credits:** 6 - 12 cr. Notes: May be taken for 6 through 12 credits. Letter grades (A-F) will be assigned.

**PSY 4496 - RESEARCH APPRENTICESHIP**

Provides students with intensive experiences in empirical research under close supervision. Qualified students become involved in ongoing research projects, working with experienced researchers. Students are encouraged to serve their apprenticeship at other campuses or institutional settings.

**Credits:** 1 - 15 cr. Notes: May be taken for 1 through 15 credits.

**PSY 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 – 3 credits at one time.

## Regional Planning

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**RPL 1102 - INTRODUCTION TO REGIONAL PLANNING**

Examines regional planning as a tool for shaping the future man-made and natural environment. Introduces man/land relationships that affect community well-being, the tools used by government in managing these relationships for public benefit; and programs, politics, and activities required in recent planning legislation.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**RPL 3342 - LAND-USE POLICY**

An interpretive synthesis of the precepts and concepts of land-use that encourage and discourage geographic patterns on a changing landscape. Familiarizes the student with the economic, social, and political processes that are especially important for planning which is intended to move regions toward a particular goal.

**Prerequisites & Notes:** Prerequisite: RPL 1102.

**Credits:** 3 cr.

**RPL 3380 - PLANNING SEMINAR**

Practical application of techniques learned in previous courses to typical planning problems.

**Credits:** 3 cr.

**RPL 4496 - PLANNING INTERNSHIP**

Provides experience in regional or corporate planning offices to apply knowledge and skills of planning under the supervision of qualified planners. Observations, conferences, and an evaluation is made by the supervisory agency. All internships will be graded S or U – they do not affect your O.P.A.

**Credits:** 3 - 12 cr.

**RPL 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Respiratory Therapy

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### **RTH 1101 - FUNDAMENTALS OF RESPIRATORY CARE**

Examines the scientific principles underlying the safe administration of medical gases and aerosols to patients in the hospital setting.

**Prerequisites & Notes:** Prerequisites: BSC 1121 Anatomy & Physiology I and MA 1128 College Algebra each with a grade of at least "C" and a cumulative grade point average of at least 2.3; Co-requisite: BSC 1122.

**Credits:** 1-3 cr.

### **RTH 1102 - FUNDAMENTALS OF RESPIRATORY CARE II**

Classroom instruction and laboratory practice of fundamental respiratory care assessment and therapeutic procedures. Assessment topics include: chest physical examination, chest x - rays, electrocardiograms, and bedside pulmonary function tests. Therapeutic topics include: oxygen and aerosol therapy, hyperinflation therapies, chest physical therapy, airway management, and cardiopulmonary resuscitation.

**Prerequisites & Notes:** Prerequisites: BSC 1121 Anatomy & Physiology I and MA 1128 College Algebra each with a grade of at least "C" and a cumulative grade point average of at least 2.3; Co-requisite: BSC 1122.

**Credits:** 4 cr.

### **RTH 1111 - PULMONARY FUNCTION TESTING**

This course covers lung function in health and disease. Techniques used to measure lung function are discussed and demonstrated. The student is instructed in the interpretation of pulmonary function tests.

**Prerequisites & Notes:** Prerequisites: BSC 1121. Co-requisite: RTH 1101.

**Credits:** 2 cr.

### **RTH 1112 - ARTERIAL BLOOD GASES**

This course covers the sampling and analysis of arterial blood and the interpretation of test results. Majors only.

**Prerequisites & Notes:** Prerequisites: RTH 1101, BSC 1121, and CHM 1101.

**Credits:** 1 cr.

### **RTH 1199 - CLINICAL PRACTICUM I**

Introduction to the clinical practice of respiratory care. Provides experience in the administration of oxygen, aerosols, hyperinflation therapies, chest physical therapy, and artificial airway care. Examines the fundamentals of arterial blood gas sampling and analysis.

**Prerequisites & Notes:** Prerequisites: BSC 1121 Anatomy & Physiology I and MA 1128 College Algebra each with a grade of at least "C" and a cumulative grade point average of at least 2.3; Co-requisite BSC 1122.

**Credits:** 2 cr.

### **RTH 2200 - CLINICAL PRACTICUM II**

Designed to achieve competence in the administration of routine respiratory therapy modalities and competence in arterial blood gas sampling and analysis. Students will accompany pulmonary physicians on patient rounds and rotate through other clinical areas of the hospital.

**Prerequisites & Notes:** Prerequisite: RTH 1102 and 1199.

**Credits:** 5 cr.

**RTH 2204 - PHARMACOLOGY**

Examines the action and uses of pharmacologic agents. Emphasis is on drugs used in the diagnosis and treatment of cardiac and pulmonary disease, and includes the calculation of dosages and solutions.

**Credits:** 2 cr.

**RTH 2207 - PULMONARY DISEASE**

Introduction to common pulmonary disorders and their management. Topics include chronic obstructive pulmonary disease, restrictive pulmonary disorders, infectious pulmonary disease, pulmonary vascular disease, pulmonary pathology due to trauma, neonatal cardiopulmonary disease, and pediatric pulmonary disease.

**Prerequisites & Notes:** Prerequisite: BSC 1122.

**Credits:** 2 cr.

**RTH 2208 - PERINATAL/PEDIATRIC RESPIRATORY CARE**

Examines respiratory physiology and pathophysiology relevant to the newborn and pediatric patient. The principles, techniques, and equipment relied upon in providing respiratory care to this age group are identified and demonstrated.

**Prerequisites & Notes:** Prerequisite: RTH 1102.

**Credits:** 2 cr.

**RTH 2209 - CLINICAL PRACTICUM III**

Application of respiratory care to the patient in the critical care unit. Emphasis is on the management of adult and pediatric patients requiring mechanical support of ventilation.

**Prerequisites & Notes:** Prerequisite: RTH 2200. Co-requisite: RTH 2211.

**Credits:** 3 cr.

**RTH 2210 - CLINICAL PRACTICUM IV**

Continuation of RTH 2209. Designed to achieve competence in the performance of all critical care procedures performed by the respiratory therapists.

**Prerequisites & Notes:** Prerequisite: RTH 2209. Co-requisite: RTH 2212.

**Credits:** 5 cr.

**RTH 2211 - MECHANICAL VENTILATION**

Classroom instruction and laboratory practice in the management of patients requiring continuous mechanical support of ventilation.

**Prerequisites & Notes:** Prerequisite: RTH 1102.

**Credits:** 4 cr.

**RTH 2212 - ADVANCED CARDIOPULMONARY CARE**

Examines cardiovascular problems, advanced cardiopulmonary monitoring techniques, special procedures, pulmonary rehabilitation, and home care.

**Prerequisites & Notes:** Prerequisite: RTH 2211.

**Credits:** 3 cr.

## Russian Studies

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### **RUS 1101 - INTRODUCTORY RUSSIAN I**

Oral alphabet drill, written alphabet drill, study of specific letters and sounds, pronunciation and orthography, personal pronouns, present tense, first conjugation verbs, accusative of personal pronoun questions, indirect questions and negation, present tense, second conjugation verbs, reflexive verbs, gender of nouns, accusative of nouns (direct objects), verbs of going, months and years with numbers, prepositional case of nouns, possessive pronouns/adjectives.

**Prerequisites & Notes:** Prerequisite: proven foreign language ability.

**Credits:** 3 cr.

### **RUS 1102 - INTRODUCTORY RUSSIAN II**

Dative case of pronouns, double negatives, conjunctions. Noun plurals, stress shift in plurals, geographical information, expressions with dative, demonstrative pronouns, adjectives, superlative degree, past tense, future tense, accusative of adjectives/possessive pronouns, relative pronouns, partitive genitive, instrumental case with prepositions.

**Prerequisites & Notes:** Prerequisite: RUS 11 01.

**Credits:** 3 cr.

### **RUS 2201 - INTERMEDIATE RUSSIAN I**

The perfective and imperfective aspect of verbs, dates and the negative case, dative case of nouns, adjectives and pronouns, instrumental case without prepositions, relative pronouns, partitive genitive, passive voice, instrumental case with prepositions, masculine nouns with stressed endings, genitive plural, adjectives modified by numbers, dative, instrumental and prepositional plural, indefinite pronouns, adjectives and adverbs, comparative degree of adjectives and adverbs, reading of simple texts.

**Prerequisites & Notes:** Prerequisite: RUS 11 01 and 11 02 or equivalent.

**Credits:** 3 cr.

### **RUS 2202 - INTERMEDIATE RUSSIAN II**

Conditional, subjunctive mood, verbs of going, running, taking, bringing, carrying, leading, prefixed verbs of motion, additional information about perfective/imperfective verbs, verbal adverbs, declension of last names, participles: present active, past active, present passive, past passive, review of semesters and previous grammar, further reading of simple Russian texts.

**Prerequisites & Notes:** Prerequisite: RUS 1101 and 1102 or equivalent.

**Credits:** 3 cr.

### **RUS 3370 - FOREIGN STUDY - CREDIT ARRANGED**

Open to students who wish to study abroad. Plans for foreign study should be presented at least one semester prior to departure. Number of credits granted will be based upon validated credentials presented to the department. The student should register for RUS 33 70-3380 prior to departure. Students should consult the regulations for study-abroad available in the Office of the Provost/Vice President for Academic Affairs.

**Credits:** 1 - 3 cr.

**RUS 3371 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3372 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3373 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3374 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3375 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3376 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3377 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3378 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3379 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

**RUS 3380 - FOREIGN STUDY - CREDIT ARRANGED**

See RUS 3370 for course description.

**Credits:** 1 - 3 cr.

## Science

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**SCI 1104 - FORENSIC SCIENCE**

Forensic science is the application of science to law. this course will study the collection and identification of materials used as evidence. This will include an understanding of their physical and chemical nature and origins at the crime scene. Further, the student will utilize the collected evidence to suggest scenarios for crime scenes.

**Credits:** 3 cr. Variable Credits: [2, 0, 2] General Education Requirement: May satisfy General Education requirements

**SCI 1107 - PHYSICAL SCIENCE I**

An introduction to astronomy, forces and motion, and energy. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors.

**Credits:** 3 cr. Variable Credits: [2, 0, 2] General Education Requirement: May satisfy General Education requirements

**SCI 1108 - PHYSICAL SCIENCE II**

An introduction to the atom, chemistry, electricity and magnetism, sound, and light. Students will often construct laboratory apparatus from readily available sources to make physical measurements. This general education course is particularly suitable for elementary education majors.

**Credits:** 3 cr. Variable Credits: [2, 0, 2] General Education Requirement: May satisfy General Education requirements

**SCI 3270 - NANOTECH LAB EXPERIENCE**

An intensive nanotechnology laboratory experience. Topics covered include: material safety and equipment; basic nanotechnology processes; thin film deposition; lithography; materials modification; and device characterization, packaging, and testing. Permission of Nanotechnology Coordinator required.

**Credits:** 18 cr.

**SCI 4400 - SPECIAL TOPICS IN SCIENCE EDUCATION**

This is a course for one to three credits for practicing teachers and for graduate and undergraduate students who are enrolled in education programs. The course may focus on one or more physical science topics, but content, activities, and methods will be treated with equal importance for a variety of classroom settings. The information, ideas, and activities obtained will be timely and useful to teachers in their classrooms.

**Credits:** 1 - 3 cr. Variable Credits: [Variable]

## Sociology

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**SOC 1101 - INTRODUCTION TO SOCIOLOGY**

Introduction to the basic concepts, premises, and techniques involved in the scientific approach to the study of human societies. Analysis is made of selected aspects of social behavior at interpersonal, intergroup, and societal levels. Global perspectives are explored.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 1121 - CONTEMPORARY SOCIAL PROBLEMS**

A survey of the major problems in contemporary society with special attention to the major paradigms (conflict, functionalist, interactionist) that are used to interpret the formation of social policy and social movement. Special focus is on social and economic justice and populations at risk globally and locally.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements



**SOC 2200 - AMERICAN MINORITIES**

An investigation of the individual and group processes by which the U. S. has been peopled and of the resulting racial, religious, and ethnic communities. Consideration will be given to the similarities and differences in the values and experiences of a variety of groups and to the relative strength of tendencies toward assimilation and toward preservation of distinguishing characteristics.

**Credits:** 3 cr.

**SOC 2203 - TELEPHONE SURVEY RESEARCH**

Provides training in applied social research. Students are directly involved in constructing an interview schedule, selecting a sample, conducting telephone interviews, coding and analyzing data, and writing a report.

**Prerequisites & Notes:** Prerequisite: SOC 1101, PSY 11 01 or ANH 11 01.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 2232 - AMERICAN FAMILY SYSTEMS**

An examination of the diversity of marriage and family life in American society as reflected in changing social conditions and social policies. Focus is given to social and economic justice and populations at risk, including the identification and function of values, norms, and codes relevant to marriage and family decision making.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 2260 - SOCIAL STRATIFICATION**

This general education course provides an introduction to the study of social stratification in the United States of America and around the world. Students will investigate the dimensions of inequality among social positions analyze the means by which individuals, groups and countries attain unequal rank, and critique theories of this intersection of class, race, gender and country. Explores the problems associated with theorizing about and measuring social class.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 3280 - SOCIOLOGY OF DEVIANT BEHAVIOR**

Explores sociological theories and research on deviant behavior. Emphasis is on understanding the social construction of what is considered deviance in society, the social patterns behind deviant behavior within society, and how deviance is a necessary part of society. Major and minor forms of deviant behavior will be explored using these perspectives.

**Credits:** 3 cr.

**SOC 3300 - MEN IN SOCIETY**

Survey and analysis of traditional male sex-roles, as well as the evolution of new societal definitions of masculinity and the 'New' Men's Movement. Male/male and male/female relationships and communication are also critiqued and evaluated. The emphasis throughout is upon student application of critical thinking skills to appropriate written and media sources of sociological information.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 3301 - ORGANIZATIONAL BEHAVIOR**

Overview of the major concepts, theories, and research findings in the field of organizational behavior. Examines the sociological analysis of organizations in modern society, the social dimensions of high performance organizations, and how to direct and lead individuals, groups and organizations.

**Credits:** 3 cr.

**SOC 3305 - SOCIOLOGY OF RELIGION**

Analysis of the interrelationships between religion and other aspects of society, particularly with reference to the problems of order and change.

**Credits:** 3 cr.

**SOC 3306 - INTERRACIAL SEMINAR**

Seminar introduces students to those sociological concepts relevant to race relations to facilitate interracial communication, to provide interracial understanding, and to encourage appreciation of cultural pluralism.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 3307 - SOCIAL RESEARCH I: RESEARCH DESIGN DATA COLLECTION**

Examines the basic relationship of research with social theory, the challenges of defining a problem for study, the selection of an appropriate sample, and the challenges faced in using various techniques to collect data from a sample. Careful consideration is given to the ethical issues that arise in the conduct of research.

**Credits:** 3 cr.

**SOC 3308 - SOCIAL RESEARCH II: ANALYSIS, INTERPRETATION, AND APPLICATIONS**

Covers how social scientists handle quantitative data. Reviews the scientific method, causality, the types of variables encountered in social research, and how data informs social theory. The focus is on learning basic techniques for describing social science data and testing for relationships between variables. Includes training in statistical software package and student-driven applied research projects; thus previous training in statistics strongly recommended.

**Credits:** 3 cr.

**SOC 3322 - SOCIOLOGY OF AGING**

Analyzes the influence of social interaction upon the process, stages, and problems of aging, particularly of older age. Student-conducted oral history is utilized not only as a catalyst for intergenerational understanding and respect, but also as a therapeutic social work technique designed to enhance the self-image of older people by having them look back over their personal histories and through that process help them to meet the human need to attain a self-appreciation of the validity and significance of their lives.

**Prerequisites & Notes:** Dual listed with 5522.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 3336 - POLITICAL SOCIOLOGY**

Covers the intersection of sociology and politics. Investigates the development of policy issues, people's reactions and responses to them, and resolution of the issues in the public arena. Focuses on the dynamics of power and influence in the social relations: who has power, who does not, and why.

**Credits:** 3 cr.

**SOC 3340 - VISUAL SOCIOLOGY**

Explores social relations with the camera. Examines the use of photographs as tools of inquiry, documentation, and data for social analysis. Studies problems related to cultural features affecting visual perception and reportage.

**Credits:** 3 cr.

**SOC 3350 - SELECTED TOPICS SEMINAR**

Review of a specialty area in anthropology, sociology or the study of a problem from an interdisciplinary position.

**Prerequisites & Notes:** Prerequisite: Upper division standing and permission of instructor.

**Credits:** 1 - 6 cr. Notes: May be taken for one through six credits.

**SOC 3357 - SOCIOLOGY OF EDUCATION**

This course is designed to introduce students to the major sociological theories and research in the area of education. Students will examine the history and structure of education in the U.S. and how the U.S. compares with other countries. Understanding who makes it and who doesn't in the U.S. education system and why, is the major focus of the course.

**Credits:** 3 cr.

**SOC 3360 - SOCIOLOGY OF MEDICINE**

This course includes the sociological study of physical health and illness, therapy, rehabilitation, and the organization of health care systems in the United States. It examines help-seeking behaviors, utilization of health care services, issues of bioethics, and the roles of health care service providers all from the sociological perspective. Race, class, and gender stratification within the health care system will also be explored.

**Prerequisites & Notes:** Prerequisite: SOC 1101.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 4415 - AMERICAN VALUES IN CONFLICT**

Analyzes American values and values conflicts from a sociological perspective, placing such values and conflicts within a context of ideological orientation, ethnic/racial and social class diversity, group interaction, socio-cultural change, and societal policy.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

**SOC 4441 - ORGANIZATIONAL INTERNSHIP**

Provides experience in the regular activities of a business, government agency, or social service organization. Students will prepare an analysis of the organization's role system and its real or potential area of stress.

**Prerequisites & Notes:** Prerequisite: Permission of instructor; SOC 3301 strongly recommended.

**Credits:** 6 - 15 cr. Notes: May be taken for six through fifteen credits.

**SOC 4480 - SOCIOLOGICAL THEORY**

An examination of classical and contemporary sociological theorists: Karl Marx, Max Weber, Emile Durkheim, C. Wright Mills, Erving Goffman and Amitai Etzioni. Each theoretical perspective is critically reviewed.

**Prerequisites & Notes:** Prerequisite: Twelve semester hours of Sociology courses or instructor approval.

**Credits:** 3 cr.

**SOC 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. **Notes:** May be taken for one, two or three credits at one time.

## Spanish

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**SPA 1101 - INTRODUCTORY SPANISH I**

For students who have not previously studied Spanish. Fundamentals of grammar, intensive drill in pronunciation, comprehension, and speaking. Two hours language laboratory required weekly.

**Credits:** 3 cr.

**SPA 1102 - INTRODUCTORY SPANISH II**

Continuation of 1101, two hour language laboratory weekly.

**Prerequisites & Notes:** Prerequisite: SPA 11 01 or equivalent.

**Credits:** 3 cr.

**SPA 2201 - INTERMEDIATE SPANISH I**

Continuation of 1102, grammar review.

**Prerequisites & Notes:** Prerequisite: SPA 11 02 or equivalent.

**Credits:** 3 cr.

**SPA 2202 - INTERMEDIATE SPANISH II**

Continuation of 2201.

**Prerequisites & Notes:** Prerequisite: SPA 2201 or equivalent.

**Credits:** 3 cr.

**SPA 2205 - PHONETICS AND PRONUNCIATION**

A study of the speech organs, place and manner of articulation of Spanish phonemes and their phonetic realizations, along with extensive practice exercise on pronunciation, intonation, stress and sentence rhythm. The numerous changes occurring in connected and rapid speech will be studied as well. Students will also be introduced to some Spanish dialects and regional pronunciation patterns.

**Prerequisites & Notes:** Prerequisites: SPA 1102 or equivalent; SPA 2201 or higher is preferred.

**Credits:** 3 cr.

**SPA 2225 - SPANISH GRAMMAR REVIEW**

SPA 2224 is a transition course between the intermediate and advanced level Spanish courses. It provides intensive Spanish grammar review and practice. It emphasizes the foundations of grammar and their expression in conversation, writing, and reading. In this course, students will increase their grammatical competency and command, as well as, work towards developing a more complex grammatical expression.

**Prerequisites & Notes:** Prerequisites: SPA 2201, SPA 2202, or permission of instructor.

**Credits:** 3 cr.

**SPA 3300 - SPANISH CONVERSATION**

Practice in oral self-expression and comprehension. Selected topics assigned for each class.

**Prerequisites & Notes:** Prerequisite: SPA 2202 or permission of instructor.

**Credits:** 3 cr.

**SPA 3301 - CONVERSATION AND CONTEMPORARY ISSUES**

SPA 3301 is an upper level conversation course designed to move students from intermediate to advanced level oral proficiency. All class activities will focus on contemporary Hispanic issues and will consist of individual/group presentations, debate, and discussion.

**Prerequisites & Notes:** Prerequisites: SPA 2201, SPA 2202, or permission of instructor.

**Credits:** 3 cr.

**SPA 3306 - THE CULTURE AND CIVILIZATION OF SPAIN**

Examines the history of customs and institutions of Spain. Emphasizes the effect of history on general culture and customs of present-day Spain.

**Prerequisites & Notes:** Prerequisite: SPA 2202 or equivalent.

**Credits:** 3 cr.

**SPA 3307 - THE CULTURE AND CIVILIZATION OF LATIN AMERICA**

Studies the history, customs and politics of Latin America. Emphasizes general characteristics: race, religion, life style, etc.

**Prerequisites & Notes:** Prerequisite: SPA 2202 or equivalent.

**Credits:** 3 cr.

**SPA 3310 - INTRODUCTION TO LITERARY STUDIES**

SPA 3310 is an introductory course in literary studies. In this course, students will read a diverse but representative collection of short Peninsular and Latin American literary texts, concentrating on their form, creation, context, and meaning. As a result, students will develop better reading, critical thinking, and evaluative skills.

**Prerequisites & Notes:** Prerequisites: SPA 2202, or permission of the instructor.

**Credits:** 3 cr.

**SPA 3320 - ADVANCED SPANISH STRUCTURE**

Study and application of Spanish structural patterns; emphasizes syntax.

**Prerequisites & Notes:** Prerequisite: SPA 2202 or equivalent.

**Credits:** 3 cr.

**SPA 3351 - TOPICS IN THE LITERATURE OF SPAIN**

SPA 3351 is a Peninsular Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular era, writer, genre, or Peninsular literary phenomena. Some examples might include: The Medieval Text, Golden Age Theater, Cervantes, Becquer, The Realist versus Surrealist Text, The Works of Garcia Lorca, Literature of Exile, Feminist Voices in Spanish Literature, New Theater, or Avant-garde Movements.

**Prerequisites & Notes:** Prerequisites: SPA 3310 or permission of the instructor.

**Credits:** 3 cr.

**SPA 3360 - TOPICS IN THE LITERATURE OF LATIN AMERICA**

SPA 3360 is a Latin American Literature course designed to enhance and refine the introductory literary skills gained in SPA 3310. As a topics course it will vary each semester in thematic focus. Nevertheless, one can expect to study in detail a particular area, writer, genre, or Latin American literary phenomena. Some examples might include: Latin American Parody, Journalism and Art Criticism in Latin America, the Avant-garde, Latin American Children's Literature, Feminist Voices in Latin American Literature, or Experimental Urban Theater.

**Prerequisites & Notes:** Prerequisites: SPA 3310 or permission of the instructor.

**Credits:** 3 cr.

**SPA 3370 - FOREIGN STUDY - CREDIT ARRANGED**

Open to students who wish to continue the study of Spanish abroad. Plans for foreign study should be presented at least one semester prior to departure and should be approved by the department chairperson. Number of credits granted will be based upon validated credentials presented to the department. The student should register for SPA 3370-3380 prior to departure. Students should consult the regulations for study-abroad available in the Office of the Provost/Vice President for Academic Affairs.

**Credits:** 1 - 3 cr.

**SPA 3371 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3372 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3373 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3374 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3375 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3376 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3377 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3378 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3379 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 3380 - FOREIGN STUDY - CREDIT ARRANGED**

See SPA 3370 for course description.

**Credits:** 1 - 3 cr.

**SPA 4400 - SENIOR SEMINAR**

Selected topics in Spanish and Latin American Literature.

**Credits:** 2 cr.

**SPA 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Special Education

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**SPE 1101 - INTRODUCTION TO SPECIAL EDUCATION**

Examines the nature and need of persons who are exceptional in emotional, social, physical, and intellectual development, including the gifted and talented. Discussions will include career opportunities, social issues, current trends in Special Education, rehabilitation and related settings. Observation in Special Education settings will be available.

**Credits:** 3 cr.

**SPE 3270 - MENTALLY AND PHYSICALLY DISABLED**

Introduction to etiology, characteristics, education, management, and laws pertaining to children and adults with mental and physical disabilities.

**Prerequisites & Notes:** Prerequisite: SPE 1101 or permission of instructor.

**Credits:** 3 cr.

**SPE 3275 - INCLUSION OF DIVERSE LEARNERS**

This course is designed to prepare teacher candidates to teach in schools which are becoming diverse. Issues, which include gender, social class, race, ethnicity, disabilities and religion, will be discussed. The teacher candidate will develop skills in teaching pedagogy, assessment curriculum development and teacher student relationships.

**Credits:** 3 cr.

**SPE 3280 - CHILDREN IN NEED OF EMOTIONAL SUPPORT**

Examines the etiology of emotional disturbance with concentration on the characteristics, diagnostic procedures, therapy, educational strategies, instructional materials, and relevant research in relation to the education of emotional/behavioral disturbance. Includes observation and child study experience.

**Credits:** 3 cr.

**SPE 3290 - LEARNING DISABILITIES**

Introduction to the definition, identification, etiology, and epidemiology of learning disabilities with a particular emphasis on methods of differential diagnosis and educational procedure. Remediation strategies, classroom management, and research will be studied.

**Credits:** 3 cr.

**SPE 3300 - CURRICULUM DEVELOPMENT & ADJUSTMENT**

Examines curriculum development, adjustments, methods, and materials in Special Education. Studies IEP goals, school organization, grouping, planning unit instruction, teaching-learning process, evaluating pupil progress, and parent and other agency relationships.

**Prerequisites & Notes:** Prerequisite: SPE 3270 or permission of instructor.

**Credits:** 3 cr.

**SPE 3320 - GIFTED AND TALENTED**

Considers the characteristics of the gifted and talented. Introduces teaching procedures, program types, curriculum materials, and research.

**Credits:** 3 cr.

**SPE 3322 - STRATEGIES FOR ADOLESCENTS WITH MILD DISABILITIES**

A study of cognitive and metacognitive strategies with emphasis on how to assess, plan, design, and implement strategies for adolescent students with mild disabilities, and implement strategies for adolescent students with mild disabilities. Strategy instruction will include the areas of reading, writing, mathematics, study skills, social skills, transition, and employment.

**Credits:** 3 cr.

**SPE 3330 - CULTURAL DIVERSITY IN SPECIAL EDUCATION**

Studies the definitions, causes, characteristics, and education of children and youth from multi cultural environments. Considers problems in social-psychological context with implications for programs of improvement and research.

**Credits:** 3 cr.

**SPE 3351 - BEHAVIOR MANAGEMENT**

Studies the implications of behavior theory as classroom teaching techniques. Conditioning of both academic skills and non-academic behaviors on an individual and group is stressed. Direct experience in modifying the behavior of exceptional children will be arranged.

**Credits:** 3 cr.

**SPE 3370 - EARLY CHILDHOOD DISABILITIES**

Examines the nature, needs, and education of young children with disabilities in infant-toddler, preschool, and primary programs. Emphasis will be on identification, multi-disciplinary educational planning, parent counseling, agencies, and services. Coverage will include special classes, resource rooms, and mainstream education including curriculum, methods, and materials plus the roles of other professionals. Observations and child studies are required.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 3 cr.



**SPE 3380 - ASSESSMENT IN SPECIAL EDUCATION**

Provides students with the skills necessary to diagnose and correct learning problems. Special attention is given to considerations related to the selection of appropriate formal tests (e.g., test bias). Selective diagnostic instruments are examined.

**Prerequisites & Notes:** Prerequisite: SPE 1101.

**Credits:** 3 cr.

**SPE 3390 - METHODS FOR INDIVIDUALS WITH MILD DISABILITIES**

Provides organizational procedures, curriculum practices, methods and techniques used in educating mildly handicapped students K-12 in need of academic learning support. Emphasis is on direct teaching, collaborative practices, transitional planning, and curriculum adaptation.

**Prerequisites & Notes:** Prerequisite: SPE 1101 and SPE 3300.

**Credits:** 3 cr.

**SPE 3391 - THE EXCEPTIONAL PERSON IN THE UNITED STATES AND EUROPE - A COMPARATIVE**

Designed to provide a comparative study of the U.S. and Europe of the care, treatment, and rehabilitation of exceptional persons from birth through adulthood. Study involves contact with families of exceptional individuals and professionals providing services on both continents.

**Credits:** 3 cr.

**SPE 4400 - STUDENT TEACHING**

(By arrangement). Opportunity to apply knowledge and skills acquired in professional preparation. Accomplished by a field experience under the supervision of master teachers in two different special classes in university established centers. Observations and conferences are scheduled by the departmental supervisor.

**Credits:** 12 cr.

**SPE 4420 - OBSERVATION AND PARTICIPATION - SPECIAL ED**

Observation and participation in classroom setting. Emphasizing teaching/learning process, selecting, organizing, and presenting lessons and materials. Projects and demonstrations required.

**Prerequisites & Notes:** Prerequisite: SPE-1101; Co-requisites: SPE-3351, ELE-3383, ELE-3384

**Credits:** 3 cr.

**SPE 4430 - TECHNOLOGY IN SPECIAL EDUCATION**

Introduction and overview of the possibilities provided by microcomputers in assisting the exceptional learner. Provides initial skill and knowledge in using the microcomputer. Exposure will be made to available resources, selection and evaluation of course ware, adaptive devices, curriculum, correlation, and classroom integration.

**Credits:** 3 cr.

**SPE 4440 - METHODS FOR INDIVIDUALS WITH MODERATE/SEVERE DISABILITIES**

Study of the nature and needs of school age children with moderate and severe handicapping conditions that include cognitive, health and/or physical impairments. Focus is on the educational and vocational needs of these children from a content base

which includes identification, assessment, and remediation practices which are coupled with supportive measures, materials, and techniques. The use of instructional adaptations such as assistive technology will be stressed.

**Prerequisites & Notes:** Prerequisite: SPE 11 01 and SPE 3300.

**Credits:** 3 cr.

**SPE 4450 - INTERNSHIP**

A supervised field experience in a professional setting serving individuals with disabilities.

**Credits:** 12 cr.

**SPE 4460 - PROFESSIONAL SEMINAR**

Designed to develop and refine the professional competencies of the special education major prior to the field experience and/or accepting a professional position. Coverage includes general orientation to the profession, current issues, school organization and administration, techniques for seeking a professional position, the scope of the field of special education, and professional responsibilities.

**Credits:** 2 cr.

**SPE 4480 - SPECIAL EDUCATION WORKSHOPS**

Special workshop/seminars focusing on contemporary trends, topics, and problems in the field of special education.

**Credits:** 1 - 6 cr. Notes: May be taken for one through six credits.

**SPE 4481 - SPECIAL EDUCATION WORKSHOPS**

See SPE 4480 for course description.

**Credits:** 1 - 6 cr.

**SPE 4482 - SPECIAL EDUCATION WORKSHOPS**

See SPE 4480 for course description.

**Credits:** 1 - 6 cr.

**SPE 4483 - SPECIAL EDUCATION WORKSHOPS**

See SPE 4480 for course description.

**Credits:** 1 - 6 cr.

**SPE 4484 - SPECIAL EDUCATION WORKSHOPS**

See SPE 4480 for course description.

**Credits:** 1 - 6 cr.

**SPE 4485 - SPECIAL EDUCATION WORKSHOPS**

See SPE 4480 for course description.

**Credits:** 1 - 6 cr.

**SPE 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Social Work

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### **SWK 1101 - HUMAN SERVICES**

Introduces students to the field of Human Services. Examines the multiple disciplines involved in Human Services with a focus on the social work profession. Familiarizes students with the history of social work, the various professional roles, and the emergent issues, strengths, needs and trends that affect both the private and public sectors involved in Human Services.

**Credits:** 3 cr.

### **SWK 2201 - AFRICAN-AMERICANS: AN INCLUSIVE VIEW**

Provides an opportunity for students to gain an awareness and understanding of the important contributions to society made throughout history by persons of color.

**Credits:** 3 cr.

### **SWK 2247 - SOCIAL WORK PROGRAM ORIENTATION**

Acquaints students with the demands of professional social work education. Examines the structure of the social work program in relationship to the required curriculum designed to prepare students for beginning generalist social work practice.

**Credits:** 1 cr.

### **SWK 2248 - SOCIAL WORK VALUES AND ETHICS**

Integrates content about values and principles of ethical decision making as presented in the National Association of Social Workers' Code of Ethics. Provides students with the opportunity to be aware of personal values and to analyze ethical dilemmas and the ways in which these affect practice, services, and clients.

**Credits:** 1 cr.

### **SWK 2249 - PROFESSIONAL COMMUNICATION SKILLS**

Familiarizes students with the use of communication skills in professional social work, including written, verbal, and non-verbal communication. Exposes students to APA style writing, library resources, and an introduction to verbal and non-verbal communication with clients. Requires the completion of an early field education experience.

**Credits:** 1 cr.

### **SWK 2251 - INTRODUCTION TO SOCIAL WORK**

Introduces students to the profession of Social Work. Provides an overview of social work by familiarizing the students with a generalist perspective and includes issues such as diversity, populations at risk, and the values and ethics of the profession. Examines the history of the profession, social welfare policies, economic justice, and human behavior theories that are related to social work practice.

**Credits:** 3 cr.

### **SWK 3300 - HUMAN BEHAVIOR AND THE SOCIAL ENVIRONMENT**

Focuses on the reciprocal relationships between human behavior and social environments. Includes empirically based theories and knowledge that focus on the interactions between and among individuals, groups, societies, and economic systems. Includes theories and knowledge of biological, sociological, cultural, psychological, and spiritual development across the life span; the range of social systems in which people

live (individual, family, group, organizational, and community); and the ways social systems promote or deter people in maintaining or achieving health and well-being.

**Credits:** 3 cr.

### **SWK 3308 - EVALUATION RESEARCH**

Provides an understanding of a scientific, analytic, and ethical approach to building knowledge for social work practice through qualitative and quantitative research content. Prepares students to develop, use, and effectively communicate empirically based knowledge and critical thinking skills, including evidence-based interventions.

**Credits:** 3 cr.

### **SWK 3315 - EVOLUTION OF SOCIAL WELFARE IN AMERICA**

Analyzes the history and evolution of social welfare services, the history of social work and major policies that form the foundation of social welfare. Includes the impact of social welfare on populations at risk and examines factors that contribute to and constitute being at risk. Provides knowledge of distributive justice, human and civil rights, and the global interconnections of oppression.

**Credits:** 3 cr.

### **SWK 3320 - GERONTOLOGY**

Provides students from a variety of careers (such as social work and psychology) with an introduction to gerontology. Emphasizes a person-in-environment perspective to interacting with older persons and includes a practice-based component. Provides an opportunity for students to practice interaction skills with older persons. Offers current implications of aging in our complex, and increasingly older, modern society.

**Prerequisites & Notes:** Prerequisite: SOC 1101.

**Credits:** 3 cr.

### **SWK 3321 - CHILD WELFARE**

Introduces students to the field of child welfare in social work. Students will explore issues affecting the lives of children in the United States and current services developed to meet children's needs. The course is taught from a systems, strengths-based perspective.

**Credits:** 3 cr.

### **SWK 3330 - SOCIAL POLICY**

Provides knowledge and skills to understand major social policies that form the current structure of social welfare services and the role of policy in service delivery, social work practice and attainment of individual and social well-being. Analyzes and researches organizational, local, state, national, and international issues in social welfare policy and social service delivery. Prepares students to influence, formulate and advocate for policy, consistent with social work values, as a means of alleviating poverty, oppression and other forms of social and economic injustice.

**Credits:** 3 cr.

### **SWK 3350 - SOCIAL WORK PRACTICE WITH SMALL GROUPS**

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with GROUPS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions

designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

**Prerequisites & Notes:** Prerequisite: Social work candidacy.

**Credits:** 3 cr.

### **SWK 3351 - SOCIAL WORK PRACTICE WITH COMMUNITIES AND ORGANIZATIONS**

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with COMMUNITIES AND ORGANIZATIONS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

**Prerequisites & Notes:** Prerequisite: Social work candidacy.

**Credits:** 3 cr.

### **SWK 3352 - SOCIAL WORK PRACTICE WITH FAMILIES**

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with FAMILIES, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

**Prerequisites & Notes:** Prerequisite: Social work candidacy.

**Credits:** 3 cr.

### **SWK 3353 - SOCIAL WORK PRACTICE WITH INDIVIDUALS**

Focuses on ethical practice content that encompasses values, knowledge, and skills to work with INDIVIDUALS, including engaging clients in an appropriate working relationship; identifying needs, resources, and assets; collecting and assessing information; evaluating program outcomes and practice effectiveness; and planning for service delivery. Includes content on identifying, analyzing, and implementing empirically based interventions designed to achieve client goals, through the use of communication skills, supervision, and consultation. Emphasizes strengths, capacities, and resources of client systems, especially those populations at risk, in relation to their broader environments. Promotes strategies for effective practice with persons from diverse backgrounds and considers technological advances.

**Prerequisites & Notes:** Prerequisite: Social work candidacy.

**Credits:** 3 cr.

**SWK 4452 - FIELD EDUCATION**

Provides a 500 hour supervised field placement in an agency setting. Field Education reinforces students' identification with the purposes, values, and ethics of the profession, fosters the integration of empirical and practice-based knowledge, and promotes the development of professional competence for generalist social work practice.

**Prerequisites & Notes:** Prerequisites: Completion of all SWK major required courses with the exception of SWK 4453, and the acceptance of the Field Education Application by the Faculty Evaluation Committee. Co-requisite: SWK 4453.

**Credits:** 12 cr.

**SWK 4453 - FIELD SEMINAR**

Taken concurrently with SWK 4452, this seminar integrates the field experience with the knowledge, values, ethics, and skills of the social work profession for competent generalist practice. Prepares students for active participation in the process of supervision and addresses issues of diversity, populations at risk, and social and economic justice.

**Prerequisites & Notes:** Co-requisite: SWK 4452.

**Credits:** 3 cr.

**SWK 4454 - EMPLOYMENT COUNSELING**

Introduction to the field of employment services. Examines techniques involved in assessing individual skills and job requirements, as well as, sources of manpower information and forecasting. Covers theories of job selection and career development. Attention is given to the special problems of individuals undergoing retraining or rehabilitation, physically handicapped, and those having limited skills potential.

**Credits:** 3 cr.

**SWK 4457 - INTERNATIONAL SOCIAL WORK**

Provides an international perspective for examining the values, concepts, and practices of the social work profession. Introduces knowledge of the cultural, social, economic, and political forces that constitute international communities out of which social problems emerge and from which must be drawn resources for providing social services and solving problems.

**Credits:** 3 cr.

**SWK 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for one, two or three credits at one time.

## Theater

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**THT 1110 - INTRODUCTION TO THEATER**

Survey of drama and the art and craft of the theater. Content doesn't necessarily include practice in applied theater.

**Credits:** 3 cr.

**THT 2210 - STAGECRAFT**

Examines principles, procedures, and techniques of theatrical production including: background organization and planning, construction, painting, rigging, and operation of scenic elements, and the use and operation of lighting equipment. The laboratories are connected with the department's productions.

**Credits:** 3 cr.

**THT 2212 - FUNDAMENTALS OF ACTING I**

Introduces basic techniques and methods of acting. Designed for the beginning actor. No previous acting experience is necessary.

**Credits:** 3 cr.

**THT 2213 - FUNDAMENTALS OF ACTING II**

Continuation of 2212. Emphasis is on scene study, rehearsal, and performance techniques.

**Prerequisites & Notes:** Prerequisite: THT 2212 and permission of instructor.

**Credits:** 3 cr.

**THT 2214 - MAKE-UP**

Designed to familiarize the student with the basic principles and technique of stage make-up, the various types of make-up and how to apply it in order to enhance a dramatic characterization.

**Credits:** 3 cr.

**THT 3300 - ADVANCED ACTING I**

Advanced course in the methods and presentations of acting styles, from the ancient Greeks to Shakespeare. Particular emphasis will be placed on performance.

**Prerequisites & Notes:** Prerequisite: THT 2212 and 2213.

**Credits:** 3 cr.

**THT 3301 - ADVANCED ACTING II**

Continuation of 3300. Covers Restoration to the Modern Theater.

**Credits:** 3 cr.

**THT 3305 - THEATER HISTORY I**

The development of the theater from its primitive origins to the Renaissance. Western and Non-Western forms will be examined.

**Credits:** 3 cr.

**THT 3306 - THEATER HISTORY II**

The development of the theater from the Renaissance to the present. Western and Non-western forms will be examined.

**Credits:** 3 cr.

**THT 3310 - FUNDAMENTALS OF DIRECTING**

Basic principles and procedures of directing a play. Includes directing or workshop scenes and a one-act play presented to a public audience.

**Prerequisites & Notes:** Prerequisite: THT 2210, 2212, 3305, 3306, and permission of instructor.

**Credits:** 3 cr.

**THT 3312 - STAGE LIGHTING**

The history and basic techniques of lighting for the stage. Lighting designs and control are stressed. Includes participation in lighting major productions.

**Prerequisites & Notes:** Prerequisite: THT 2210.

**Credits:** 3 cr.

**THT 3313 - SCENE DESIGN**

Study and practice in the principles and techniques of scenic design in the modern theater. Emphasis is on knowledge and sense of the theater and the relationship of the contribution of the scenic designer with those of the actor, director, and playwright.

**Prerequisites & Notes:** Prerequisite: THT 2210, 3317 or permission of instructor.

**Credits:** 3 cr.

**THT 3314 - PLAY PRODUCTION PRACTICES**

Concentrates on the various aspects of theater production from script to performance. An intensive experience in theatrical production for public performance. Synthesis of acting, design, technical and managerial elements in total production with emphasis on "hands-on" experience.

**Credits:** 3 cr.

**THT 3315 - SCENE PAINTING ADVANCED STAGECRAFT**

Training in the techniques and practices of contemporary scenic arts. Laboratory time will allow the student to demonstrate a proficiency of the techniques studied.

**Credits:** 3 cr.

**THT 3316 - THEATER AND STAGE MANAGEMENT**

Fundamental aspects of management designed for the serious student of theater. Provides concentrated experiences in major college productions as well as responsibilities in box-office and publicity.

**Credits:** 3 cr.

**THT 3317 - DRAFTING AND SCENIC RENDERING**

A study of techniques and conventions of drafting and full color rendering for the theater technician-designer.

**Prerequisites & Notes:** Prerequisite: THT 2210.

**Credits:** 3 cr.

**THT 3318 - ADVANCED LIGHTING**

Investigation into contemporary practices, equipment, and procedures for lighting all types of theatrical and entertainment events. Includes projects in the field.

**Prerequisites & Notes:** Prerequisite: THT 3312.

**Credits:** 3 cr.

**THT 4410 - INTERNSHIP**

Supervised and evaluated participation in varied settings provides practical application of theoretical principles.

**Variable Credits:** 6-12 cr. Notes: May be taken from 6 through 12 credits.



**THT 4417 - PLAY STRUCTURE AND ANALYSIS**

Analysis of selected plays and their significance in the development of the dramatic form, including the study of the social and cultural conditions in which the playwright lived and worked.

**Credits:** 3 cr.

**THT 4418 - PLAY WRITING**

Studies the principles and theories of dramatic structure. Practice in writing for the stage.

**Prerequisites & Notes:** Prerequisite: THT 3305, 3306, 3310, 4417, and/or consent of instructor.

**Credits:** 3 cr.

**THT 4450 - SPECIAL PROJECTS**

A project initiated by the student to increase his/her knowledge in an advanced area not offered as a regular class. Intensive study of a subject area under the guidance of a faculty member who has special expertise in that subject.

**Prerequisites & Notes:** Prerequisite: Permission of instructor.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits not to exceed 9 credits.

**THT 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1 - 3 credits at one time.

## Travel and Tourism

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**TRT 1102 - INTRODUCTION TO TRAVEL-TOURISM**

Surveys the broad nature of travel-tourism with an emphasis on the interrelationships between traveler need, desire, and travel fulfillment.

**Credits:** 3 cr.

**TRT 2201 - COMPUTERIZED RESERVATIONS, TICKETING, TRAVEL AGENCY OPERATIONS**

Acquaints student with computerized airline reservations and ticketing procedures including domestic and international route structures, fare rules and construction, industry airline reference materials, and operations of airline computerized reservation systems. The student will also study the travel agency: its personnel, operations, and management.

**Credits:** 3 cr.

**TRT 3300 - THE TRAVEL CONSUMER**

Provides students with a comprehensive understanding of the traveler-tourist characteristics, psychographics, and the external influences that impact on potential markets for travel-tourism products.

**Prerequisites & Notes:** Minimum 25 earned credits.

**Credits:** 3 cr.

**TRT 3312 - INTERNATIONAL TOURISM**

Studies the international tourist and the ramifications of such tourism to both sending and host countries.

**Credits:** 3 cr.

**TRT 3321 - WORLD-WIDE DESTINATIONS ATTRACTIONS**

Acquaints the student with the world-wide travel destinations, attractions, and attractiveness. Study of the marketing and promotion of these destinations.

**Credits:** 3 cr.

**TRT 3322 - TRAVEL-TOURISM SITE DEVELOPMENT**

An analysis of natural/manmade tourism resources of value in travel tourism. The development of resources into viable facilities will be considered in the contexts of changing socioeconomic and political considerations.

**Credits:** 3 cr.

**TRT 3340 - MEETINGS, CONVENTIONS, SPECIAL EVENTS PLANNING AND MANAGEMENT**

This course is an overview of the scope, nature, and basic concepts of planning and managing meetings and conventions. It explores the relationship of meetings/conventions and marketing. The student will develop an appreciation of how meetings/conventions/special events are planned, implemented, managed, and evaluated. Additionally, the course will explore the intimate relationship of the travel industry to the meeting world.

**Credits:** 3 cr.

**TRT 3350 - HOTEL AND RESORT MANAGEMENT AND OPERATIONS**

Exploration of the history, extent and nature of the contemporary hotel and resort industry. Specialized topics such as hotel sales and marketing, planning and development, food and beverage, recreation programming, personnel and security will also be emphasized.

**Prerequisites & Notes:** Minimum 25 earned credits.

**Credits:** 3 cr.

**TRT 4410 - TOPICAL SEMINAR IN TRAVEL-TOURISM**

Seminar topics vary to offer exposure to the multifaceted nature of travel-tourism. Topics include: the travel agency, wholesale tour development, issues in contemporary travel and tourism, and hospitality.

**Credits:** 3 cr.

**TRT 4420 - TRAVEL-TOURISM PROJECT SEMINAR**

Provides an opportunity to perform individual research, problem solving, and decision making in practical situations related to travel-tourism.

**Credits:** 3 cr.

**TRT 4430 - TOURISM SUPPLIERS AND WHOLESALERS**

A comprehensive study of travel-tourism suppliers, especially accommodations, food services, and the ground operators followed by a study of the wholesale travel business including personal experience in package/tour development and marketing.

**Prerequisites & Notes:** Minimum 25 earned credits.

**Credits:** 3 cr.

**TRT 4450 - TOURISM RESOURCES MANAGEMENT**

Description, planning, maintenance and protection of natural resource based tourism attractions including the management of human impacts and use of such resources.

**Credits:** 3 cr.

**TRT 4460 - PASSENGER TRANSPORT**

An analysis of spatial principles and transport systems and networks; including factors of route location, theories of interaction, and the role of all forms of passenger transport in the travel-tourism economy.

**Credits:** 3 cr.

**TRT 4461 - CRUISE PRODUCTS**

Acquaints students with the complexity and diversity of the cruise products available in the marketplace including equipment, corporate products and marketing philosophy, destinations, and markets.

**Credits:** 3 cr.

**TRT 4480 - CONTEMPORARY ISSUES TRAVEL TOURISM**

Survey of contemporary issues that are faced by the travel and tourism industry. Students become familiar with the issues through intensive study of the popular and trade press.

**Credits:** 3 cr.

**TRT 4494 - INTERNSHIP**

Provides an opportunity to apply skills and knowledge of travel-tourism under the supervision of professionals. Two individually designed projects are required.

**Prerequisites & Notes:** Prerequisite: permission of instructor.

**Credits:** 1 - 15 cr. Notes: May be taken from one through fifteen credits.

**TRT 4497 - INDEPENDENT STUDY**

Independent study is an activity initiated by the student to increase his/her already advanced knowledge in a particular academic discipline. The subject is examined in an intensive manner with guidance by a faculty member who has special expertise in that field.

**Credits:** 1 - 3 cr. Notes: May be taken for 1, 2 or 3 credits at one time.

## University Experience

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**UNV 1100 - FIRST YEAR SEMINAR**

This course introduces first year students to the University and encourages students to become engaged members of the University learning community. The course asks students to explore the context of the Mansfield University undergraduate experience through the perspectives of selected liberal arts disciplines and their own learning community participation. It also helps students explore the means by which they can succeed at the University and how to use the various support services of the University.

**Credits:** 1 cr.

## Women's Studies

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### **WS 1100 - INTRODUCTION TO WOMEN'S STUDIES**

Cross-disciplinary and cross-cultural examination of the ways that language, images, and socialization have constructed women's roles. Examines contemporary women's issues (work and family, sexuality, violence against women), as well as the women's movement and the role of women artists. Emphasis is on students (both female and male) working to discover the impact of these roles and issues in their own lives as well as in the larger world.

**Credits:** 3 cr. General Education Requirement: May satisfy General Education requirements

### **WS 4410 - SEMINAR IN WOMEN'S STUDIES**

An in-depth examination of a topic in Women's Studies including women's contributions, knowledge, and perceptions taught from a cross-disciplinary, cross-cultural perspective in seminar style. This serves as the capstone course for the Women's Studies minor.

**Prerequisites & Notes:** Prerequisite: WS 1100, two other Women's Studies courses, and junior standing or permission of instructor.

**Credits:** 3 cr. Notes: May be taken for a total of nine credits.

## X-Ray Technology

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### **XRT 1101 - X-RAY TECHNOLOGY I**

Course content provides an introduction to the basic elements of radiologic technology. Students will discuss and evaluate medicolegal issues, professionalism in radiology, radiation protection practices, and radiologic terms. This course is a professional course within the Radiology Technology curriculum and radiology students are given preference. With instructor permission, course enrollment is open to any university student.

**Prerequisites & Notes:** Prerequisites or Co-requisites: BSC 1121, ENG 1112, MA 1128 and COM 1101.

**Credits:** 3 cr.

### **XRT 1102 - X-RAY TECHNOLOGY II**

The goal of this course is to present a basic introduction to imaging equipment operation and concepts of patient care. Students will also learn radiographic examination considerations for the extremities, spine, should girdle, pelvic girdle and bony thorax.

**Prerequisites & Notes:** Prerequisites: XRT 1101, BSC 1121, and MA 1128. Prerequisites or Co-requisites: BSC 1122, XRT 3301, XRT 1107, and XRT 1108.

**Credits:** 3 cr.

### **XRT 1103 - X-RAY TECHNOLOGY III**

Course content acquaints the student with the methods of image processing and principles of radiation biology. Emphasis will be placed on radiographic examinations of the biliary, urinary, and digestive systems. Pediatric radiography is also presented. Drug pharmacology, radiographic contrast media, and image analysis will be discussed.

**Prerequisites & Notes:** Prerequisite: XRT 1102. Co-requisite: XRT 3302.

**Credits:** 5 cr.

**XRT 1104 - X-RAY TECHNOLOGY IV**

Course content acquaints students with the principles of radiographic exposure. Emphasis will be placed on radiographic examinations of the cranium, mobile radiography, and trauma radiography. Students will continue to study image analysis and review introductory radiographic concepts presented in previous professional courses.

**Prerequisites & Notes:** Prerequisites: XRT 1103. Prerequisites and Co-requisites: PSY 1101, SOC 1101, XRT 2203, and XRT 3303.

**Credits:** 3 cr.

**XRT 1105 - X-RAY TECHNOLOGY V**

This course includes the study of pathology and disease, basic contrast studies, vascular interventional procedures, and quality assurance.

**Prerequisites & Notes:** Prerequisite: XRT 1104. Prerequisites or Co-requisites: CIS 1103, PHL 1191 and XRT 3304.

**Credits:** 3 cr.

**XRT 1106 - X-RAY TECHNOLOGY VI**

The purpose of this course is to review the knowledge and skills underlying the performance of the major tasks typically required of an entry-level diagnostic radiographer. Students will also become familiar with the basic concept of technical reporting and evaluation.

**Prerequisites & Notes:** Prerequisite: XRT 1105. Co-requisite XRT 3305.

**Credits:** 4 cr.

**XRT 1107 - FUNDAMENTALS OF RADIOLOGIC SCIENCE AND HEALTH CARE**

Content is designed to provide an overview of the foundations in radiography and the practitioner's role in the health care delivery system. Principles, practices and policies of the health care organization(s) will be examined and discussed in addition to professional responsibilities of the radiographer.

**Prerequisites & Notes:** Prerequisite: XTR 1101, BSC 1121 and MA 1128. Prerequisites or Co-requisites: BSC 1122, XRT 3301, XRT 1102, and XRT 1108.

**Credits:** 1 cr.

**XRT 1108 - MEDICAL TERMINOLOGY FOR THE RADIOGRAPHER**

Students will be introduced to the origins of medical terminology and the word-building system used in the medical field. The words abbreviations, and symbols used in the medical environment will be discussed. An orientation to the understanding of radiologic orders and interpretation of diagnostic reports will be addressed through the related terminology.

**Prerequisites & Notes:** Prerequisite: XRT 1101, BSC 1121 and MA 1128. Prerequisites or Co-requisites: BSC 1122, XRT 3301, XRT 1102, and XRT 1107.

**Credits:** 2 cr.

**XRT 2203 - X-RAY PHYSICS**

This course will provide the student with knowledge of basic radiologic physics. Atomic theory, nature and characteristics of radiation, x-ray production, and fundamentals of photon interactions with matter are discussed.

**Prerequisites & Notes:** Prerequisite: XRT 1103. Prerequisites or Co-requisites: PSY 1101, SOC 1101, XRT 3303, XRT 1104.

**Credits:** 3 cr.

**XRT 3301 - CLINICAL PRACTICUM I**

The main purpose of this course is to familiarize students with the proper operation and utilization of modern diagnostic radiologic equipment. Initially students will receive a general orientation regarding clinical facilities and policies. While under the direct supervision of clinical faculty and registered radiographers, students will perform the radiographic examinations presented in course XRT 1102. Students are required to demonstrate and practice the competencies included in the course goals and objectives.

**Prerequisites & Notes:** Prerequisite: XRT 1101. Prerequisites or Co-requisites: BSC 1122, XRT 1102, XRT 1107 and XRT 1108.

**Credits:** 2 cr.

**XRT 3302 - CLINICAL PRACTICUM II**

Students will practice the competencies acquired in the previous clinical practicum and begin working towards achieving competency for examinations presented in course XRT 1103. Clinical rotations will begin in the areas of mammography, operative radiology, computed tomography and ultrasound. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives.

**Prerequisites & Notes:** Prerequisite: XRT 1102 and XRT 3301. Co-requisites: XRT 1103.

**Credits:** 2 cr.

**XRT 3303 - CLINICAL PRACTICUM III**

Students will continue to practice the competencies acquired in previous clinical courses while working towards achieving competency for examinations of the skull. Emphasis will be placed on examinations from courses: XRT 1102, 1103, and 1104. Clinical rotations will begin in nuclear medicine. Students will also begin an evening clinical rotation which emphasizes trauma radiography. Students are required to demonstrate and practice the competencies which are included in the course goals and objectives.

**Prerequisites & Notes:** Prerequisite: XRT 1103 and 3302. Prerequisites or Co-requisites: PSY 1101, SOC 1101, XRT 2203, and XRT 1104.

**Credits:** 2 cr.

**XRT 3304 - CLINICAL PRACTICUM IV**

Students will have the opportunity to demonstrate competency on general diagnostic examinations of most systems of the body, while continuing to practice the competencies acquired in previous clinical courses. Clinical rotations will begin in the areas of magnetic resonance imaging, radiation therapy, and vascular interventional radiography. Students are required to demonstrate and practice the competencies, which are included in the course goals and objectives.

**Prerequisites & Notes:** Prerequisites: XRT 1104 and 3303. Prerequisites or Co-requisites: CIS 1103, PHL 1191 and XRT 1105.

**Credits:** 3 cr.

**XRT 3305 - CLINICAL PRACTICUM V**

During this final clinical practicum, students will complete clinical assignments that require the demonstration of competency in a wide variety of general diagnostic, entry-level radiographic examinations. Students will have a final opportunity to practice competencies achieved in previous clinical practice. Students are required to demonstrate and practice the competencies included in the course goals and objectives.

**Prerequisites & Notes:** Prerequisites: XRT 1105 and XRT 3304 or Co-requisite: XRT 1106.

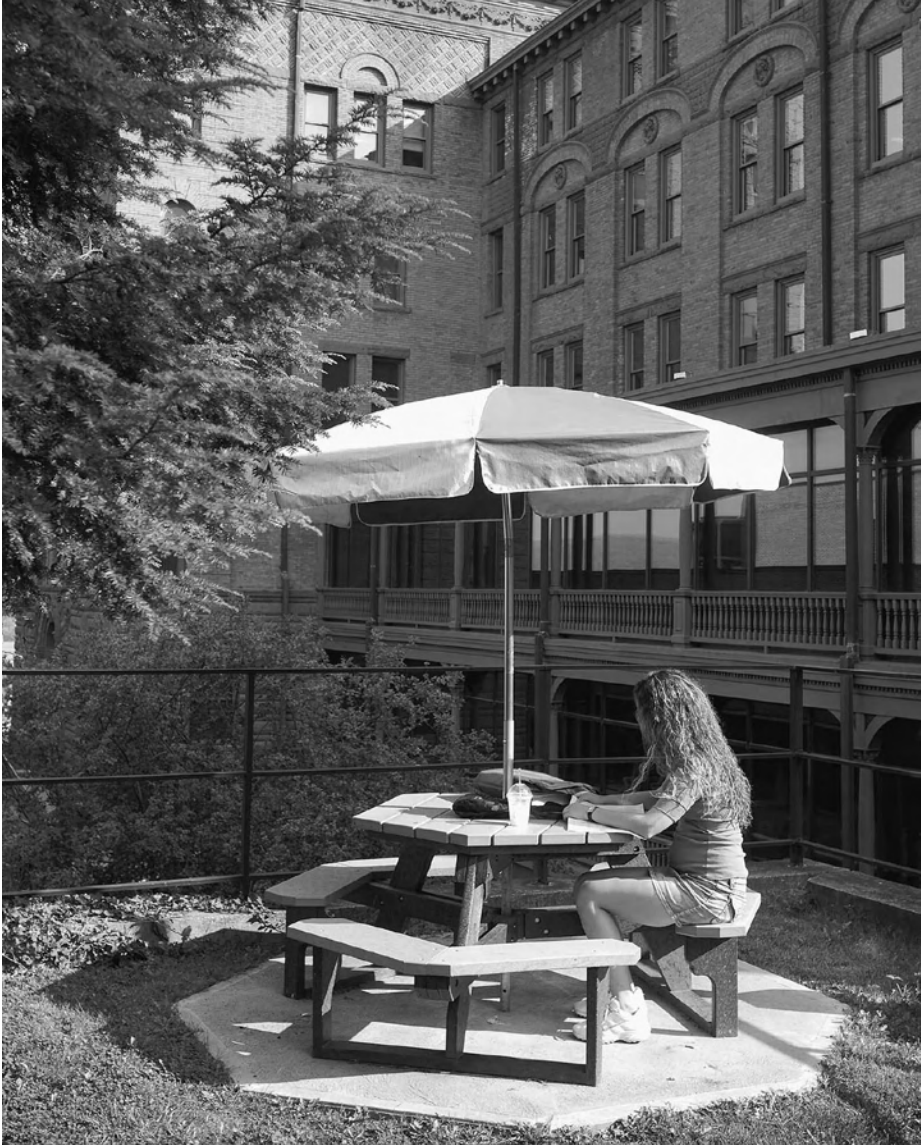
**Credits:** 2 cr.

**XRT 3309 - DIGITAL IMAGE ACQ AND DISPLAY**

Content is designed to impact an understanding of the components, principles and operation of digital imaging systems found in the diagnostic radiology. Factors that impact image acquisition, display, archiving and retrieval are discussed. Guidelines for selecting exposure factors and evaluation images within a digital system assist students to bridge between film-based and digital imaging systems. Principles of digital system quality assurance and maintenance are presented.

**Prerequisites & Notes:** Prerequisites: XRT-1102, XRT-1107, XRT-1108, XRT-3303  
Co-requisites: XRT-1103, XRT-3302

**Credits:** 1 cr



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## Faculty

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- Clifford, Leslie D.** (2002). B.S. 1993, M.S. 1995, Brigham Young University; Ph.D. Wake Forest University, 2001. Associate Professor, Biology.
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