

University Catalog 2017-2018



PittGreensburg



ACADEMIC CALENDAR • 2017–18

Dates in **bold** apply to all schools, on all University campuses. Those not in bold apply only to the Pittsburgh Campus. Official dates for degrees awarded apply to all schools, on all University campuses. Specific dates affecting the professional programs in the Schools of Dental Medicine, Law, Medicine, Pharmacy, and the Joseph M. Katz Graduate School of Business may be obtained from the appropriate Dean's Office.

2017 FALL TERM (2181)

July	4	Tuesday	<i>Independence Day (University closed)</i>
	12	Wednesday	Fall Term deadline for continuing students to register
August	14	Monday	Graduate International Student Check-In and Orientation
	18-20, incl.	Friday-Sunday	Undergraduate International Student Orientation
	21	Monday	Residence halls open
	21-27, incl.	Monday-Sunday	New and Transfer Student Orientation
	23	Wednesday	New Student Convocation
	24	Thursday	New Faculty Orientation
	25	Friday	New Teaching Assistant Orientation
	28	Monday	Fall Term enrollment period ends for all students
	28	Monday	Fall Term classes begin
September	4	Monday	<i>Labor Day (University closed)</i>
	8	Friday	Fall Term add/drop period ends
	17	Sunday	Constitution Day
October	9	Monday	Fall Break for students (no classes); University offices and buildings remain open and staffed during Fall Break (see note below)
	10	Tuesday	Monday classes normally scheduled to meet Monday, October 9th will meet on Tuesday, October 10th. Tuesday classes will not meet this week (see note below)
	13-15, incl.	Friday-Sunday	Homecoming Activities
	27	Friday	Fall Term deadline for students to submit Monitored Withdrawal forms to Dean's Office
	27	Friday	Spring Term enrollment appointments begin (Veteran Students)
	27-28, incl.	Friday-Saturday	Family Weekend
	30	Monday	Spring Term enrollment appointments begin (Non-Veteran Students)
November	10	Friday	Last day for Spring Term enrollment appointments
	11	Saturday	Spring Term open enrollment begins
	22-26, incl.	Wednesday-Sunday	Thanksgiving Recess for students (no classes), all schools
	23-24, incl.	Thursday-Friday	Thanksgiving Recess for faculty and staff (University closed)
	27	Monday	Classes resume (all schools)
December	8	Friday	Fall Term: Last day for undergraduate day classes
	8	Friday	Spring Term deadline for continuing students to register
	9	Saturday	Reading Day
	9-16, incl.	Saturday-Saturday	College of General Studies classes, Saturday Only classes, graduate classes, and evening classes will continue to meet during this period; final examinations should be held during the last scheduled class meeting
	11-16, incl.	Monday-Saturday	Final examination period for undergraduate day classes
	16	Saturday	Fall Term Ends: Official date for degrees awarded in Fall Term
	17	Sunday	Residence halls close
	17-Jan 7, incl.	Sunday-Sunday	Winter Recess for students (no classes), all schools
	19	Tuesday	Fall Term grades must be approved by instructors by 11:59 p.m.
	22-Jan 1, incl.	Friday-Monday	Winter Recess for faculty and staff; designated University offices, including major responsibility centers and research projects, will be staffed as necessary during this period*

Note: Regarding Fall Break, students in the professional programs in the Schools of Dental Medicine, Law, Medicine, Pharmacy, as well as the Joseph M. Katz Graduate School of Business, should contact their Dean's Office.

*Employees covered by collective bargaining agreements will be governed by the terms of those agreements.

Visit our Web site at www.pitt.edu/calendars.html

2018 SPRING TERM (2184)

January	2	Tuesday	All University offices and buildings reopen
	6	Saturday	Residence halls reopen
	8	Monday	Spring Term enrollment period ends for all students
	8	Monday	Spring Term classes begin
	15	Monday	<i>Dr. Martin Luther King's birthday observance (University closed)</i>
	19	Friday	Spring Term add/drop period ends
	20	Saturday	Spring Term extended drop period begins (Undergraduate Students Only)(Guidelines)
	26	Friday	Spring Term extended drop period ends (Undergraduate Students Only)
February	9	Friday	Summer Term enrollment appointments begin (Veteran Students)
	12	Monday	Summer Term enrollment appointments begin (Non-Veteran Students)
	23	Friday	Honors Convocation
March	4-11, incl.	Sunday-Sunday	Spring Recess for students (no classes); University offices and buildings remain open and staffed during Spring Recess except on Friday, Spring Holiday
	9	Friday	<i>University's observance of Spring Holiday (University closed)</i>
	14	Wednesday	Spring Term deadline for students to submit Monitored Withdrawal forms to Dean's Office
	23	Friday	Fall Term enrollment appointments begin (Veteran Students)
	26	Monday	Fall Term enrollment appointments begin (Non-Veteran Students)
April	6	Friday	Last day for Fall Term enrollment appointments
	7	Saturday	Fall Term open enrollment period begins
	20	Friday	Spring Term: Last day for undergraduate day classes
	21	Saturday	Reading Day
	21-28, incl.	Saturday-Saturday	College of General Studies classes, Saturday Only classes, graduate classes, and evening classes will continue to meet during this period; final examinations should be held during the last scheduled class meeting
	23-28, incl.	Monday-Saturday	Final examination period for all undergraduate day classes
	26	Thursday	Annual Graduate Commencement Convocation
	28	Saturday	Spring Term Ends: Official date for degrees awarded in Spring Term
	29	Sunday	Annual Undergraduate Commencement Convocation
	29	Sunday	Residence halls close (except for graduating seniors)

2018 SUMMER TERM (2187)

May	2	Wednesday	Spring Term grades must be approved by instructors by 11:59 p.m.
	6	Sunday	Summer Term: Residence halls open
	7	Monday	Summer Term enrollment period ends and classes begin
	14	Monday	Summer 12-WEEK, 6-WEEK-1, 4-WEEK-1 sessions enrollment period ends and classes begin
	16	Wednesday	Summer 4-WEEK-1 and 6-WEEK-1 sessions add/drop period ends
	18	Friday	Summer Term add/drop period ends
	21	Monday	Summer 12-WEEK session add/drop period ends
	26	Saturday	Official date for degrees awarded in the School of Law and School of Dental Medicine
	28	Monday	Memorial Day (University closed)
	30	Wednesday	Summer 4-WEEK-1 session deadline for students to submit Monitored Withdrawal forms to Dean's Office
June	1	Friday	Summer 6-WEEK-1 session deadline for students to submit Monitored Withdrawal forms to Dean's Office
	9	Saturday	Summer 4-WEEK-1 session ends: Final examinations scheduled during last class meeting
	11	Monday	Summer 4-WEEK-2 session enrollment period ends and classes begin
	13	Wednesday	Summer 4-WEEK-1 session grades must be approved by instructors by 11:59 p.m.
	13	Wednesday	Summer 4-WEEK-2 session add/drop period ends
	23	Saturday	Summer 6-WEEK-1 session ends: Final examinations scheduled during last class meeting
	23	Saturday	Official date for awarding of degrees
	25	Monday	Summer 6-WEEK-2 session enrollment period ends and classes begin
	27	Wednesday	Summer 6-WEEK-1 session grades must be approved by instructors by 11:59 p.m.

27	Wednesday	Summer 6-WEEK-2 session add/drop period ends
27	Wednesday	Summer 4-WEEK-2 session deadline for students to submit Monitored Withdrawal forms to Dean's Office

2018 SUMMER TERM (2187)

July	4	Wednesday	<i>Independence Day (University Closed)</i>
	6	Friday	Summer Term and 12-WEEK session deadline for students to submit Monitored Withdrawal forms to Dean's Office
	7	Saturday	Summer 4-WEEK-2 session ends: Final examinations scheduled during last class meeting
	9	Monday	Summer 4-WEEK-3 session enrollment period ends and classes begin
	11	Wednesday	Summer 4-WEEK-2 session grades must be approved by instructors by 11:59 p.m.
	11	Wednesday	Fall Term deadline for continuing students to register
	11	Wednesday	Summer 4-WEEK-3 session add/drop period ends
	20	Friday	Summer 6-WEEK-2 session deadline for students to submit Monitored Withdrawal forms to Dean's Office
	25	Wednesday	Summer 4-WEEK-3 session deadline for students to submit Monitored Withdrawal forms to Dean's Office
August	4	Saturday	Summer 12-WEEK, 6-WEEK-2, 4-WEEK-3 sessions end: Final examinations scheduled during last class meeting
	8	Wednesday	Summer 12-WEEK, 6-WEEK-2, 4-WEEK-3 sessions grades must be approved by instructors by 11:59 p.m.
	11	Saturday	Summer Term Ends: Final examinations scheduled during last class meeting
	11	Saturday	Official date for awarding degrees
	12	Sunday	Residence halls close
	15	Wednesday	Summer Term grades must be approved by instructors by 11:59 p.m.

2018 FALL TERM (2191)

The beginning, ending, and add/drop dates for 2018 Fall Term (2191) classes and the beginning date for 2019 Spring Term (2194) classes are firm; ALL OTHER DATES ARE TENTATIVE.

August	20	Monday	Residence halls open
	27	Monday	Fall Term enrollment period ends for all students
	27	Monday	Fall Term classes begin
September	3	Monday	<i>Labor Day (University closed)</i>
	7	Friday	Fall Term add/drop period ends
	8	Saturday	Fall Term extended drop period begins (Undergraduate Students Only)(Guidelines)
	14	Friday	Fall Term extended drop period ends (Undergraduate Students Only)
	16	Sunday	Constitution Day
October	TBD	Monday	Fall Break for students (no classes); University offices and buildings remain open and staffed during Fall Break
	TBD	Tuesday	Monday classes normally scheduled to meet Monday, TBD will meet on Tuesday, TBD. Tuesday classes will not meet this week.
	26	Friday	Fall Term deadline for students to submit Monitored Withdrawal forms to Dean's Office
	26	Friday	Spring Term enrollment appointments begin (Veteran Students)
	29	Monday	Spring Term enrollment appointments begin (Non-Veteran Students)
November	9	Friday	Last day for Spring Term enrollment appointments
	10	Saturday	Spring Term open enrollment period begins
	21-25, incl.	Wednesday-Sunday	Thanksgiving Recess for students (no classes), all schools
	22-23, incl.	Thursday-Friday	Thanksgiving Recess for faculty and staff (University closed)
	26	Monday	Classes resume (all schools)
December	7	Friday	Fall Term: Last day for undergraduate day classes
	7	Friday	Spring Term deadline for continuing students to register
	8	Saturday	Reading Day
	8-15, incl.	Saturday-Saturday	College of General Studies classes, Saturday Only classes, graduate classes, and evening classes will continue to meet during this period; final examinations should be held during the last scheduled class meeting
	10-15, incl.	Monday-Saturday	Final examination period for undergraduate day classes
	15	Saturday	Fall Term Ends: Official date for degrees awarded in Fall Term

16 Sunday
16-Jan 6, incl. Sunday-Sunday

Residence halls close
Winter Recess for students (no classes), all schools

2018 FALL TERM (2191)

December 18 Tuesday
24-Jan 1, incl. Monday-Tuesday

Fall Term grades must be approved by instructors by 11:59 p.m.
Winter Recess for faculty and staff; designated University offices, including major responsibility centers and research projects, will be staffed as necessary during this period*

Note: Regarding Fall Break, students in the professional programs in the schools of Dental Medicine, Law, Medicine, Pharmacy, as well as the Joseph M. Katz Graduate School of Business, should contact their Dean's Office.

*Employees covered by collective bargaining agreements will be governed by the terms of those agreements.

2019 SPRING TERM (2194)

January 2 Wednesday
5 Saturday
7 Monday

All University offices and buildings reopen
Residence halls open
Spring Term classes begin

NOTE: THE UNIVERSITY RESERVES THE RIGHT TO MAKE SUCH CALENDAR CHANGES AS IT DEEMS NECESSARY.



SUMMER 2018 ACADEMIC CALENDAR BY SESSION

ENROLLMENT and ADD/DROP BEGINS MONDAY, FEBRUARY 12th	4WK1 4-Week-1	4WK2 4-Week-2	4WK3 4-Week-3	6WK1 6-Week-1	6WK2 6-Week-2	12 WK 12-Week	TERM Term
	* Mon 5/14 Sat 6/9	+ Mon 6/11 Sat 7/7		* Mon 5/14 Sat 6/23	+ Mon 6/25 Sat 8/4	*+ Mon 5/14 Sat 8/4	*+ Mon 5/7 Mon 8/13
Residence Halls Open	Sun 5/13	Sun 6/10	Sun 7/8	Sun 5/13	Sun 6/24	Sun 5/13	Sun 5/6
Enrollment Ends/ Classes Begin	Mon 5/14	Mon 6/11	Mon 7/9	Mon 5/14	Mon 6/25	Mon 5/14	Mon 5/7
Add/Drop Ends	Wed 5/16	Wed 6/13	Wed 7/11	Wed 5/16	Wed 6/27	Mon 5/21	Fri 5/18
Monitored Withdrawal Deadline	Wed 5/30	Wed 6/27	Wed 7/25	Fri 6/8	Fri 7/20	Fri 7/6	Fri7/6
Classes End/Final Exam Held in Last Class Meeting	Sat 6/9	Sat 7/7	Sat 8/4	Sat 6/23	Sat 8/4	Sat 8/4	Sat 8/11
Residence Halls Close	Sun 6/10	Sun 7/8	Sun 8/5	Sun 6/24	Sun 8/5	Sun 8/5	Sun 8/12
Grade Roster Approval Deadline	Wed 6/13	Wed 7/11	Wed 8/8	Wed 6/27	Wed 8/8	Wed 8/8	Wed 8/15

* Memorial Day, Monday 5/28, University Closed + Independence Day, Wednesday 7/4, University Closed

* Memorial Day, Monday 5/28, University Closed + Independence Day, Wednesday 7/4, University Closed



University of Pittsburgh

The University of Pittsburgh is an affirmative action, equal opportunity institution.
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2017-18

Faculty Assembly

Tuesday	June 6, 2017 (tentative)
Tuesday	September 12, 2017
Tuesday	October 10, 2017
Tuesday	November 7, 2017
Tuesday	December 5, 2017

2018

Tuesday	January 2018, TBD
Tuesday	February 2018, TBD
Tuesday	March 2018, TBD
Tuesday	April 2018, TBD
Tuesday	May 2018, TBD
Tuesday	June 2018, TBD
Tuesday	September 2018, TBD
Tuesday	October 2018, TBD
Tuesday	November 2018, TBD
Tuesday	December 2018, TBD

Senate Council

Wednesday	June 14, 2017 (tentative)
Wednesday	September 20, 2017
Wednesday	October 18, 2017
Wednesday	November 15, 2017
Wednesday	December 13, 2017

2018

Wednesday	January 2018, TBD
Wednesday	February 2018, TBD
Wednesday	March 2018, TBD
Wednesday	April 2018, TBD
Wednesday	May 2018, TBD
Wednesday	June 2018, TBD
Wednesday	September 2018, TBD
Wednesday	October 2018, TBD
Wednesday	November 2018, TBD
Wednesday	December 2018, TBD

Staff Association Council

Tuesday	July 18, 2017 (<i>New Member Orientation Luncheon</i>)
Wednesday	July 19, 2017
Wednesday	August 16, 2017
Wednesday	September 13, 2017
Wednesday	October 18, 2017
Wednesday	November 15, 2017

2018

Wednesday	January 17, 2018
Wednesday	February 14, 2018
Wednesday	March 14, 2018
Wednesday	April 18, 2018
Wednesday	May 16, 2018
Wednesday	June 13, 2018
Wednesday	July 18, 2018
Wednesday	August 15, 2018
Wednesday	September 12, 2018
Wednesday	October 17, 2018
Wednesday	November 14, 2018
Wednesday	December 12, 2018

University Senate

Thursday	October 2017, TBD (Plenary Session)
Wednesday	March 2018, TBD (Plenary Session)

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Welcome to the University of Pittsburgh Catalog for the Greensburg Campus!

Whether you are interested in attending the University of Pittsburgh, or are already enrolled, you can search the Catalog to obtain campus information, academic programs, policies, and courses. Should you have any questions about the content in the catalog, please email us at catalogs@pitt.edu.

Looking for a Different Catalog?

Archived Catalogs - To view a Greensburg Campus Catalog from a previous academic year, click on the Archived Catalogs link in the right-hand menu.

Other Pitt Catalogs - The University of Pittsburgh has five campuses in total. To view a Catalog for another campus, click the following link: [Other Pitt Catalogs](#)

Search Programs, Courses & Policies

Use the Catalog Search at the top of the right-hand navigation to find information in the online catalog.

You can also click on the Advanced Search link below the Catalog Search to narrow or expand your search of the catalog.

University of Pittsburgh Nondiscrimination Policy Statement

The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, as fully explained in Policy 07-01-03, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity and expression, genetic information, disability, or status as a veteran. The University also prohibits and will not engage in retaliation against any person who makes a claim of discrimination or harassment or who provides information in such an investigation. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University's mission. This policy applies to admissions, employment, access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations.

For information on University equal opportunity and affirmative action programs, please contact: University of Pittsburgh, Office of Affirmative Action, Diversity and Inclusion, Pamela W. Connelly, Associate Vice Chancellor, 500 Craig Hall, Pittsburgh, PA 15260 (412) 648-7860.

For complete details on the University's Nondiscrimination Policy, please refer to Policy 07-01-03. For information on how to file a complaint under this policy, please refer to Procedure 07-01-03.

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Catalog Help

At the top of every page you may click this icon to get more specific information on how to use the Catalog.

About the University of Pittsburgh at Greensburg

Mission Statement

The University of Pittsburgh at Greensburg is a baccalaureate degree-granting unit and regional campus of the University of Pittsburgh. As an integral part of a state-related institution, the Greensburg campus provides educational opportunities to both traditional and nontraditional students through curricular and co-curricular experiences focused primarily on the arts and sciences and some selected professional or pre-professional programs that are grounded in traditional liberal arts disciplines. As an undergraduate school within the broader University, Pitt-Greensburg's faculty places primary emphasis on teaching excellence while maintaining a commitment to scholarship and public service.

A common part of the undergraduate educational experience is acquiring a certain depth and breadth of knowledge in a specific discipline or area that defines a student's major focus of study. Equally important is the opportunity for each student to acquire the fundamentals of a liberal arts and sciences education. The University of Pittsburgh at Greensburg is committed to a general education program that will give its students a broader understanding of the human experience and the fundamental skills necessary for academic success and learning throughout their lifetimes.

Pitt-Greensburg recognizes that good citizenship, civic leadership, and full participation in an information-based, global society are a function of educational excellence. Accordingly, in all curricular and co-curricular matters, including its unique academic village structure, the Greensburg campus fulfills its mission by providing its students with opportunities to develop leadership, a sense of civic engagement and public service, global awareness, and a commitment to academic excellence.

Accreditation

The University of Pittsburgh is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104, (267) 284 - 5000. Schools, programs, and departments may furthermore be accredited by discipline-specific accrediting bodies.

Campus and Community

History of the Campus

The Campus began operations as a two-year institution on September 3, 1963, in the Vogel building, located in downtown Greensburg. On June 29, 1964, the Charles Lynch Estate was purchased. Construction on the multi-purpose building that was to become Smith Hall started 10 years later while, at the same time, a proposal to change the program from lower to upper division was submitted to the State Department of Education. In 1988, the Board of Trustees awarded degree-granting status to Pitt- Greensburg. Pitt-Greensburg now offers 28 degree programs and 19 minors, in addition to numerous pre-professional programs, to over 1,500 students.

The newest building, Frank A. Cassell Hall, is the campus' first sustainable building with a Gold LEED certification. It houses the IT and computer center along with much-needed faculty offices and classrooms, as well as some select places for study and relaxation. A new multimedia lab in Millstein Library provides students, faculty, and staff with state-of-the-art digital equipment to use to further enhance the Pitt-Greensburg educational experience.

The campus commitment to the academic experience of the student is evident in the 16 faculty members who have received the Chancellor's Award for Distinguished Teaching. The physical campus has changed considerably from the original to include 26 brick buildings located on a lovely wooded campus.

The Pitt-Greensburg Community

The University of Pittsburgh at Greensburg is situated on a 219-acre campus in suburban Hempfield Township, three miles southeast of the city of Greensburg and approximately 40 miles southeast of the City of Pittsburgh. Pitt-Greensburg enrolls approximately 1525 full-time students, more than 600 of whom live in the five residence halls on campus.

The campus offers a safe, close-knit academic environment that provides personalized guidance from faculty who help students to see the connection between the skills they are learning and the abilities they will need as working professionals. Undergraduate research opportunities are available and encouraged, further preparing students for graduate and professional school.

On a percentage basis, Pitt-Greensburg has more winners of the Chancellor's Award for Distinguished Teaching than any other school or campus of the University of Pittsburgh. Eighty-six percent of Pitt-Greensburg faculty hold a doctorate or terminal degree within their field-a significantly higher number than the majority of other area colleges and universities.

Employees:

- Faculty: 139 (81 full-time; 58 regular part-time)
- Staff: 124 (104 regular full-time; 3 regular part-time; 15 temporary part-time)

Pitt-Greensburg's **academic facilities** include:

- **Mary Lou Campana Chapel and Lecture Center**, an intimate 165-seat auditorium;
- **Frank A. Cassell Hall**, a Gold LEED-certified sustainable building, that features classrooms, a student computer center, and offices;
- **Chambers Hall**, the campus student center that includes Wagner Dining Hall, Bobcat Station, the Ronnie Andrews Fitness Center, the Campus Bookstore, the Office of Student Services, and the gymnasium;
- **Ferguson Theater**, a 266-seat auditorium capable of supporting theater productions and other public events.
- **Lynch Hall**, a stately historic mansion that now serves as the administrative center of campus;
- **McKenna Hall**, which offers classrooms and additional computer facilities;
- **Millstein Library**, home to more than 78,000 volumes and the campus' state-of-the-art media lab, as well as being the gateway to an array of information resources through the University Library System's Digital Library;
- **Powers Hall**, which houses classrooms, faculty offices, and a small auditorium;
- **Smith Hall**, featuring classrooms, faculty offices, and biology, chemistry, and other natural science laboratories; and
- **Village Hall**, a multi-use building located in the center of the Academic Village that houses the Coffeehouse, and offices as well as classroom and meeting spaces.
- In addition to the Chambers Hall Gymnasium, Pitt-Greensburg's athletes compete on a softball field, a baseball field, a soccer field, and a practice field.

Athletics: A member of the Allegheny Mountain Collegiate Conference (AMCC), Pitt-Greensburg fields 12 NCAA Division III athletic teams including:

- **Men's teams:** baseball, golf, basketball, cross country, soccer, tennis.
- **Women's teams:** basketball, cross country, soccer, tennis, softball, volleyball.

Learn more about Pitt-Greensburg Athletics at <http://pittgreensburgathletics.com/>

Clubs & Organizations: More than 50 clubs and organizations exist at Pitt-Greensburg, including the Student Government Association and the Student Activities Board. These groups provide opportunities for out-of-classroom learning, as well as leadership experience. Learn more at greensburgpitt.collegiatelink.net.

Community Service: Pitt-Greensburg students learn first-hand that community service does good-and feels good. Whether it's through the semesterly "Into the Streets" event, Pitt Make A Difference Day, MLK Day of Service, Circle K International, Habitat for Humanity, Outdoor Adventure and Community Service, American Red Cross, or other organizations and classes, Pitt-Greensburg students volunteer hundreds of hours in the Greensburg community each month.

Study Abroad: Students attending Pitt-Greensburg may take advantage of the wide range of programs available through the University of Pittsburgh Study Abroad Office. Scholarship opportunities are available, including through the prestigious Vira I. Heinz Program.

Honor Societies: Students are encouraged to excel academically as evidenced by the national honor societies with chapters at Pitt-Greensburg. These include:

- Alpha Phi Sigma - National Criminal Justice Honor Society;
- Beta Beta Beta - National Honor and Professional Society for Biological Sciences;
- Chi Alpha Sigma - National College Athlete Honor Society;
- Delta Psi Omega - National Theatre Honor Society;

- Gamma Sigma Epsilon - National Chemistry Honor Society;
- Lambda Pi Eta - National Communication Honor Society;
- Phi Eta Sigma - National Freshman Honor Society;
- Phi Kappa Phi - the nation's oldest, largest, and most selective academic honor society that recognizes and promotes academic excellence in all fields of higher education;
- Phi Lambda Theta - Education Honor Society;
- Pi Mu Epsilon - National Mathematics Honors Society;
- Pi Sigma Alpha - National Political Science Honor Society;
- Psi Chi - National Psychology Honor Society;
- Sigma Tau Delta - National English Honor Society.

Throughout the year, Pitt-Greensburg offers a wide range of lectures, musical performances, and theatrical performances to the community-frequently at no charge to the public. These include programming offered by the Academic Village, a Pitt-Greensburg innovation that integrates the curricular and extra-curricular experiences of students (see Academic Village section).

Additional information about student activities may be found at www.greensburg.pitt.edu/student-life

Military Friendly School: Pitt-Greensburg has been selected a "Military Friendly School" (2012, 2013, 2014, 2015, 2016) by *GI Jobs Magazine*. The title recognizes colleges, universities, and trade schools that are doing the most to embrace America's service members and veterans as students.

Alumni: 11,216 (includes those who attended Pitt-Greensburg for three semesters or more.) The majority of Pitt-Greensburg's alumni reside in Westmoreland County.

The Community Beyond Campus

Pitt-Greensburg's affiliation with the University of Pittsburgh and proximity to the City of Pittsburgh gives students access to the computer and library resources and the cultural and athletic opportunities of a large university and metropolitan center.

Pitt-Greensburg is located in Greensburg, Pennsylvania, a historic area that offers various options for dining, entertainment, shopping, and museums. City residents enjoy close proximity to many key amenities including the Five Star Trail, The Palace Theatre, Robertshaw Amphitheater, Westmoreland Museum of American Art, the downtown shopping district, and numerous churches of various denominations.

The City of Greensburg offers a wide variety of unique cultural, dining, and shopping opportunities that routinely attract visitors from the entire Westmoreland County area. The majority of these attractions, restaurants, and stores are within a four-block radius of the Westmoreland County Courthouse in the downtown area.

Many shopping and dining plazas, including Westmoreland Mall, are within only a few miles of Pitt- Greensburg off Route 30.

A wide variety of hotel accommodations and transportation are also available in the Greensburg area.

Campus Facilities

Academic Village

The Academic Village is comprised of six buildings (Apollo House, Athena House, Franklin House, Marshall House, Mead House, and Selene House). Each building contains eight apartments and each apartment houses four students. Each apartment contains four single bedrooms, two bathrooms, a living room, and a kitchen. The kitchen has a full-size refrigerator, range oven, microwave, dishwasher, sink and cabinets. Admission to Academic Village housing is competitive and is based upon a student's application and academic record. See the Academic Villages section for more information about the Academic Village at Pitt-Greensburg and the Housing and Residence Life section for information on applying for Village housing.

Bobcat Park (Baseball Field)

Pitt-Greensburg's baseball field is located behind Millstein Library and is part of the Ridilla Athletic fields. The field, most recently renovated in 2011, features a grass infield and outfield, along with bricked dugouts and a batting cage located in center field.

Kenneth E. Bell Memorial Nature Trail

The Kenneth E. Bell Memorial Nature Trail, named in memory of a botanist, expert naturalist, and professor of Biology, is accessible from the campus parking lot below the First Baptist Church. The trail is more than one-quarter of a mile in length and passes through a rich woodland of diverse established trees and plants.

Mary Lou Campana Chapel and Lecture Center

The 4,600 square foot facility includes a 165-seat theater for plays, musical programs, and lectures. The chapel is open to the Pitt-Greensburg community and the public as a place for spiritual reflection.

Frank A. Cassell Hall

Cassell Hall serves as the campus computer center. Its facilities include a large walk-in computing lab, one computer classroom, one training classroom, one video classroom, and offices for computer center staff and faculty. The Department of Computing Services and Telecommunications, located in Cassell Hall, supports both academic and administrative users of computers, networks, and telephones.

Chambers Hall

As the student center, Chambers Hall is the major social and recreational hub for the Pitt-Greensburg campus. The information desk, just inside the main doors, is where students sign up for events, purchase tickets, borrow athletic equipment, etc. Recreational facilities include the Ronnie Andrews Fitness Center, gymnasium, game room, and running track. Dining facilities include a cafeteria (Wagner Dining Hall) and a snack bar (Bobcat Station). The Fireside Lounge and the Hempfield Room provide spaces for formal and informal meetings. The Campus Bookstore is also on the first floor. The second floor of Chambers Hall is home to the Office of the Dean of Student Services, the Office of Housing and Residence Life, the Health Center, the Counseling Center, the Career Service Center, and the Athletic Department. The offices for the Student Government Association (SGA) and the Student Activities Board (SAB), as well as other student organizations are also on the second floor.

College Hall

College Hall is a traditional-style residence facility for as many as 144 students. Rooms in College Hall are shared by two to three students and have private baths, carpeting, and air conditioning. There is also a large TV room, recreation room, and two large study rooms located in the building.

Faculty Office Building

Offices for faculty in the Division of Humanities and Behavioral Sciences are found in the Faculty Office Building.

Fountain

The Pitt-Greensburg Fountain, constructed in 2000, is a well-recognized landmark that marks the two entrances to campus, the Finoli Drive entrance and the Lynch Drive entrance.

Lyceum

The Lyceum provides meeting and programming space for Residence Life Staff, faculty, and students as well as science faculty offices.

Lynch Hall

The offices for the Campus President, Vice President for Academic Affairs, and Assistant Vice President for Academic Affairs are located in Lynch Hall. In addition, Lynch Hall is home to the Office of Human Resources, the Title IX Office, the Office of University Relations and Institutional Advancement (including Foundation and Corporate Relations, Media Relations, Alumni Affairs, and Online Communications), and the Director of Finance and Risk Management.

McKenna Hall

McKenna Hall houses two computer classrooms, two regular classrooms, one VLI classroom, Residence Life offices, and supports both academic and administrative users with infrastructure for network and telephone connections.

Millstein Library

In addition to its library facilities, Millstein Library is home to the Office of Financial Aid, the Office of the Registrar, the Academic Advising Center, the Study Abroad Office, the Learning Resources Center, and the Office of Business Services and Student Accounts.

Plant Maintenance

This building serves as the hub of the Plant Maintenance Department with offices on the second floor and a workshop on the ground floor.

Powers Hall

Powers Hall is the major classroom building at Pitt-Greensburg containing 13 classrooms, a small auditorium, and faculty offices. All of the classrooms in Powers Hall are equipped as electronic classrooms to facilitate the use of multimedia and instructional technology.

Ridilla Athletic Fields

The Ridilla Athletic Fields, established in 1989, are located behind Millstein Library and Lynch Hall. They feature two full-sized soccer fields, as well as Pitt-Greensburg's baseball field (Bobcat Park).

Robertshaw Hall

Robertshaw Hall is a traditional-style residence facility for 96 students. Rooms in this hall house two students, and every two rooms share a bathroom. The building offers a spacious TV lounge, two study rooms, a large main lobby, a recreation room, and the best view of the beautiful campus.

Rossetti House

Rossetti House is an attractive colonial-style house originally converted for use as a residence hall. In 2005, it was adapted to office space and now houses the Office of Admissions. It contains 9 offices, a conference room, a reception area, a lunch room, and several storage areas.

Safety and Security Center

The Greensburg Campus Police Building, attached to the west end of Smith Hall, houses the campus police, mail service, and telephone operator.

Albert B. Smith Hall

Smith Hall contains eight classrooms, science laboratories, offices for most of the faculty in the Division of Natural Sciences, and the 266-seat Ferguson Theater. All of the Smith Hall classrooms are equipped as electronic classrooms with facilities for multimedia and computer presentations.

Softball Field

Pitt-Greensburg's \$1 million state-of-the-art softball field opened for play in March 2012. Home to the Pitt-Greensburg softball team, it features a beautiful playing surface, two cement dugouts, on-site batting cages, two bullpens, and paved parking for 20 to 25 vehicles.

University Court

University Court is a three-building, apartment-style residence for as many as 130 students. Each apartment contains 2 bedrooms, a large living room, a dining alcove, a kitchen, and a modern bathroom. Four to five students share the apartment.

Village Hall

Village Hall provides shared meeting and programming space for the Academic Village. The campus coffeehouse as well as offices for the Director of the Village and the student newspaper are also located in Village Hall. Student mailboxes for Village residents and a lounge area can also be found in Village Hall. See the Academic Village section for more details on Pitt-Greensburg's Academic Village program.

Westmoreland Hall

The newest residential space built at Pitt-Greensburg opened in fall 2005. Westmoreland Hall is an apartment-style residence hall that offers single bedrooms for 93 students. Each apartment has four single bedrooms, a spacious living room, two bathrooms, and a kitchenette. The kitchenette includes a full-size refrigerator, microwave, sink, and cabinet space.

Computer Facilities

Pitt-Greensburg provides its students with easy access to a rich array of computing and networked information resources. Every residence hall room/apartment is equipped with network ports for PittNet and Internet access, and all students receive a significant package of productivity software that includes Microsoft Windows and Microsoft Office at no cost.

The primary, state-of-the-art computing lab in Frank A. Cassell Hall features seventy-eight machines, each Energy Star compliant to the highest possible level. In this, and the other four computing labs available for students, students have access to a variety of software for document processing, programming, data management, statistical analysis, second language study, and mathematical and scientific exploration, as well as facilities for printing. A digital media lab is also available that provides a rich array of digital tools from cameras, poster printing, and video editing through to music and audiovisual tools.

Cassell Hall also houses a computing services suite where students can go for technology support. This ranges from walk-in requests to connect devices to the network through to complete system (hardware and software) rebuilds and repairs. The department prides themselves on the level of service they offer to residential and commuter students, and receive very positive feedback.

The Pitt-Greensburg campus also boasts a number of computer classrooms and distance learning facilities that are used for hands-on instruction at all levels of computer and information sciences, as well as by language, science, business, and math classes for computer-based instruction.

Library Facilities

One of many libraries of the University Library System, the Millstein Library maintains a collection of books, journals, microfilm, videotapes, DVDs, and compact discs designed to enhance the undergraduate curriculum. Currently the library houses more than 75,000 print volumes and more than 25,000 non-print items in various formats. The UPG Archives, detailing the history of the Pitt Greensburg campus, is also maintained on-site with an accompanying online image database hosted by the University Library System, UPG Visual History. Students are able to search the University of Pittsburgh Digital Library both on-site and remotely, with access to more than 5 million titles on PITTCat+, as well as thousands of bibliographic, full-text and image databases.

With a staff of seven, the library provides various services such as reference assistance, interlibrary loan, library instruction, and tours to all students, faculty, and staff on the Greensburg campus. Access to all library services, such as Ask A Librarian, is also provided virtually through the Millstein Library Web site. Other facilities on-site include a library computer lab, a digital media lab, touch-screen scanner, group study rooms, adaptive computing devices, a microfilm reader/printer, and photocopy machine. The library is also home to the Joan Chambers Children's Literature Collection and the Carl F. Poke Media Collection.

Faculty at Pitt-Greensburg

The teaching faculty at Pitt-Greensburg consists of 81 full-time and 58 part-time members. The faculty on the Greensburg campus compare very favorably to the faculties in the undergraduate schools on the Pittsburgh campus and other liberal arts colleges. On a percentage basis, Pitt-Greensburg has more winners of the Chancellor's Award for Distinguished Teaching than any other school or campus of the University of Pittsburgh. More than 85 percent of the full-time faculty has achieved the highest degree in their fields (usually a PhD). Additional faculty members are close to completing the requirements for a doctoral degree. Although their primary commitment is to teaching, Pitt-Greensburg faculty also have an impressive record of scholarship through publishing books, writing articles for professional journals, and presenting papers at national and international conferences.

One clear advantage of a small campus is the opportunity for closer interaction between faculty and students. At Pitt-Greensburg, faculty work closely with students, not only in the classroom, but also as advisors in helping students to develop their academic goals and plans and as joint participants in academic villages and other extracurricular activities.

A complete listing of Pitt-Greensburg faculty may be found in the Directory section near the end of this publication.

Housing and Residence Life

Living on campus provides students with new opportunities for personal and social growth through participation in campus life and interaction with a diverse group of people. The friends made in college are often some of the closest and most long-lasting of one's life. The University of Pittsburgh at Greensburg offers student housing in five distinct residence complexes:

- Academic Village ***
- College Hall
- Robertshaw Hall
- University Court

Westmoreland HallAll the residence halls are within easy walking distance of other campus facilities and each has its own character and advantages. Each room or apartment offers appropriate furnishings and amenities that include a cable TV service, laundry facilities, and parking. Wireless Internet is available throughout all residential facilities. Students may also request that a wired Internet port be activated in their room/apartment. Campus police make frequent rounds of the residence halls and surrounding areas and are accessible 24 hours a day, seven days a week. Student community assistants (CA) are assigned to each residence hall area. The CAs are trained to provide support for residents and to help maintain a safe, comfortable atmosphere in the residence halls. See the Campus Facilities section for more details about each residence complex.

Students who wish to live on campus must submit a completed Housing and Food Service Application and Contract to the Office of Housing and Residence Life. The deadline for new students to apply for housing is on May 1st for both freshmen and transfers. Housing for freshmen and transfer students is assigned on a first-come, first-served basis except in special interest housing areas such as Academic Village. Students who wish to live in the Academic Village must complete an additional, separate application for village membership. Directions, deadlines, and forms are available at the housing Web site at www.greensburg.pitt.edu/student-life/housing. See the Academic Village section for more information about Pitt-Greensburg's Academic Village system.

Students with disabilities who require adapted facilities or services should contact the office of Housing and Residence Life in writing as soon as possible to document their disabilities and their needs or requests. Request will be sent to the Office of Disability Resources and Services for review.

Students with disabilities must meet the standard guidelines for housing eligibility. For additional questions or concerns, you can contact the Director of the Learning Resources Center at 724-836-7098 or the Office of Housing and Residence Life at 724-836-7869.

A mandatory, non-refundable housing deposit must accompany the application and contract for housing and food service. This fee is credited toward the student's room and board charges for the spring term of the contract. In applying for housing, students must also select one of the meal plans offered by Chartwells Food Services. All housing and food charges for the coming term must be paid in advance or alternate arrangements must be made with the Office of Student Accounts before the student will be permitted to move in.

Students are responsible for the physical condition of their rooms or apartments and the common areas in their buildings. All resident students living in the residence halls must abide by the University's *Student Code of Conduct* as well as any supplemental residence hall provisions.

The goal of the Office of Housing and Residence Life is to assist resident students in creating an atmosphere that is conducive to both living and learning. Additionally, the staff is committed to helping students learn to live within a community, engage in leadership and community service opportunities, and obtain better understanding of how to interact respectfully with their fellow students. The staff in the Office of Housing and Residence Life includes a director, an assistant director, a resident director, two graduate resident directors, and a graduate assistant. The staff of the Office of Housing and Residence Life is responsible for the day-to-day operation of the residence halls. They, along with the student CAs, offer social, recreational, and educational programming activities throughout the year.

***Academic Village

Pitt-Greensburg's Academic Village offers a unique living and learning experience to high-achieving students with interests ranging from the sciences and technology to the arts, politics, history, and foreign cultures. The Academic Village allows students to become an integral part of a thriving community of students and faculty members who share common interests and academic drive. Students gain a unique perspective by combining classroom learning with interesting hands-on programming outside the classroom. Village members also have special opportunities for leadership and coursework not available to non-members. Students in the Academic Village work with faculty from all disciplines by participating in event planning, debates and discussions, small group workshops and more. The Village Senate enriches life in the Village by planning social events, sponsoring live music events and participating in community service projects. Students looking for a community that embraces learning and diversity, that encourages students to explore their interests and helps them to become better students and human beings, find their home in the Academic Village.

Policies

Alcohol Policy

Pitt-Greensburg enforces the Pennsylvania law related to underage drinking by students less than 21 years of age. In addition, Pitt-Greensburg prohibits the consumption and possession of alcohol by any student or his/her guest regardless of age anywhere on the Pitt-Greensburg campus without the explicit approval of the campus administration. Pitt-Greensburg operates the Personal Responsibility initiated through Drug and Alcohol Education (PRIDE) program to identify students with substance abuse problems as early as possible and to develop a high level of awareness among students of the dangers of alcohol. Students who violate the campus alcohol policy are required to participate in the PRIDE program. For more information, please refer to the alcohol policy found in the online student handbook on the Pitt-Greensburg web page.

Affirmative Action Policy Statement

The University of Pittsburgh, as an educational institution and as an employer, values equality of opportunity, human dignity, and racial/ethnic and cultural diversity. Accordingly, as fully explained in Policy 07-01-03, the University prohibits and will not engage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry, sex, age, marital status, familial status, sexual orientation, gender identity and expression, genetic information, disability, or status as a veteran. The University also prohibits and will not engage in retaliation against any person who makes a claim of discrimination or harassment or who provides information in such an investigation. Further, the University will continue to take affirmative steps to support and advance these values consistent with the University's mission. This policy applies to admissions, employment, and access to and treatment in University programs and activities. This is a commitment made by the University and is in accordance with federal, state, and/or local laws and regulations.

For additional information on the University's equal opportunity and affirmative action programs and complaint/grievance procedures, refer to University Policy 02-02-15 or 07-01-03, or contact the Greensburg Human Resources Director and Title IX Liaison, 108 Lynch Hall, (724) 836-9902

or the Office of Affirmative Action, Diversity and Inclusion, 500 Craig Hall, University of Pittsburgh, Pittsburgh PA 15260, (412) 648-7860., or diversity@pitt.edu.

Notice of Non Discrimination

The University of Pittsburgh does not discriminate on the basis of disability, race, color, religion, national origin, ancestry, medical condition, genetic information, marital status, familial status, sex, age, sexual orientation, veteran status or gender identity and expression in its programs and activities. The University does not tolerate discrimination, harassment, or retaliation on these bases and takes steps to ensure that students, employees and third parties are not subject to a hostile environment in the University programs or activities. The University is committed to taking prompt action to end a hostile environment if one has been created, prevent its recurrence, and remedy the effects of any hostile environment on affected members of the campus community.

For complete details on the University's Nondiscrimination, Equal Opportunity, and Affirmative Action Policy (07-01-03) and Sexual Misconduct Policy (06-05-01), please visit <http://diversity.pitt.edu/affirmative-action/policies-procedures-and-practices>

Computing Use Policy

Every member of the University community has two basic rights regarding computing: privacy and a fair share of resources. It is unethical for another person to violate these rights. All users, in turn, are expected to exercise common sense and decency with regard to the campus computing resources. Please read the Ethical Guidelines for Computing online at <http://technology.pitt.edu/support/university-policies-related-to-technology> for details.

Students are subject to the rules and regulations as described in the University of Pittsburgh's *Student Code of Conduct*. Students should realize that any misuse of computing resources may result in the suspension of their computing privileges.

Copyright Policy

The University of Pittsburgh affirms that, except as specifically exempted by this policy, faculty, staff, and students are entitled to claim copyright ownership, including worldwide rights, in the following works authored by them: books, articles, educational coursework, similar works that are intended to disseminate the results of academic research or scholarly study, popular fiction or nonfiction works, poems, musical compositions, and other works of artistic imagination.

The University has no proprietary interest in copyrightable materials produced by faculty, staff, or students under contract with entities external to the University (in which the faculty, staff, or students have no controlling or majority interest), except as specifically exempted by this policy. For complete text of the policies, including the aforementioned exemptions, see <http://www.cfo.pitt.edu/policies/documents/policy11-02-02.pdf>.

Drug Free School and Workplace Policy

The University of Pittsburgh prohibits the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance on University property or as part of any University activity. Faculty, staff, and students of the University must also comply with the laws of the Commonwealth of Pennsylvania on the possession and consumption of alcohol. Violation of this policy will result in disciplinary action, including, but not limited to a warning, written reprimand, suspension, dismissal, expulsion, and/or mandatory participation and successful completion of a drug abuse assistance or rehabilitation program approved by an appropriate health or law enforcement agency. Any University employee paid from federally-funded grants or contracts, or any student participating in any federally-funded or guaranteed Student Loan Program, must notify the University of any criminal drug statute conviction for a violation occurring at the University or while engaged in University activities. For more information, see <http://www.cfo.pitt.edu/policies/policy/06/06-01-02.html>.

Faculty-Student Relationships

The University's educational mission is promoted by professional relationships between faculty members and students. Relationships of an intimate nature (that is, sexual and/or romantic) compromise the integrity of a faculty-student relationship whenever the faculty member has a professional responsibility for the student. The University prohibits intimate relationships between a faculty member and a student whose academic work, teaching, or research is being supervised or evaluated by the faculty member.

If an intimate relationship should exist or develop between a faculty member and a student, the University requires the faculty member to remove himself/herself from all supervisory, evaluative, and/or formal advisory roles with respect to the student.

Definition Note: In this policy, the definition of faculty member refers to anyone appointed by the University as a teacher, researcher, or academic administrator, including graduate and undergraduate students so appointed. For complete text on this policy, see <http://www.cfo.pitt.edu/policies/policy/02/02-04-03.html>.

Family Educational Rights and Privacy Act (FERPA)

The Federal Family Educational Rights and Privacy Act (FERPA), also known as the Buckley Amendment, is designed to protect the privacy of students. It requires the University to comply with the following principles:

- Student records are open for inspection by students upon request. Specific documents that students have waived their right to inspect remain confidential.
- Students have a right to challenge the accuracy of records and to request that they be amended.
- The institution may not release student records outside the institution without student consent, unless one of several exceptions applies.
- Requests from outside the institution for information regarding students should be documented, as should releases of student information.
- Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of the Family Educational Rights and Privacy Act.
- Students have a right to obtain a copy of the University policy regarding the Family Educational Rights and Privacy Act. It may be obtained in the Office of the Registrar.
- The University may establish categories of information known as "Directory Information" and release this information without student consent, upon request by individuals external to the institution. Students may request that the categories below be excluded from Directory Information that would be released without student consent, upon request by a third party.

Directory Information includes the following information:

- Name
- Address
- Telephone number and e-mail address
- Major field of study
- Achievements, degrees, academic awards or honors
- Weight and height, if a member of athletic teams
- Place of birth
- Previous educational institutions
- Participation in officially-recognized activities and sports
- Student's photograph

When the Office of the Registrar receives a student's refusal to permit the release of "Directory Information," no further disclosures are made without that student's written consent (except to parties who have legal access to student records without written consent). To rescind this action, the student must submit a request in writing to the Office of the Registrar. Note that the following procedures apply:

- Students may review their educational records by submitting a written request to the records custodian in the appropriate University unit. A listing of those University offices that routinely possess educational records of students are set forth in University Procedure 09-08-01.
- Students may request amendment of educational records by submitting a written request to the records custodian and following the steps set forth in University Procedure 09-08-01.
- As set forth in University Policy 09-08-01, access to a student's educational records may be required and permitted by University faculty and staff for legitimate educational purposes where access by such individuals is necessary to complete their University-related duties.

Harassment Policy

No University employee, student, or individual on University property may intentionally harass or abuse a person (physically or verbally) with the purpose or effect of unreasonably interfering with such person's work or academic performance, or of creating an intimidating, hostile, or offensive work or academic environment.

Immunization Policy

The University requires the immunization of all incoming freshmen against measles, mumps, and rubella as a condition of attendance at the University of Pittsburgh. The University also requires the meningitis immunization for students who are residents. It is optional for commuters. Incoming freshmen must provide to the University Student Health Center documentation of immunization that includes the month, day, and year that the immunizations were administered. Completed immunization forms must be kept on file in the Student Health Center.

Exemptions may be granted based on a written statement from a physician that the immunization may be detrimental to the health of the student or on a student's objection to immunization on religious grounds or on the basis of a strong moral or ethical conviction similar to a religious belief. However, if an outbreak of measles, mumps, or rubella occurs, the State Health Department may exclude from classes students who do not provide proof of immunity to these diseases. For more information, see <http://www.cfo.pitt.edu/policies/policy/06/06-01-02.html>.

Notice to Individuals with Disabilities

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Director of the Learning Resources Center, Dr. Lou Ann Sears, Room 240 Millstein Library Building (724) 836-7098 (voice) or los3@pitt.edu as early as possible in the term. The Learning Resources Center will verify your disability and determine reasonable accommodations for this course.

In July and August, students interested in disability services should get in touch with Beth Tiedemann, the Director of Advising and Registrar in the Millstein Library Building 103: 724-836-7182 voice or tiedeman@pitt.edu.

Patent Policy

A University student, during his or her period of enrollment, may be responsible for new discoveries and inventions that could have commercial value and contribute to scientific, technological, social, and cultural progress. Those accomplishments should be patented in the best interest of the student, the University, the public, and the government. The University's policy on patents determines the rights and obligations of the student and the University in any technology the student may invent while enrolled in the University. Details of this University policy are available from the Office of Technology Management or at <http://www.cfo.pitt.edu/policies/policy/11/11-02-01.html>.

Sexual Harassment

The University of Pittsburgh is committed to the maintenance of a community free from all forms of sexual harassment. Sexual harassment violates University policy as well as state, federal, and local laws. It is neither permitted nor condoned.

It is also a violation of the University of Pittsburgh's policy against sexual harassment for any employee or student at the University of Pittsburgh to attempt in any way to retaliate against a person who makes a claim of sexual harassment.

Any individual who, after thorough investigation and an informal or formal hearing, is found to have violated the University's policy against sexual harassment will be subject to disciplinary action including, but not limited to, reprimand, suspension, termination, or expulsion. Any disciplinary action taken will depend upon the severity of the offense. For complete policy text visit <http://cfo.pitt.edu/policies/documents/policy06-05-01web.pdf>

Smoking Policy

Smoking is prohibited in all University-owned and leased facilities, including residence halls and off-campus housing facilities, and in all University vehicles, including motor pool vehicles, campus buses, and vans, with explicit limited exceptions described in University Policy 04-05-03. The University Smoking Policy and Procedures prohibit smoking within 25 feet of all University building primary entrances and HVAC intake vents. Primary entrances should be defined as the common public access points to each building, and is not intended for doors exclusively designated as emergency exits only or service entrances. Portions of entrances and loading docks that are under building cover (such as an overhang/porch) and interior garages shall be considered as inside the building, and smoking shall be prohibited. For complete policy text, see <http://www.cfo.pitt.edu/policies/policy/04/04-05-03.html>.

University AIDS Policy

The University of Pittsburgh does not discriminate against individuals who are diagnosed as HIV positive or as having AIDS. The University recognizes that the health condition of individuals is personal and confidential. Reasonable precautions will be taken to protect information regarding the health condition of all members of the University community. Based on medical evidence that indicates that there is no risk of transmitting HIV through casual contact in the classroom or circumstances involving only casual contact with others, the University will impose no undue restrictions on faculty, staff, or students who are infected with HIV. For complete text on this policy, see <http://www.cfo.pitt.edu/policies/policy/06/06-01-03.html>.

Student Athletics

Intercollegiate Athletics

The University of Pittsburgh at Greensburg competes athletically as a member of the NCAA Division III. Full membership was granted by the NCAA in September 2002. Pitt-Greensburg is a charter member of the Allegheny Mountain Collegiate Conference, which includes D'Youville College, Franciscan University, Hilbert College, La Roche College, Medaille College, Mt. Aloysius College, Penn State Altoona, Penn State Behrend and Pitt-Bradford. The school colors are navy and gold, and the mascot is the Bobcat. Currently, Pitt-Greensburg teams compete in the following sports:

Men	Women
Baseball	Basketball
Basketball	Cross Country
Cross Country	Soccer
Golf	Softball
Soccer	Tennis
Tennis	Volleyball

Intramural Athletics

The intramural athletic program at Pitt-Greensburg promotes better health and wellness among students and provides opportunities for greater participation in campus activities. Intramural sporting events take place throughout the academic year and include volleyball, tennis, flag football, soccer, basketball, ping pong, and billiards.

Student Services

Student Activities Board

Most campus social events such as Arts and Entertainment, Sports Night, off-campus programs, novelty events, lectures, and cultural programs at Pitt-Greensburg are offered through the Student Activities Board (SAB.) Students serving on the SAB plan, promote, and produce a variety of educational, social, and recreational programs.

Student Government

The Student Government Association (SGA) is elected by the student body and is authorized by the University to represent the student body on all matters concerning student life. SGA's basic purposes are to allocate student activity fees, to promote student involvement in University planning and decision making, and to serve as the principal forum for student views.

The Resident Student Council (RSC) provides an opportunity for students to become actively involved in shaping the residential environment. RSC represents the residents' views on issues such as changes to residence hall policies, upgrades to facilities, and provides programming within the residence halls.

Student Involvement Transcript

The Student Involvement Transcript provides a record of a student's co-curricular activities analogous to the academic transcript. The involvement transcript can list scholarships, honor societies, leadership activities, organization memberships, campus-sponsored travel and study abroad experiences, athletic participation, and almost anything else a student would like to include. Students can use the involvement transcript, along with their academic transcripts, résumé, and career portfolio, to provide prospective employers with a multifaceted record of their accomplishments. The campus uses the involvement transcript as an aid in reviewing student applications for honors and scholarships. The transcript is facilitated through the Pitt-Greensburg CollegiateLink site and is overseen by the Office of Student Services.

The Greensburg Experience More Program

The Greensburg Experience More (GEM) program provides students with a co-curricular experience that complements and enhances their classroom learning. Participants engage in structured professional and personal skill development across five core components - Leadership Development, Service, Career Development, Cultural Awareness and Appreciation, and Pitt- Greensburg Pride and Traditions. Upon completion students are recognized during Honor's Convocation and in the Commencement Program, as well as inducted in the GEM society and acknowledged on a perpetual plaque outside of Student Services.

Student Organizations

Student organizations also sponsor a variety of programs and activities each year. The student organizations at Pitt-Greensburg provide many opportunities for students to become involved on campus and in the community. These organizations include:

Honor Societies

Alpha Phi Sigma	Criminal Justice Honor Society
Beta Beta Beta	Biology Honor Society
Chi Alpha Sigma	Student Athlete Honor Society
Delta Psi Omega	Theatre Honor Society
DaVinci Society	Juniors & seniors selected for academic excellence, leadership, service and international experience
Gamma Sigma Epsilon	Chemistry Honor Society
Lambda Pi Eta	Communication Honor Society
Phi Eta Sigma	Freshman Honor Society

Phi Kappa Phi	Senior Honor Society
Phi Lambda Theta	Education Honor Society
Pi Gamma Mu	Social Science Honor Society
Pi Sigma Alpha	Political Science Honor Society
Psi Chi	Psychology Honor Society
Sigma Tau Delta	English Honor Society

Academic Organizations

- Accounting & Business
- Management Club
- Health and Rehab Sciences Club
- Math Club
- Science Club
- Spanish Club
- SPSEA (Student Pennsylvania State Education Association)
- Criminal Justice Club

Service Organizations

- Alpha Phi Omega
- American Red Cross
- Circle K
- Habitat for Humanity
- Outdoor Adventure and Community Service (OACS) Club

Special Interest Organizations

- Active Minds
- Animal Lovers Club
- Bowling Club
- Christian Fellowship Club
- College Action Sports
- College Democrats
- College Republicans
- Diversity Student Coalition
- Environmental Club
- Gay Straight Alliance
- Ice Hockey Club
- Nerdfighters
- *Pendulum* (literary journal)
- Performing Arts Society
- Photography Club
- Ski Club

- Student Athlete Advisory Council
- *The Insider* (student newspaper)
- Unity in Dance
- Village Senate
- Visual Arts Society
- Weight Lifting & Fitness
- Writing Club
- Yoga Club

Administrative Officers, Schools, and Campuses

University of Pittsburgh at Greensburg
150 Finoli Drive
Greensburg, PA 15601
724-837-7040
www.greensburg.pitt.edu

Administrative Officers, University of Pittsburgh

Patrick D. Gallagher, PhD
Chancellor and Chief Executive Officer

Patricia E. Beeson, PhD
Provost and Senior Vice Chancellor

Arthur S. Levine, MD
Senior Vice Chancellor for Health Sciences and Dean of the School of Medicine

Jerome Cochran, JD
Executive Vice Chancellor

Arthur G. Ramicone, MBA
Chief Financial Officer

Amy K. Marsh, MBA
Chief Investment Officer and Treasurer

P. Jerome Richey, JD
General Counsel

B. Jean Ferketish, PhD
Secretary of the Board of Trustees and Assistant to the Chancellor

University of Pittsburgh at Greensburg

Administration

Sharon P. Smith, PhD, *President*
Jacqueline M. Horrall, PhD, *Vice President for Academic Affairs*
Dean Nelson, PhD, *Asst. Vice President for Academic Affairs*
Joseph Bleehash, BA, AIA, LEED AP, *Director of Facilities & Security*
Ronna S. Colland, BS, CPA, *Director of Finance and Risk Management*
Scott L. Coulson, MS, *Director of Computing and Telecommunications*
Rick A. Fogle, MS, *Dean of Student Services*
Mary Anne Koleny, MA, SPHR, *Director of Human Resources & Title IX Liaison*

Susan M. Isola, MFA, *Director of Media Relations*

Jodi B. Kraisinger, BS, *Director of University Relations and Institutional Advancement*

Academic Affairs

Brandi S. Darr, BS, *Director of Financial Aid*

Heather L. Kabala, BS, *Director of Admissions*

Eric Kimball, PhD, Interim Chair, *Division of Behavioral Sciences*

Sayre N. Greenfield, PhD, Chair, *Division of Humanities*

Dean Nelson, PhD, Chair, *Assistant Vice President for Academic Affairs*

Mark T. Stauffer, PhD, Chair, *Division of Natural Sciences, Mathematics, and Engineering*

Kearsten Adams, MT, *Academic Advisor*

Jessica Barch, MA, *Academic Advisor*

Karen M. Ricco, MEd, *Academic Advisor*

Richard A. Romano, MA, *Academic Advisor*

Michele L. Shuey, MA, *Academic Advisor for Seniors/Coordinator of International Studies*

Elizabeth E. Tiedemann, MA, MEd, *Director of Academic Advising and Registrar*

Carin Winters, MEd, *Academic Advisor*

Michelle Apodaco, BA, *Study Abroad Coordinator*

Student Services

Anthony Berich, MS, *Director of Athletics and Recreation*

Gayle F. Pamerleau, MSW, *Director of Counseling*

Sheila Confer, MA, *Coordinator of Academic Villages*

Pam Reed, BSN, *Director of Student Health Center*

Leigh R. Hoffman, MS, *Assistant Dean of Student Services and Director of Orientation*

Troy Ross, MS, *Director of Housing and Residence Life*

Dorothy M. Zilic, MS, *Director of Career Services*

Al Theil, MA, *Director of Student Activities*

University of Pittsburgh at Greensburg Faculty

Full-Time Faculty

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Paul S. Adams, *Associate Professor, Political Science*, BA, George Mason University; MA, Florida State University; PhD, University of Massachusetts-Amherst

Gregory Aldous, *Assistant Professor, History*; BS, University of Alabama; MS, PhD, University of Wisconsin

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(As of Fall Term, 2011)

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Centers, Institutes, Laboratories, and Clinics by School

College of General Studies

Learning Solutions Technology Center
McCarl Center for Nontraditional Student Success
Osher Lifelong Learning Center

Graduate School of Public and International Affairs

Johnson Institute for Responsible Leadership
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Also see Jointly-Administered Centers.

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Entrepreneurial Fellows Center
The Family Enterprise Center
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Motor Behavior Laboratory
Office of Child Development
Physical Activity and Weight Management Research Center
Reading Center
School of Education Computer Laboratories, which include the Cooley Lab (Posvar Hall) and the Trees Hall Lab
Science Education Laboratory

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U/Lab

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Center for Healthy Environments and Community
Center for Minority Health
Center for Public Health Practice
Center for Public Health Preparedness
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Center for Rural Health Practice
Clinical Oncology Program Biostatistical Center
Epidemiology Data Center
EXPORT Health
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School of Dental Medicine

Center for Craniofacial and Dental Genetics
Center for Dental Informatics
Center for Oral Health Research in Appalachia
Multidisciplinary Implant Center
Also see Jointly-Administered Centers.

School of Health and Rehabilitation Sciences

Adaptive Living Laboratory
Human Occupational Laboratories
Rehabilitation Engineering Research Center in Telerehabilitation
Rehabilitation Engineering Research Center on Transportation Safety
Also see Jointly-Administered Centers.

School of Pharmacy

Center for Education and Drug Abuse Research
Center for Pharmacogenetics
Center for Pharmacoinformatics and Outcomes Research
Pharmacodynamic Research Center
Also see Jointly-Administered Centers.

School of Medicine

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American Parkinson Disease Association Center for Advanced Research
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Brain Trauma Research Center
Center for ALS Research
Center for Biologic Imaging
Center for Advanced Brain Magnetic Imaging
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School of Nursing

Center for Nursing Research
Center for Research in Chronic Disorders
Also see Jointly-Administered Centers.

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Center for Philosophy of Science

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Student Health Service
University Counseling Center

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Center for Performing Arts of India
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Center for West European Studies
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Titusville Campus

George J. Barco Center for Continuing Education

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Global Studies Program
Matthew B. Ridgway Center for International Security Studies, which includes the Ford Institute for Human Security

Health Sciences ²

Center for Clinical Pharmacology
Center for Continuing Education in the Health Sciences
Center for Environmental Oncology
Center for Injury Research and Control
Division of Laboratory Animal Resources
Facial Nerve Center
Genomics and Proteomics Core Laboratories
Head and Neck Cancer Specialized Program of Research Excellence
Institute for Clinical Research Education
Lung Cancer Specialized Program of Research Excellence
Musculoskeletal Institute
Oral Cancer Center
Pittsburgh AIDS Center for Treatment
Transgenic and Gene Targeting Facility

Health Sciences ²/Bioengineering

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Musculoskeletal Research Center
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Health Science/Children's Hospital of Pittsburgh/Magee Womens Hospital and Research Institute

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Disabilities Resource Center
Health Sciences/UPMC Health System
Center for Assistive Technology
Center for Biosecurity
Center for Environmental Oncology
Center for Sports Medicine
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Position Emissions Tomography Center
Safar Center for Resuscitation Research
Simmons Center for Interstitial Lung Diseases
Center for Sleep Medicine
Sinus and Allergy Center
STAR Center (Services for Teens at Risk)
Stroke Institute
Thomas E. Starzl Transplantation Institute
University of Pittsburgh Headache Center
Voice Center
Weight Management Center
Paul Wellstone Muscular Dystrophy Cooperative Research Center
Western Psychiatric Institute and Clinic
Late-Life Mood Disorder Evaluation and Treatment Center

School of Medicine/VA Pittsburgh Health Care System

Geriatric Research Education and Clinical Center
Center for Health Equity and Research Promotion

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Brain Imaging Research Center
Center for the Neural Basis of Cognition
Real-time Outbreak and Disease Surveillance Laboratory
Pittsburgh Center for Social History
Pittsburgh Mind/Body Center
Pittsburgh NMR Center for Biomedical Research

University of Pittsburgh/Carnegie Mellon University/Duquesne University/UPMC Health System/Windber Research Institute

Pittsburgh Tissue Engineering Initiative
University of Pittsburgh/Carnegie Mellon University /Sandia National Laboratories
Pittsburgh Molecular Libraries Screening Center

University of Pittsburgh/Carnegie Mellon University/Westinghouse Electric Corporation

Pittsburgh Supercomputing Center

University-wide

Institute of Politics

¹ Centers and institutes in the category "University Centers and Institutes" are distinguished by organizational permanence, programmatic autonomy, and an annual operating budget fiscally independent of any other academic, research, and/or service unit.

² Centers and institutes listed are jointly-administered by two or more schools of the Health Sciences, which includes: Graduate School of Public Health, School of Dental Medicine, School of Health and Rehabilitation Sciences, School of Nursing, School of Pharmacy, and School of Medicine.

Note: The centers, institutes, laboratories, and clinics listed are University of Pittsburgh or University affiliated organizations. They are either single or multidisciplinary in scope, and are generally involved in some combination of education, research or service activities. Each center, institute, laboratory, and clinic is listed under the name of the unit with which it is associated.

Admissions

Requirements for Full-Time Admission

Applicants for full-time admission must have completed 15 units of college preparatory courses in grades 9 through 12, including a minimum of four units of English, one unit of algebra I, one unit of plane geometry or algebra II, one unit of history, one unit of a laboratory science, four units of the same second language*, and four units of academic electives. A unit refers to one year of study in high school.

The Office of Admissions strongly recommends that students take three or four years of mathematics in high school (including two years of algebra), two or three years of science, two or three years of history or other social studies, and four years of a single second language.

**Note: Applicants who do not meet the second language component of these requirements may still apply for admission. If admitted, students will be required to complete an equivalent number of units of a second language at Pitt-Greensburg.*

Students who hold a GED and wish to be considered for full-time admission must have completed the minimum of 15 academic units before exiting high school. Official high school transcripts and a copy of the General Equivalency Diploma are required.

Students interested in engineering should have taken two years of algebra, one-half year of trigonometry, and one year each of plane geometry, chemistry, and physics. In addition, calculus and computer science are recommended.

Students interested in Nursing should meet the following academic criteria and must have the required high school courses: 3.2 Minimum High School GPA, 1170 Minimum SAT score, four units English, Four units Math, Three units lab science (one must be chemistry) , and Five units of other academic electives (stats or computer science strongly recommended)

Students who have completed courses through a college-in-high school, dual enrollment, or similar program must submit an official transcript from the college or university from which credits were awarded, whether or not it is intended that such courses be counted toward a degree at the University of Pittsburgh. (Please refer to the Transfer Student section below for information about transfer credits.)

Factors considered when making an admission decision include: high school curriculum, cumulative grade point average (weighted), class rank, and SAT and/or ACT scores. Though optional, applicants are strongly encouraged to submit an admission essay and/or letters of recommendation as these often provide a more complete picture of the applicant.

Requirements for Part-Time Admission

Courses may be taken on a part-time basis for credit toward a degree or on a non-degree basis. Part time admission to degree programs is open to high school graduates or those who hold recognized equivalency certificates (GED). While no specific high school preparation is required, the following secondary school subjects are recommended: four years of English, four years of a second language, three years of history and social studies, one year of algebra, one year of plane geometry, and one year of physics, chemistry, or biology.

Note: Applicants with incomplete high school preparation may qualify for admission by taking the examinations given by the Pennsylvania Department of Education and earning a high school equivalency certificate (GED). Information about these examinations may be obtained by writing to: Commonwealth of Pennsylvania, Department of Education, Bureau of Special Services for Pupils, Division of Guidance and Testing, Harrisburg, PA 17102, .

Transfer Students

Students who have earned credit at another institution before entering or since last registered at Pitt-Greensburg must apply to the Office of Admissions for admission or readmission with advanced standing. An applicant who has earned 12 or less college credits is considered a freshman with advanced standing. Those students who have earned more than 12 college credits are typically considered transfer students. An official transcript of all courses taken at other schools must be submitted at the time of application, whether or not it is intended that such courses be counted toward a degree at the University of Pittsburgh. These credits are not merely units to be added to those earned here. To be accepted, credits must be the basis for, or an integral part of, the program the student expects to pursue for a degree from the college. Courses must be passed with a satisfactory grade (at least a C or the equivalent) and must be earned at an institution accredited by the appropriate regional accrediting association. Grades for such courses are not used in computing a student's GPA or in determining probationary status or eligibility for graduation honors.

Evaluation of previous credits are performed by the Assistant Director of Admissions or an academic advisor. All credits eligible for transfer are subject to the following regulations:

Application Procedure

Full-Time Admission

Candidates for full-time admission must:

1. Complete the **Application for Undergraduate Admissions** and choose full-time.
2. Forward your **high school transcript** to the Office of Admissions.
3. If applicable, submit **official transcripts for every post-secondary institution, college or university** you have attended.
4. Submit a **\$45 application fee**.
5. Admission essay and/or letters of recommendation are optional, but recommended.

Part-Time Admission

Candidates for part-time admission must:

1. Complete the **Application for Undergraduate Admissions** and choose part-time.
2. Forward your **high school transcript or original GED score** to the Office of Admissions.
3. If applicable, submit **official transcripts for every post-secondary institution, college or university** you have attended.
4. Submit a **\$45 application fee**.

Transfer Admission

Candidates for transfer admission must:

1. Complete the **Application for Undergraduate Admissions** and choose Transfer (as well as indicating status of full or part-time).
2. Forward your **final high school transcript or original GED score** to the Office of Admissions.
3. Submit **official transcripts for every post-secondary institution, college or university** you have attended.
4. Submit a **\$45 application fee**.

Changing Part-Time Status to Full-Time Status

Students admitted to part-time study may become candidates for full-time study upon approval from the Director of Academic Advising. Students must complete a change-of-status request and submit it to the Director of Academic Advising at least one month before the beginning of the term in which they wish to begin full-time studies.

Special Programs

University Preview

1. Students must be a high school junior or senior in good standing; the minimum age is 16.
2. Written permission is required from a high school counselor or principal and parent.
3. Available courses are listed online under University Preview or Dual Enrollment.
4. Students may take no more than one course per term (fall, spring or summer).

To apply, a student must submit an application, \$45 application fee, official high school transcript, SAT or ACT scores (if applicable), current curriculum, class rank and permission letters. Students are then evaluated for admission. Once admitted, students will contact the Academic Advising Center to schedule classes.

Deferred Admission

Admitted students who still plan to attend Pitt-Greensburg but wish to postpone their initial registration for up to one year may request deferred admission. Requests for deferred admission should be in writing and directed to the Office of Admissions. Students who receive deferred admission but who do not register within a year of their initial acceptance at Pitt-Greensburg must reapply for admission. Students deferring admission may not attend another university before beginning study at Pitt Greensburg.

Early Admission

High school students who have completed most of the requirements for graduation by the end of their junior year in high school may apply for early admission. A decision on early admission requires: (1) the approval of the Admissions Committee, (2) the consent of the student's parents/guardians, and (3) the approval of the school district superintendent that the student may forgo the senior year in high school and complete high school graduation requirements with college courses.

Visiting Students

Guest students are those who are working toward an undergraduate degree at another institution and wish to take undergraduate courses at the University of Pittsburgh at Greensburg. It is expected that the credits earned at Pitt-Greensburg will be transferred back to the home school to be used in satisfying the student's degree requirements. Guest student applicants must be in good academic standing at the home institution with a minimum 2.00 cumulative GPA on a 4.00 scale and must provide certification that the home school will accept the University of Pittsburgh courses in transfer. Guest students may register for any University of Pittsburgh at Greensburg course for which they have satisfied the prerequisites. Applicants must complete an Application for Admission and select Student Type as Visitor, provide a current copy of their undergraduate transcript. Admission is valid for one term. Students seeking enrollment for subsequent terms must reapply. There is a one-time application fee of \$45.

International Students

International students should follow the appropriate application procedure as outlined above and select the appropriate citizenship information on the application form. They must also complete the special application and forms available from the Office of International Services (OIS) at www.ois.pitt.edu. Both the Pitt-Greensburg and the OIS applications should be sent directly to the University of Pittsburgh at Greensburg.

Among the admission requirements for international students is proficiency in English. For citizens of a country whose official language is not English, proficiency can be demonstrated by a minimum score of 550 on the paper version of the Test of English as a Foreign Language (TOEFL) or a minimum score of 213 on the computer-based version, or a minimum score of 80 on the Internet-based version of TOEFL. International students seeking further training in English should consult the English Language Institute located on the Pittsburgh campus.

Second Undergraduate Degree

Those who have completed a bachelor's degree at an accredited institution can earn a second degree at Pitt-Greensburg. A maximum of 90 of the 120 credits required for the second degree may be granted as advanced standing from the credits earned for the first degree. A minimum of 30 credits and half of the credits in the new major must be completed at Pitt-Greensburg. The second degree must be in a field different from the first degree.

All second-degree students must fulfill all of Pitt-Greensburg's curricular requirements as well as prerequisites for a degree in the new major either by transfer of credits or by taking Pitt-Greensburg courses.

Students with less than an overall B average for the first degree who cannot fulfill the nine-credit communication skills requirement with transfer courses must fulfill it at Pitt-Greensburg either by challenge examinations or by taking the appropriate composition and public speaking courses.

College Over 55

Adults at least 55 years of age who love to learn are invited to take part in the "College Over 55" program through which adults can audit regular undergraduate courses. "Audit" means the adult learner earns no credit and generally does not participate in homework and exams. Adult learners can

take advantage of interesting lectures, meaningful discussions, readings on fascinating topics and continued intellectual growth. Participants may select available classes from the Pitt-Greensburg schedule and pay only \$25 for each course. For additional information and to register, contact the Office of the Registrar, 724-836-9899.

Veterans

The Office of the Registrar assists veterans, war orphans, and veterans' dependents in obtaining and using their VA educational benefits. Applications for benefits may be obtained from veterans' service organizations, the Office of the Registrar, Department of Veterans' Affairs regional offices at 1-888-G1-BILL1, or at www.gibill.va.gov.

Veterans must apply on VA form 22-1990 Application for Education Benefits. This application must be accompanied by a certified copy of their DD-214 Report of Separation form. DD-214 forms must be certified by a county court house official or a Department of Veterans' Affairs regional office. Active duty service persons may also apply on VA form 22-1990. The form must be signed by the applicant, as well as his/her education officer and his/her commanding officer. Eligible members of the Selected Reserve must provide the Office of the Registrar with a copy of VA form 2384 Notice of Basic Eligibility.

Surviving spouses, sons, and daughters must apply on VA form 22-5490 Application for Survivors' and Dependents' Educational Assistance. Upon receipt at the Regional Processing Center, the applicant will be notified concerning his/her eligibility.

Further information on veterans' benefits can be obtained from the Office of the Registrar.

Academic Procedures and Policies

Three-Term Calendar

The Greensburg campus makes its educational resources available to students year-round by operating on a three-term rather than a two-term academic calendar. The approximate beginning and ending dates for the three terms are:

Fall Term Late August through mid-December

Spring Term January through late April

Summer Term & Sessions May through early August

A greater variety and number of classes will be available during the fall and spring terms than during the summer term. The summer term provides students with the opportunity to supplement their course work or to make up any academic deficiencies.

Summer Orientation and Registration

Freshmen admitted for the fall term are required to attend one of the Summer Orientation and Registration (SOAR) sessions held during the summer preceding enrollment. During SOAR, students become familiar with the campus and the academic programs and receive their schedules for fall courses.

Math and English Placement

Almost all students will take a writing and mathematics course during their first semester. Students will be assigned to a course level that is appropriate to their backgrounds and abilities in writing and mathematics. The placement for writing courses will be based on SAT evidence-based reading and writing scores, and placement for mathematics courses will be based on the score earned on the ALEKS mathematics placement test.

Full-time students admitted for the fall term are required to take the mathematics placement exam prior to attending their selected Summer Orientation and Registration session. Part-time students and full-time students admitted for the spring or summer terms take the math placement examinations prior to registering for a math course. More information can be found using links on the Orientation website www.greensburg.pitt.edu/admissions/orientation or clicking [HERE](#).

Academic Advising

Upon acceptance to the University, full-time students are assigned an advisor from the Academic Advising Center or from their academic program who will help them select courses that are consistent with their objectives and qualifications. About the time students earn 45 credits, they are expected to declare the program of studies or major they wish to pursue. At this time, students will be assigned to faculty advisors who either teach in the fields of interest or specialize as advisors in those areas. Students are required to meet with their advisors during the enrollment period for each term, but advisors are available throughout the term for conferences with students. Students are urged to meet with their advisors frequently to discuss career plans as well as problems. Part-time students are advised by the advisors in the Academic Advising Center. Appointments for advising and/or enrollment conferences may be scheduled by calling the Academic Advising Center at 724-836-9940.

Enrollment

During the enrollment period in the fall and spring terms, students select and enroll in their courses for the upcoming terms. Enrollment typically occurs during October for the spring term, in February for the summer term, and in March for the fall term. First-term freshman students receive their initial schedule for the fall term during SOAR. All full-time students are expected to meet with an advisor who will assist them in selecting appropriate courses. Students must have their course selections approved by their assigned advisors in order to complete the enrollment process.

Student Responsibilities in the Advising and Registration Process

Students are ultimately responsible for the successful planning and implementation of their academic program. This responsibility includes satisfying prerequisites for chosen courses, taking the appropriate courses to meet general education and major requirements, and abiding by the guidelines and policies of the University and the Greensburg campus. Students are expected to be generally familiar with the contents of this publication, as well as with the updates provided on the Web or through information sheets. Students should be aware of basic degree and major requirements, information about the registration process, and the rules governing changes in registration, etc. Students should maintain a personal file containing information about their academic progress and current registration. Students are also responsible for making appointments with their advisors during the registration period for each semester.

Counseling Services

In addition to Academic Advising, the Office of Academic Affairs also provides learning skills assessment and tutoring services through the Learning Resources Center and counseling and accommodations for students with documented disabilities through the Office of Disability Services.

Pitt-Greensburg's Office of Student Services offers additional counseling services that include personal counseling, group counseling, and career counseling. The Counseling Center offers personal counseling to assist students who have problems or concerns in areas such as transitioning to college life, anxiety, parental and peer relationships, emotional or social conflicts, academic difficulties, and other issues. Group counseling is provided to address specific issues including stress and time management and eating disorders. Community resources are also used when appropriate. On-campus services also include career counseling with individual assessment of aptitudes, interests, and work values, discussion of internship and other experiential education opportunities, and collaborative placement activities with the Pittsburgh campus.

Other Opportunities for Earning Credits

In addition to the courses students take on the Pitt-Greensburg campus, students have a variety of options for earning credits that apply to a Pitt-Greensburg degree or for simply taking college-level courses. These options include the following:

Cross Registration at Cooperating Local Colleges

Cross registration gives students access to courses that are not available at Pitt-Greensburg. Students may cross register at Seton Hill University and Westmoreland County Community College (WCCC). Cross registration is limited to one course per semester and is available only during fall and spring terms and only to full-time students. Students must abide by the academic policies of the host institution in selecting cross registration classes. Both the grades and credits earned at the host institution are transferred to Pitt-Greensburg. There may be limitations on the ability of Pitt-Greensburg juniors and seniors to cross register for classes at WCCC. Students interested in cross registration should consult with their advisors at the Academic Advising Center.

Credit by Examination

Students may earn credits toward graduation not only by taking and successfully finishing courses, but also by taking special examinations. Three types of special examinations are used at Pitt-Greensburg: Challenge Examinations, the College Level Examination Program (CLEP), and the Advancement Placement (AP) program of The College Board.

1. In **Challenge Examinations**, students take a test for a specific course offered by the Greensburg campus. Each test for credit by examination must be arranged with the department teaching the course for which credit is desired. Departments set their own policies as to the specific courses for which students may request challenge examinations, the time and type of the examination, and the number of courses among those required for the major for which credit may be earned by examination.

Students may not take credit examinations for material presupposed as prerequisites for admission. If students have mastered, during their high school careers, material that is traditionally covered in a college course and that is not required for college admission, they are allowed

to attempt to obtain credit by examination for it, provided that the course is one for which the department accepts credit by examination. Credit by examination cannot be obtained, however, for a college level course for which credit has already been awarded, nor can it be used to alter a grade already received. Credit may not be earned by examination in lower-level sequence courses when the student has already obtained credit for a higher-level course in the sequence. Students are not permitted to audit courses without registering and then apply for credit by examination.

Students wishing to earn credit by examination should consult the department in which the course is given and then obtain the requisite form from the Office of the Registrar. There is a fee for the examination - whether or not credits are earned.

2. The purpose of the **College Level Examination Program (CLEP)** is to enable those individuals who have attained college-level education in nontraditional ways to assess their achievement and use the test results in seeking college advanced placement credits in a selected program of study.

The University of Pittsburgh at Greensburg, cognizant of the diversified backgrounds of its student population, uses the general examinations of CLEP as a means of evaluating adult candidates for advanced placement after admission to the University. The general examinations consist of five areas: English composition, humanities, social sciences, natural sciences, and mathematics.

3. Students who participated in the **Advanced Placement (AP)** program of The College Board may request college credit by asking the Educational Testing Service to forward their AP scores to the Pitt-Greensburg Office of Admissions. For students enrolled in Pitt Greensburg majors, credits based on AP tests will be awarded as shown in the table below. Awards for other majors, such as engineering, may be somewhat different.

Discipline	AP Exam (Code)	Score	Credit for	Cr.
Art	Studio 2-D (A2AP)	4, 5	SA 0110	3
	Studio 3-D (A3AP)	4, 5	SA 0120	3
	Drawing (ADAP)	4, 5	SA 0130	3
	History (AHAP)	3, 4, 5	HA&A 0010	3
Biology	Biology (BSAP)	4	BIOSC 0070, 0170	4
		5	BIOSC 0070, 0170, 0080, 0180	8
Chemistry	Chemistry (CHAP)	3, 4	CHEM 0110	4
		5	CHEM 0110, 0120	8
Computing	A (CAAP)	3, 4, 5	CS 0402	3
	AB (CBAP)	3, 4, 5	CS 0402	3
Economics	Macro (EEAP)	4, 5	ECON 0110	3
	Micro (EIAP)	4, 5	ECON 0100	3
English	Language and Composition (LAAP)	4, 5	ENGCOMP 0010	3
	with 600 on SAT-V	5	ENGCOMP 0010 & ENGLIT 0000	6
Env. Sci.	Env. Science (ESAP)	4, 5	GEOL 0860	3
French	Literature (FLAP)	4, 5	Check with Department	-
	Language (FRAP)	4, 5	Check with Department	-
German	Language (GRAP)	3	GER 0001	3
		4	GER 0001	4
		5	GER 0001	5
History	European (EHAP)	4, 5	HIST 0100, 0101	6
	United States (AMAP)	4, 5	HIST 0600, 0601	6
Latin	Catullus & Horace (LCAP)	4, 5	LATN 0220	3
	Virgil (LVAP)	4, 5	LATN 0220	3
Math	Calculus AB (MAAP)	3, 4, 5	MATH 0220	4
	Calculus BC (MBAP)	3, 4, 5	MATH 0220, 0230	8
Music	Listening & Lit (MLAP)	3, 4, 5	MUSIC 0211	3

	Theory (MTAP)	3, 4, 5 MUSIC 0411	3
Physics	B (PHAP)	3, 4, 5 PHYS 0110, 0111	6
	C Mechanics (PMAP)	4, 5 PHYS 0174	4
	C Electricity & Magnetism (PEAP) with 4, 5 on C Mechanics	4, 5 PHYS 0174, 0175	8
Political Science	Comparative Government (CGAP)	4, 5 PS 0300	3
	U.S. Government (UGAP)	4, 5 PS 0200	3
Psychology	Psychology (PSAP)	3, 4, 5 PSY 0010	3
Spanish	Literature (SLAP)	4, 5 Check with Department	-
	Language (STAP)	4, 5 <i>Check with Department</i>	-
Statistics	Statistics (SSAP)	4, 5 STAT 0200	4

College of General Studies Online Courses

The College of General Studies (CGS) Online Courses exist for people who cannot attend class every week due to job requirements, family responsibilities, or transportation constraints. CGS Online Courses are offered in Web, Hybrid and Self-Paced formats which differ in the amount of face-to-face instruction (none or monthly Saturday meetings), use of the Web for instruction and discussion, and flexibility of scheduling. See www.cgs.pitt.edu/academics/online-courses/choosing-online-courses for more details. Online courses taken through CGS carry the same credit as those at the Greensburg campus; they are taught by regular University faculty. Various support mechanisms have been developed to provide for additional instructor contact and for course related communication to students via mail and telephone as well as e-mail and course Web sites. Admission requirements are identical to those of Pitt-Greensburg.

Transfer of Credits for Courses Taken at Other Schools

Students in good academic standing may enroll for a summer or special session at another institution as a way of advancing or supplementing their academic programs. Pre-approval from the Academic Advising Center is required. Students should provide their academic advisor with a proposal specifying courses to be taken and academic objectives to be met along with a description of the content for each of the proposed courses.

To be eligible for transfer, courses taken at other schools must

1. be offered by an accredited institution,
2. be substantially the same as courses regularly offered at the Greensburg campus or at other liberal arts and science colleges, and
3. not be a repetition of any course taken previously.

Students with fewer than 60 credits earned can take summer or special session courses at a two-year school. Students with fewer than 90 credits can take summer or special session courses at four-year schools. All students must complete their last 30 credits at the Pitt-Greensburg campus.

Certification of Enrollment

Requests for certification of a student's enrollment are processed by the Office of the Registrar. The student's signature is required as a condition to the release of certification of enrollment information.

Attendance Policy

Normally, students are expected to attend classes. There is no University rule regarding attendance, but individual faculty members may set rules for their courses.

Academic Integrity

One essential condition of an open and progressive University community is personal integrity. This requires honesty in all academic work. Students who cheat, plagiarize or otherwise take improper advantage of the work of others are subject to a variety of penalties. First-offense penalties vary at the discretion of the instructor. They may be failed on the particular piece of work in question or in the course in which dishonest work is committed. A second offense may mean suspension or permanent dismissal from the University. Students should consult section on Academic Integrity in the Student Handbook.

Student Self-Service Enrollment

Student Self-Service Enrollment allows students to enroll in classes and add/drop classes for a particular term and/or session. All undergraduate students are required to meet with an advisor prior to enrolling in classes. First-year students must also meet with an advisor to add or drop a class. An Academic Advisement Required Hold has been placed on all undergraduate student records and students must see an advisor in order for the hold to be removed.

Each term students will be assigned an enrollment appointment, which indicates the date and time that the student becomes eligible to enroll for classes. Appointment information can be found in the "Student Center" at my.pitt.edu. Students are assigned an enrollment appointment based on the total number of credits earned in their current career. A student's enrollment appointment will begin on the date and time specified. Students may enroll and change their schedule until the end of the published add/drop period for a given term and or session. The deadlines for adding a course are published in Pitt-Greensburg's *Schedule of Classes* for fall, spring, and summer terms.

Students should be aware that dropping a course or courses may affect athletic and/or financial aid eligibility.

Dropping Courses

Students who need to drop one or more courses may do so by using the Student Self-Service Enrollment process. After the deadline established for the term or session, a student can no longer drop a course, but may process a Monitored Withdrawal (see Withdrawing from Courses below).

Students who decide not to attend the University may drop all of the courses for which they are registered during the add/drop period with no financial liability. Students who make this decision after the add/drop period must process a resignation through the Office of the Registrar (see Resignation or Termination of Registration below).

Extended Drop Period

Under special circumstances, undergraduate students may be eligible to drop a course in the third week of the fall or spring semester, effective with the Spring 2018 semester. Students must meet all of the following criteria to drop a course during the extended drop period:

- Undergraduate students at all campuses
- Undergraduate courses
- Fall and spring semesters
- Students must remain in full-time status after dropping the course(s).
- The student's advisor must provide permission to drop.

Students must review the proposed drop with their academic advisor. If the student's advisor finds that the student is eligible, the advisor will process the drop(s). If the student's advisor cannot process the drop for any reason, then the advisor will request that the Registrar's Office at the student's campus process it.

Course Withdrawal (from one or more, but not all classes)

After the end of the add/drop period and until the end of the ninth week of the fall and spring terms (or the published deadlines for the various sessions of the summer term), a student may withdraw from any course and receive the grade of W. W grades have no effect on the student's GPA and the credits do not count toward graduation. There is no tuition adjustment associated with a course withdrawal. A student wishing to withdraw from a course should obtain a Monitored Withdrawal Request form from the Office of the Registrar or from the Advising Center and obtain the course instructor's signature. Signed Monitored Withdrawal Requests should be returned to the Office of the Registrar.

After the deadline for withdrawal, a student may withdraw from individual courses only in exceptional and extenuating circumstances and with the permission of Director of Academic Advising. Petitions for late withdrawals should be submitted to the Advising Center.

Students who wish to withdraw from all of their courses after the add/drop period should follow the procedures for Resignation or Termination of Registration below.

Resignation or Termination of Registration

After the end of the add/drop period, students who decide not to attend the University must resign from all courses through the Office of the Registrar. The deadline for resignation during the fall or spring term is the date on which 60 percent of the fall or spring term has been completed. The deadline for resignation or termination of registration is the last date for which students can expect any reduction in the tuition and fees they owe.

Adjustments to tuition charges resulting from official resignations are based on the effective date of resignation and in accordance with the federally-mandated calculation. (*See Title IV Refund Policy for more information.*) After the deadline, students will be responsible for all tuition and fees assessed for the term. Summer-term resignations are handled on a case-by-case basis because students may be registered for courses in different sessions.

An official resignation occurs when a student notifies the Office of the Registrar of his/her intent to terminate registration for all classes. The effective date of resignation is determined by one of the following: (1) the date of in-person contact with the Office of the Registrar, (2) the date of the postmark on the letter of intent to resign (or the date of receipt if no postmark exists), or (3) the date of telephone notification to the Office of the Registrar. R grades are assigned for all courses for which registration is terminated between the end of the add/drop period and the resignation deadline.

After the deadline for termination of registration or resignation, students may apply to the Director of Academic Affairs for permission to withdraw from each of their classes. Petitions for late withdrawals should be submitted to the Academic Advising Center.

Permission will be granted only in exceptional and extenuating circumstances. If permission is granted, students will receive W grades for all classes, but will still be responsible for all tuition and fee charges.

Failing to attend the classes for which a student is registered or failing to notify the appropriate administrative offices of nonattendance is **not** considered an official resignation. Students who fail to follow proper procedures for termination of their registration are responsible for all tuition and fees assessed for the term or session.

Grading Options, Letter Grades, and Other Grade Report Codes

Students may register for courses with different grading options that include letter grades, pass for credit, and audit. Numeric values are assigned to letters for the purposes of computing grade point averages (GPA). Other grade reporting codes are used to identify courses in which work is incomplete or courses from which a student has withdrawn or resigned. Definitions and details on grading options, grade reporting codes, and grade and grade point averages are provided in the following sections.

Letter Grades/Number Equivalents/Quality Points Earned per Credit

A+ = 4

A = 4 Superior attainment

A- = 3.75

B+ = 3.25

B = 3 Meritorious attainment

B- = 2.75

C+ = 2.25

C = 2 Adequate attainment

C- = 1.75

D+ = 1.25

D = 1 Minimal attainment

D- = 0.75

F = 0 Failure

Auditing Classes (N Grades)

Any course offered by the Greensburg campus may be audited by any student who has been admitted to Pitt-Greensburg. Audited courses appear on the transcript with a grade of N, but no credit is earned. Regular tuition rates apply to audited classes.

Satisfactory/No Credit Grading Option (S or NC Grades)

Some courses may be taken on a pass-for credit basis. A student enrolled in a course on a pass for credit basis receives either a grade of S or NC. An S grade is approximately equivalent to a letter grade of C or better and means that the student will receive credit for the course. An NC grade means that the student will not receive credit for the course. S and NC grades are not included in the calculation of the GPA. No more than 12 credits with S grades may be counted toward graduation. Students must declare their decision to choose the pass-for-credit grading basis by the deadline published in the *Schedule of Classes*.

Incomplete Grade (G Grades)

When students are prevented by circumstances beyond their control from completing a course and it is too late to withdraw, an instructor may assign a G grade. The G grade option should only be available when the student has been attending a course and has been making regular progress. There should be some compact, clearly defined collection of work (e.g., a final examination or a term paper) to be performed to complete the work of the course. The instructor has discretion to decide if a G grade is appropriate and is under no compulsion to grant a G grade for substantially incomplete work. If a significant part of the work is incomplete and the student has not officially withdrawn, the appropriate grade is an F.

A G grade must be replaced by a final grade during the student's next term in residence or within one year in the case of students who are not in attendance the following term; otherwise, the privilege of completing it is withdrawn and the G grade is changed to an F. An uncompleted G grade remains on the transcript but does not count in calculating the GPA. The student must arrange with the instructor for the completion of a G grade. Only the instructor who gave the G grade can change it; if he/she becomes unavailable by leaving the University, the credits may be lost.

Grade Point Average (GPA)

The Grade Point Average (GPA) is the numeric indication of a student's academic achievement based on a 4.00 grade point scale. Undergraduates must have a 2.00 GPA in order to graduate from the University of Pittsburgh. The value is the average of total letter grades earned and is available by term or career. Some academic centers may also maintain degree and/or major/departmental GPA values. The following example illustrates the calculation of the GPA.

Course	Grade	Numeric Value	Credits	Quality Points
ENGCOMP 0020	A+	4	3	12
FS 0002	B	3	1	3
BIOSC 0170	B	3	4	12
PSY 0010	C-	1.75	3	5.25
PS 0200	D+	1.25	3	3.75
Totals			14	36

GPA (36 divided by 14) = 2.57

All courses taken for credit on the letter-grade system, except repeated courses and transfer credits, are included in the computation of the official GPA, which is determined in the Office of the Vice President for Academic Affairs. Inclusion on the Dean's List, honors at graduation, and placement on probation depend directly on this GPA.

Grade Reports

At the end of each term or session, the University posts student grades online. Students may access their grade reports through the my.pitt.edu portal page. This report shows the total credits earned, the grade earned in each course taken during the period covered by the grade report, as well as the associated grade points earned.

Transcripts

Official transcripts of a student's academic record can be requested through an online ordering system (<http://greensburg.pitt.edu/transcripts>) or in person by the student. In-person requests are made in the Office of the Registrar, University of Pittsburgh at Greensburg, 120 Millstein Library. The student's signature and a photo ID are required as a condition of the release of academic transcripts. Telephoned requests cannot be honored. A fee of \$3 is assessed for each copy issued to the student and a fee of \$6 is assessed for each copy mailed to a designated recipient. An active student may request an unofficial copy of a transcript once each term without charge. Transcripts are withheld if the student has an outstanding financial obligation to the University or a judicial hold.

Dean's List

This honor list is published at the end of the fall and spring terms. This list includes the names of all students who earned a minimum term GPA of 3.25 with no grade less than C- and who took a minimum of 12 credits per term for a letter grade if full-time, or six credits per term for a letter grade if part-time.

Course Repetitions

1. A student may repeat any course, except as noted below; however, only the repeated grade is counted toward the degree goal.
2. No sequence course may be repeated for credit after a higher numbered course in that sequence has been passed with a C or higher grade.
3. No course may be repeated at any other institution and the grade accepted as a replacement for the original grade earned at the University of Pittsburgh.

4. The grade earned by repeating a course is used in lieu of the grade originally earned even if it is lower than the original grade. The original course registration and grade remain on the academic record, but the grade and credits originally earned are not counted in the computation of the GPA. The repeated course does not increase the number of credits counted toward meeting the degree requirements unless an F is replaced by a passing grade.
5. A W, R, or N grade reported for the repeated course will not be identified as a course repeat; thus, the original grade earned will continue to be counted in the GPA. Incomplete (G) grades will not be identified as repeated courses until the course work is completed.
6. Students may repeat a course no more than two times without the approval of the vice president for academic affairs.
7. The repeated course must be the same as that in which the original grade was earned. In extenuating circumstances, with the approval of the vice president for academic affairs, the student may substitute another course of similar content.

Academic Probation and Suspension

Students are expected to achieve good academic standing, a minimum 2.00 cumulative GPA, every semester. Students who fail to earn the minimum cumulative GPA requirement are placed on academic probation, but are allowed to enroll and attend classes at Pitt-Greensburg. All student records are reviewed at the end of each semester to determine which students are having academic difficulty and have not met the minimum GPA requirement. Those who lack the minimum requirements for good academic standing are notified of their probationary status by mail and email. The information received will describe the terms of their probation and the deadline by which their cumulative GPA must be raised above 2.0.

The academic progress of students on probation is monitored on a term-by-term basis. Students will remain on academic probation for one or two semesters. If a student does not sufficiently raise their cumulative GPA above 2.0 within the timeframe stated in the probation letter, the student will be suspended from the University. Probationary students are encouraged to retake courses in which they have earned the grades of F or D to quickly repair their GPA. A student's academic status (e.g. good academic standing, academic probation, suspension, etc.) is part of the students' academic record, but not recorded on the transcript. Probationary students who do not show progress toward achieving good academic standing are subject to suspension for a minimum of one semester or dismissal from the University.

Students who have been suspended from the University of Pittsburgh at Greensburg are not permitted to take classes for at least one semester. During the period of suspension, and in consultation with their academic advisor, a student who has been suspended may be permitted to transfer one course from another institution for each semester on suspension. All transfer credit policies apply. Courses previously taken at the University of Pittsburgh cannot be repeated at another institution. Students must earn a minimum grade of C or better and only the credits, not the grades will transfer in. Students wishing to return to the University of Pittsburgh Greensburg after their suspension period must contact the Advising Office. If a student chooses to extend their time away from the University beyond the specified period, reinstatement may be required. All students returning from academic suspension are expected to work closely with the academic advising staff and other campus resources to achieve good academic standing.

Reinstatement After Suspension

Students who have been suspended may apply for reinstatement after the suspension period. A formal application for reinstatement should be submitted to the Office of the Vice President for Academic Affairs at least a month prior to the beginning of the term in which the student plans to enroll. Students seeking reinstatement who have been away more than 12 months must pay an application fee. Favorable action can be expected if the student provides evidence that he/she can pursue an academic program with some prospects for success.

Students who are readmitted after suspension may carry only those credits approved by the vice president for academic affairs. If such a student does not achieve a satisfactory record for his/her approved program of courses, he/she will be permanently dismissed without appeal.

Any courses that a student may take at another institution during a period of suspension will not be granted credit by the University after that student has been reinstated.

Active Status and Reinstatement/Readmission after Nonattendance

A student is active when admitted and enrolled in the term of admission. A student is considered to be enrolled only when officially registered with the Registrar in accordance with established University policies. Once students have been admitted to and enrolled at Pitt-Greensburg, they are

eligible to continue as long as they maintain satisfactory academic standing and continue to register during the fall and spring terms until they have earned degrees.

Students become inactive when: (1) as new or readmitted students they do not enroll in the term of admission/readmission, (2) they have not enrolled for at least one credit during three consecutive terms, or (3) they have graduated. An inactive student is not permitted to use University facilities or to receive counseling or active supervision by a faculty member, advisor, or committee.

Students who do not enroll in the term of admission/readmission may defer admission or readmission for up to one year. Requests to defer admission should be addressed in writing to the Office of Admissions. Students who do not enroll within one year of their initial admission to Pitt-Greensburg must reapply before registering for classes. Readmission is not automatic. The student must meet all current admission and degree requirements.

Once they have been admitted and enrolled, students are expected to maintain their active status with the University until they graduate. Students who are absent from the University for a year (i.e., do not enroll for at least one credit during three consecutive terms) must apply for and be granted reinstatement before they may resume their programs. Reinstatement requires formal application to the Office of the Vice President for Academic Affairs at least one month prior to the beginning of a term. If the reasons given in the reinstatement application clearly indicate that the student can resume his/her program with reasonable expectation of completion, and if the vice president for academic affairs has no other grounds for denying the request, favorable action can be expected. Applications for reinstatement should be submitted during the registration period (i.e., week seven to week 12) of the term preceding the term for which the student seeks reinstatement so that students may meet with an advisor for help in selecting courses and planning their programs. The student's status upon reinstatement will be that which he/she attained at the end of his/her last term in residence or at the beginning of the term during which resignation took place. Applicants will be notified by letter of the action taken on their applications.

Students who interrupt their studies at Pitt-Greensburg for one or more terms to attend another institution must apply for readmission to the University as a transfer student. This rule does not apply to students who, with the permission of the vice president for academic affairs, attend another institution as part of their academic programs. Please refer to the regulations for transfer admission. Readmission is not automatic. The student must meet all current admission and degree requirements.

Statute of Limitations

All the credits required for a degree, whether earned on the Pitt-Greensburg campus or transferred from another institution, must have been earned no more than 12 years prior to the date on which the degree is awarded. However, when given evidence that the previous courses still provide adequate preparation for courses yet to be taken and the courses yet to be taken represent a reasonable part of the total academic program, the Vice President for Academic Affairs may waive this limitation. In such cases, the waiver is for a specific period during which the program must be completed.

Graduation

Requirements

The Bachelor of Arts or Bachelor of Science degree will be awarded upon the fulfillment of the following conditions:

1. Completion of all required courses satisfactorily; that is, at least 120 credits of academic work at the University of Pittsburgh at Greensburg in one of the prescribed curricula by completion of courses, by advanced standing, or by examinations.
2. Application for a degree when the student has earned 90 credits.
3. Completion of the senior-year coursework (the last 30 credits) at the University.
4. Achievement of minimum overall grade point average of 2.00 in courses taken at the University with a minimum 2.00 grade point average in the major. (Some departments have more stringent requirements. Consult the Program Descriptions in this publication.)
5. Recommendation for a degree by the duly constituted authority of the University of Pittsburgh at Greensburg.

Applications

When students have earned 90 credits, they must file an application for graduation with the Senior Academic Advisor. Compliance with this deadline will enable the Academic Advising Office to make a complete appraisal of the student's record. Any deficiency disclosed by the evaluation should be corrected promptly by the student.

Honors

Those students in a graduating class who have attained an outstanding scholastic record may be graduated with honors. To qualify for honors, a student must have completed at least 60 letter-graded credits at the University of Pittsburgh **and** attained a cumulative GPA of 3.25 for cum laude, 3.50 for magna cum laude, and 3.75 for summa cum laude. The graduation honors for the purposes of the spring graduation ceremony are based on the records of students at the end of the fall semester. Graduation honors reported on the official diploma and recorded in the permanent record are based on the student's complete record through the end of the final semester.

Family Educational Rights and Privacy Act (FERPA)

In compliance with the Family Educational Rights and Privacy Act (FERPA) of 1974, commonly referred to as the Buckley Amendment, the University guarantees that students have the right to inspect all personally identifiable records maintained by the institution and may challenge the content and accuracy of those records through appropriate institutional procedures. It is further guaranteed by the University that student records containing personally identifiable information will not be released except as permitted by the Family Educational Rights and Privacy Act. See <http://www.cfo.pitt.edu/policies/documents/Procedure09-08-01ExA.pdf> for more information on FERPA.

Financial Information

Tuition and Other Expenses

** A student may not register for more than eighteen undergraduate credits in a single term without the specific written approval of the Director of Academic Advising. Students must pay an extra charge for each credit over eighteen credits per term. This charge is in addition to the full-time term tuition rate. The charge per credit will be the prevailing per-credit tuition rate listed below for part-time students.*

The University's tuition and mandatory fee rates are available on the Tuition Rates and Mandatory Fees page.

Determining How Full-Time vs Part-Time Students are Billed

In the Fall and Spring Terms:

Undergraduate students registered for 12 to 18 credits in the Fall and Spring Terms are regarded as full-time students, and are assessed the current undergraduate "flat" tuition rate for their academic center.

Undergraduate students registered for fewer than 12 credits are considered part-time, and are billed on a per-credit basis.

Graduate students registered for 9 to 15 credits in the Fall and Spring Terms are regarded as full-time students, and are assessed the current graduate "flat" tuition rate for their academic center.

Graduate students registered for fewer than 9 credits are considered part-time, and billed on a per-credit basis.

Students will be charged per credit for each credit exceeding the maximum full-time credit limit.

In the Summer Term:

All students are billed on a per-credit basis in the Summer Term with the exception of students in the School of Dental Medicine Dental Hygiene Certificate Program; the Swanson School of Engineering undergraduate program; the Katz Graduate School of Business Full-time MBA, MBA/MS and EMBA Programs; and the School of Nursing Accelerated Nursing Program.

About Mandatory Fees

Mandatory Fee figures are applicable to students regardless of Pennsylvania or Out-of-State residency. Not listed under Mandatory Fees are:

1. **Course/major fees** that are based upon registration in specific courses (e.g., lab fees).
2. **Academic fees** (e.g., application fees, academic program fees for programs such as Cooperative Engineering Program and Study Abroad).
3. **Service fees** (e.g., late application for graduation and lost ID cards).
4. **Professional workshop and professional development fees**
5. **Specific-student fees** such as the Freshman Socialization Fee at the Greensburg Campus.

Fees and Deposits

Note: The University reserves the right to change the tuition rate and fees at any time without notice in advance.

Application Fee	Non-refundable fee paid at the time of application for admission	\$45
Tuition Deposit	Non-refundable fee paid at the time of acceptance of admission offer; credited as partial payment of tuition	\$100

Housing Deposit	Non-refundable fee for full-time students to reserve campus housing; credited as partial payment of room charges	\$150
Freshman Socialization Fee	New full-time students - assessed only in the fall term of the freshman year	\$90
Activities Fee	Full-time student per term	\$85
	Part-time student per term	\$22
Athletics Fee	Full-time student per term	\$95
	Part-time student per term	\$20
Computer and Network Services Fee	Full-time student per term	\$175
	Part-time student per term	\$100
Health Center Fee	Full-time student per term	\$30
	Part-time student per term	—
Student Center Fee	Full-time student per term	\$80
	Part-time student per term	\$32
Parking Fee	Full-time student per year	\$75
	Part-time student per year	\$40
Course Fees	Lab fees charged on a per-course basis for Biology, Chemistry, Information Science, and Physics labs	\$50
	Biology Senior Lab Fee	\$150
	Social Foundations of Education-ADMPS 1001	\$100
	First Field Experience -ADMPS 1010	\$100
	Piano-Music 0512	\$100
	Intro to Professional Nursing	\$48
	Foundations of Nursing Practice	\$121
	Foundations of Nursing Practice II	\$121
	Nursing Care of Mothers, Newborns, and Families Clinical	\$121
	Advanced Nursing Mgmt of the Adult with Acute/Complex Health Problems Clinical	\$121
	Adv Clinical Problem Solving	\$121
	Transitions into Professional Nursing Practice	\$121

Financial Obligations

The University of Pittsburgh has the right to withhold services and access to academic records, including but not limited to transcripts and diplomas, and will refuse to accept registration for current and future terms if a student defaults on any financial obligation unless repayment arrangements have been made that are satisfactory to the Pitt-Greensburg Office of Student Accounts.

Optional Payment Plan

A student whose account is in good standing is eligible for the optional payment plan. More information about this is available from the Pitt-Greensburg Office of Student Accounts.

Eligibility for Reduced Tuition

Tuition rates for the University of Pittsburgh at Greensburg are based on whether or not the student is a permanent resident of the Commonwealth of Pennsylvania. A higher tuition rate is charged to nonresidents.

A student who has lived in the Commonwealth of Pennsylvania for a continuous period of 12 months immediately prior to enrollment at any college or university in the state may be eligible for reduced tuition rates. To be eligible, the student must also be a citizen of the United States or have an immigrant or permanent resident visa. A minor is presumed to have the domicile of his parents or guardian. The age of majority for establishing a domicile for tuition purposes is 22.

Copies of detailed *Guidelines and Procedures for Determining Eligibility for Reduced Tuition Rates* are available upon request from the University of Pittsburgh at Greensburg, Office of the Registrar, 120 Millstein Library, 150 Finoli Drive, Greensburg, PA 15601, 724-836-9899. Any admitted student may petition for reduced tuition rates by supplying convincing evidence to be reviewed by the Office of the Registrar. Only the Office of the Registrar may evaluate eligibility for tuition purposes.

Title IV Refund Policy

Adjustment to tuition charges resulting from official resignations are based on the effective date of resignation and are in accordance with the federally mandated calculation. The calculation is based on the period of enrollment completed. That percentage is computed by dividing the total number of calendar days in the term into the number of calendar days completed, as of the date of student notification. The percentage of Title IV assistance to which the student is entitled (has "earned") is equal to this percentage of the term completed up to 60 percent. If the resignation occurs after 60 percent of the term is completed, the percentage of Title IV assistance earned is equal to 100 percent.

The amount of Title IV aid that must be returned is based on the percentage of "unearned" aid. The percentage is computed by subtracting earned aid from 100 percent. The University is required to return the lesser of (1) the unearned aid percentage applied to institutional charges or (2) the unearned aid percentage applied to the total Title IV aid received.

The student is required to return the difference between the amount of unearned aid and the amount returned by the University. If the student (or parents in the case of PLUS loans) is required to return a portion of their entire loan proceeds, the calculated amount is to be repaid according to the loan's terms.

Funds are returned to the following Title IV sources in order of priority:

1. Unsubsidized Federal Direct Stafford loans
2. Subsidized Federal Direct Stafford loans
3. Federal Perkins loans
4. Federal Direct PLUS loans
5. Federal Pell Grants
6. Federal SEOG
7. Other Title IV assistance for which a return of funds is required
8. Other federal, state, private, or institutional financial assistance
9. Student

Financial Aid Opportunities

Financial aid is available to Pitt-Greensburg students in the form of scholarships, grants, loans, and part-time employment. Financial aid awards, or "packages," are often combinations of different types of aid. The exact amounts and types of aid students receive will depend on their financial need and academic performance.

The financial aid application procedures are outlined online at: www.greensburg.pitt.edu/how-apply

Campus-Based Federal Aid

Two types of financial aid are included in this category: Federal Supplemental Educational Opportunity Grants and the Federal Work-Study Program funds.

Federal Supplemental Educational Opportunity Grant (FSEOG)

A grant awarded to those applicants who are determined to have the greatest need according to the federal government formula. The FSEOG does not have to be repaid.

Federal Work Study Program

A part-time employment program in which eligible students are awarded a job on campus and are paid according to the number of hours worked. It is a form of financial aid; however, it is not applied directly to the student account.

Scholarships

Information regarding Pitt-Greensburg Merit Scholarships, Outside Scholarships, and Donor Scholarships can be found on the Pitt-Greensburg Web site at <http://www.greensburg.pitt.edu/financial-aid/scholarships>. Scholarships do not have to be repaid.

Loan and Grant Programs

Federal Pell Grant

Eligibility for the Federal Pell Grant is determined when a student completes the Free Application for Federal Student Aid (FAFSA). U.S. citizens and eligible non-citizens who have not previously received a bachelor's degree are eligible to apply. Applications can be completed online at www.fafsa.gov.

State Grant

For Pennsylvania residents, eligibility for the state grant is determined by the Pennsylvania Higher Education Assistance Agency (PHEAA). Other states have a comparable agency. To be eligible for a PHEAA grant, students must be enrolled at least half-time (6 credits). Students must complete the FAFSA for state grant consideration. Students who are residents from states other than Pennsylvania should contact their state agency for information about state grants or scholarships.

Federal Direct Stafford Loan

A Federal Direct Stafford Loan is a long-term low interest loan available to qualified students who are enrolled at least half-time (6 credits). Repayment begins after the student graduates or enrolls for less than half-time (6 credits). Applicants can apply online at www.studentloans.gov.

There are two types of Federal Direct Stafford Loans:

Subsidized: The federal government pays the interest on the loan while the student is enrolled at least half time.

Unsubsidized: The student is responsible for the interest. The interest begins to accrue from the point of disbursement until the loan is paid in full.

Federal Direct PLUS Program

Parents may apply for loans to pay for their dependent undergraduate children's educational costs. Repayment begins 60 days after the loan is disbursed. Applications are available online at www.studentloans.gov.

Additional Sources of Aid

Alternative Loans

If additional money is needed to pay the college bill, students may need to consider borrowing money from other sources. There are many private loans specifically designed to assist with college education costs. These are often referred to as alternative loans or private loans. A list of lenders who have provided loans to Pitt-Greensburg students during the past 24 months is available at www.greensburg.pitt.edu/financial-aid/alternative-private-loans.

Veterans' Benefits

The Registrar's Office is responsible for assisting veterans, reservists, guardsmen, and their families in obtaining their military educational benefits. We can assist you in applying for the benefit, certifying enrollment, and reporting any changes in enrollment to the Veterans Administration. Additional information can be found at: <http://www.greensburg.pitt.edu/admissions/veterans-services/>

Eligibility for Financial Aid

Eligibility for specific programs is determined by individual sponsoring agencies and, where appropriate, by the college itself. Several factors are considered, including college costs, family contributions, student earnings, savings, and timely submission of all appropriate application materials.

Eligibility must be determined on a yearly basis. Students must show continued need by submitting all appropriate applications each year and must meet stated application deadlines. In addition, financial aid recipients must meet guidelines regarding satisfactory academic progress and standing.

Students who relocate to Pitt-Greensburg from one of Pitt's other campuses are eligible for financial aid and are evaluated on the same basis as Pitt-Greensburg upperclassmen. Transfer students are also eligible for financial assistance.

Information about eligibility and progress guidelines and application deadlines is available from the Pitt-Greensburg Office of Financial Aid. Staff members are available to talk with students about financial aid.

To receive or to continue to receive financial aid, a student must be making satisfactory academic progress toward a degree. Academic progress is measured by percentage of credits completed, by grade point average and by completing the program within a specified time frame.

Academic Standards for Undergraduate Financial Aid

Conditions for financial aid eligibility usually require students to complete a specified percentage of credits attempted, maintain a specified grade point average (GPA: credits counting toward the degree) and complete the program within a specified time frame.

Financial Aid agencies are not aware of your academic progress when they determine your eligibility for financial aid. An award letter from them only means that you are financially eligible: Pitt-Greensburg is required to determine if you are also academically eligible. If you do not meet the standards for academic progress you are not eligible to receive financial aid. Note that there are differences in the standards and procedures used for federal, Pennsylvania and University aid programs. It is possible that you could be eligible to receive aid from one source and not eligible for aid from another source.

The University of Pittsburgh at Greensburg Academic Progress Policy for Financial Aid can be found online at <http://www.greensburg.pitt.edu/academic-progress-aid>

IMPORTANT NOTE about taking courses at another institution:

Satisfactory Academic Progress: a student must obtain *prior approval* from the Office of the Vice President of Academic Affairs in order to be eligible to transfer non-Pitt credits. Such credits also require an associated C grade or better as a condition of transfer.

Good Academic Standing: only Pitt credits may be used to raise grade point averages.

Tuition Rates and Mandatory Fees

Pennsylvania Resident Tuition Rates

School	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Credit
Greensburg Campus (except Nursing)	\$12,940	\$6,470	\$539
Nursing	\$16,578	\$8,289	\$690

Out-of-State Resident Tuition Rates

School	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Credit
Greensburg Campus (except Nursing)	\$24,184	\$12,092	\$1,007
Nursing	\$30,838	\$15,419	\$1,284

Mandatory Fees

Undergraduate

Fee	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Term

Student Activity Fee	\$170	\$85	\$22
Wellness Fee	\$60	\$30	----
Computing and Network Services Fee	\$350	\$175	\$100
Student Center Fee	\$160	\$80	\$32
Athletic Fee	\$190	\$95	\$20
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TOTAL	\$930	\$465	\$174

Behavioral Sciences

American Studies, BA

The multidisciplinary American studies major is designed for students whose interests in American history, society, and culture cut across departmental and divisional lines.

Core Courses 5 courses (15 credits)

- HIST 0600 - UNITED STATES TO 1877
- HIST 0601 - UNITED STATES 1865-PRESENT
- PS 0200 - AMERICAN POLITICS
- ENGLIT 1215 - PRE-20THC AMERICAN LITERATURE

Area Requirements 6 courses (18 credits)

At least two courses of the six area courses must be chosen from the Social Sciences cluster and two from the American Culture cluster. Representative Social Science and American Culture classes are listed below.

Social Sciences Cluster

- ANTH 0780 - INTRODUCTION TO CULTURAL ANTHROPOLOGY
- ANTH 1787 - SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- ECON 0280 - INTRODUCTION TO MONEY AND BANKING
- HIST 1611 - AMERICAN REVOLUTION 1763-1791
- HIST 1620 - THE VIETNAM WAR
- HIST 1661 - GENDER AND SEXUALITY IN THE US SINCE 1865
- PS 0600 - POLITICAL THEORY
- PS 1202 - AMERICAN CONSTITUTIONAL LAW
- PS 1212 - AMERICAN PRESIDENCY
- SOC 0003 - TECHNOLOGY AND SOCIAL CHANGE
- SOC 0010 - INTRODUCTION TO SOCIOLOGY

American Culture Cluster

- SOC 0010 - INTRODUCTION TO SOCIOLOGY
- COMMRC 1105 - TELEVISION AND SOCIETY
- COMMRC 1146 - INTERCULTURAL COMMUNICATION
- ENGLIT 1022 - LITERATURE OF THE AMERICAN WEST
- HAA 0501 - AMERICAN ART
- MUSIC 0800 - HIST OF AMERICAN POPULAR MUSIC
- RELGST 0405 - WITCHES TO WALDEN POND

Additional Requirements 1 course (3 credits)

After earning 90 credits, each American studies major should take ANTH 1955, HIST 1955, PS 1955, or ENGLIT 1950 to fulfill the capstone course requirement.

Recommended Courses

All students majoring in American studies are strongly advised to complete courses in a second language through the intermediate level.

Total Credits: 36

Anthropology, BA

Anthropology is concerned with the development and functioning of both historical and contemporary human cultures. While Anthropology majors will learn about human behavior from cultural, physical, and archeological perspectives, they may choose to emphasize either Archeology or cultural Anthropology in their program of studies.

Core Courses 4 courses (12-13 credits)

- ANTH 0582 - INTRODUCTION TO ARCHEOLOGY
- ANTH 0680 - INTRODUCTION TO PHYSICAL ANTHROPOLOGY
- ANTH 0780 - INTRODUCTION TO CULTURAL ANTHROPOLOGY

- ANTH 1110 - ANTHROPOLOGICAL THEORY (Sociocultural Track) or (offered Fall of even years)
- ANTH 1534 - ARCHEOLOGICAL DATA ANALYSIS 1 (Archaeological Track)

- Electives 5 courses (15 credits)

Cultural Anthropology Track

Three courses in Sociocultural Anthropology and two courses in Archeology.

Archeology Track

Three courses in Archeology and two courses in Sociocultural Anthropology.

Related Area 4 courses (12 credits)

Each student takes four courses from another department such as Biological Sciences, Political Science, Sociology, Economics, History, or Spanish Literature and Culture.

Students may also choose a Minor rather than a related area which is often a total of 15 credits, depending on the chosen Minor.

Additional Requirements 1 course (3 credits)

After earning 90 credits, all Anthropology students must take ANTH 1955 (Sociocultural Track) or ANTH 1956 (Archeology Track) to fulfill the capstone class requirement.

Recommended Courses

All students, especially those interested in graduate study, are urged to complete courses in a second language through the intermediate level.

Total Credits: 42

Criminal Justice, BA

The Criminal Justice major couples a strong liberal arts education with professional classes in criminology, law enforcement, criminal law, and corrections.

Core Courses 7 courses (21 credits)

- CJ 0002 - CRIME, LAW, AND PUBLIC POLICY
- CJ 0110 - CRIMINOLOGY
- CJ 0130 - CORRECTIONAL PHILOSOPHY: THEORY AND PRACTICES
- CJ 0210 - AMERICAN SYSTEM OF CRIMINAL JUSTICE
- CJ 1125 - HISTORY AND PHILOSOPHY OF LAW ENFORCEMENT
- SOCSOI 0200 - RESEARCH METHODS IN THE SOCIAL SCIENCES: SMOKE AND MIRRORS-EVALUATING INFORMATION
- CJ 1250 - JUNIOR SEMINAR

Electives 4 courses (12 credits)

This is a partial list of available electives.

- CJ 0145 - DRUGS AND SOCIETY
- CJ 1050 - COMPARATIVE CRIMINOLOGY
- CJ 1110 - VIOLENT CRIME
- CJ 1116 - ORGANIZED CRIME
- CJ 1130 - MINORITY ISSUES IN CRIMINAL JUSTICE
- CJ 1148 - DELINQUENCY AND JUVENILE JUSTICE
- CJ 1155 - CRITICAL ISSUES IN CONTEMPORARY LAW ENFORCEMENT
- CJ 1230 - CRITICAL ISSUES IN CONTEMPORARY CORRECTIONS
- CJ 1248 - WOMEN AND CRIME
- CJ 1518 - WHITE COLLAR CRIME
- CJ 1520 - VICTIMOLOGY

Additional Requirement 2 courses (6 credits)

After earning 90 credits, all Criminal Justice majors must take CJ 1198 - INTERNSHIP or CJ 1199 - RESEARCH PRACTICUM and CJ 1950 to fulfill the capstone course requirement.

Recommended Classes

- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- PSY 1205 - ABNORMAL PSYCHOLOGY
- SOC 0010 - INTRODUCTION TO SOCIOLOGY
- STAT 0200 - BASIC APPLIED STATISTICS OR
- STAT 1000 - APPLIED STATISTICAL METHODS

- CS 0098 - DECISION MAKING WITH EXCEL

Early Childhood Education, BS

Teacher candidates wishing to teach preschool and early elementary grades (through fourth grade) choose this education track.

Classes focus on:

- Pedagogy, assessment, and management of students;
- Subject matter content (including reading, writing, math, social studies, science and fine arts) for Pre K-4 students;
- Childhood development and familial interactions.

Course Sequence Maps

Early Childhood Education

8 semester sequence map

Early Childhood Education/Behavior Analysis

9 semester sequence map

9 semester sequence map/summer classes

Early Childhood Education/Children's Literature

9 semester sequence map

9 semester sequence map/summer classes

Early Childhood Education/Psychology Minor

9 semester sequence map

9 semester sequence map/summer classes

Early Childhood Education/STEM Endorsement

8 semester sequence map

Core Course Requirements

- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- PSY 1001 - INTRO EDUCATIONAL PSYCHOLOGY
- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM I

- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1150 - HEALTH EDUCATION IN THE PRIMARY YEARS: ISSUES AND STRATEGIES
- IL 1161 - SOCIAL STUDIES IN THE PRIMARY YEARS
- IL 1210 - EMERGENT LITERACY
- IL 1215 - READING IN THE PRIMARY YEARS
- IL 1218 - ASSESSMENT IN EDUCATION
- IL 1220 - LANGUAGE ARTS IN THE PRIMARY YEARS
- IL 1222 - MATHEMATICS IN THE PRIMARY YEARS
- IL 1225 - PEDAGOGY LAB - LITERACY AND MATHEMATICS
- IL 1275 - INTEGRATING THE CREATIVE ARTS
- IL 1324 - ENGAGING YOUNG CHILDREN IN LEARNING
- IL 1330 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - EARLY CHILDHOOD
- IL 1410 - SCHOOL-FAMILY-COMMUNITY COLLABORATION
- IL 1420 - SCIENCE IN THE PRIMARY YEARS
- IL 1700 - EARLY FIELD EXPERIENCE-ELEM
- IL 1810 - PRE STUDENT TEACHING - EARLY CHILDHOOD
- IL 1820 - STUDENT TEACHING - EARLY CHILDHOOD
- IL 1875 - STUDENT TEACHING SEMINAR - EARLY CHILDHOOD
- IL 0020 - DIRECTED TUTORING - Optional

Total Credits: 67

History, BA

The History major is concerned with the broad range of experiences, events, and decisions which have taken place in the past and which have shaped our current world. Our program concentrates on the history of the United States, Europe, and Latin America and their interactions with the remainder of the world. It is also concerned with imparting an introductory knowledge of the basic tools of history.

Core Courses 3 courses (9 credits)

Complete one survey course in each of the following areas:

- HIST 0500 - COLONIAL LATIN AMERICA OR
- HIST 0501 - MODERN LATIN AMERICA
- HIST 0600 - UNITED STATES TO 1877 OR
- HIST 0601 - UNITED STATES 1865-PRESENT
- HIST 0710 - WORLD HISTORY TO 1500 or
- HIST 0711 - WORLD HISTORY 1500 TO THE PRESENT

Electives 7 courses (21 credits)

Choose seven History courses. Of the seven courses, five courses must be upper-level History courses. The remaining two courses may be either upper-level courses, cross-listed courses, approved Classic courses, or survey courses. A partial list of elective classes is provided below. See the course descriptions in the current schedule of classes for additional choices.

- HIST 0180 - 19TH CENTURY EUROPE

- HIST 0575 - HISTORY OF MODERN CENTRAL AMERICA
- HIST 0756 - INTRODUCTION TO ISLAMIC CIVILIZATION
- HIST 1005 - SPECIAL TOPICS
- HIST 1075 - SLAVERY IN THE ATLANTIC WORLD
- HIST 1140 - HISTORY AND CULTURE OF SPAIN
- HIST 1367 - 20TH CENTURY EUROPE
- HIST 1522 - BRAZIL
- HIST 1525 - MEXICO, AZTECS TO THE PRESENT
- HIST 1580 - 19TH CENTURY LATIN AMERICA
- HIST 1583 - 20THC LATIN AMERICAN REVOLUTIONS
- HIST 1611 - AMERICAN REVOLUTION 1763-1791
- HIST 1614 - CIVIL WAR HISTORY
- HIST 1616 - ANTEBELLUM AMERICA: FROM THE 1790S TO THE WAR WITH MEXICO
- HIST 1715 - EMPIRES IN THE MODERN WORLD
- HIST 1900 - HISTORY INTERNSHIP
- CLASS 0010 - GREEK CIVILIZATION
- CLASS 0020 - ROMAN CIVILIZATION

Additional Requirements 2 courses (6 credits)

Histroy majors should enroll in HIST 1010 - HISTORICAL INQUIRY AND METHODS and HIST 1955 - HISTORY CAPSTONE in the latter part of the undergraduate experience.

Total Credits: 36

Management Information Systems, BS

Management-Information Systems (MIS) is the application of information technology to organizational and managerial needs. The MIS program provides training in both business and information systems to prepare students to use their knowledge of systems and technology to solve business problems

Core Management Courses, 4 courses (12 credits)

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 0023 - MANAGERIAL ACCOUNTING
- MGMT 1818 - MANAGEMENT SCIENCE
- INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY

Area Courses, 2 courses (6 credits)

Select two from the following list of four area courses:

- MGMT 1819 - INTRODUCTION TO MARKETING
- MGMT 1820 - OPERATIONS MANAGEMENT
- MGMT 1821 - INTRODUCTION TO FINANCE
- MGMT 1832 - HUMAN RESOURCES MANAGEMENT

Information Systems Courses, 5 courses (15 credits)

- CS 0421 - PROGRAMMING USING JAVA or another approved programming course
- INFSCI 1022 - DATABASE MANAGEMENT SYSTEMS
- INFSCI 1037 - INFORMATION TECHNOLOGY PROJECT MANAGEMENT
- INFSCI 1044 - HUMAN FACTORS IN SYSTEM DESIGN
- INFSCI 1070 - INTRODUCTION TO TELECOMMUNICATIONS AND NETWORKS

Electives, 4 courses (12 credits)

Take an additional three courses in Management, Accounting, or Information Science or another course from the approved elective list. See an Advisor for details.

Additional Requirements, 1 course (3 credits)

After earning 90 credits, Management-Information Systems majors must take INFSCI 1038 - Management of Information Systems to fulfill the capstone course requirement.

Total Credits: 48

Liberal Arts Courses

Management majors must take the following courses used to satisfy the General Education requirements. *Some of these courses may have prerequisites.

- CS 0098 - DECISION MAKING WITH EXCEL
- MATH 0120 - BUSINESS CALCULUS *
- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- PHIL 1380 - BUSINESS ETHICS
- PSY 0680 - INTRODUCTION INDUSTRIAL/ORGANIZATIONAL *
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT *
- ENGCMP 0031 - BUSINESS WRITING

Management, BS

The Management major is a modern business program emphasizing the management of individuals and groups within the business organization and the quantitative and analytical methods required in decision making.

Core Management Courses 6 courses (18 credits)

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 0023 - MANAGERIAL ACCOUNTING
- MGMT 1818 - MANAGEMENT SCIENCE
- MGMT 1819 - INTRODUCTION TO MARKETING
- MGMT 1820 - OPERATIONS MANAGEMENT

- INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY

Management Concentration 5 courses (15 credits)

- MGMT 1125 - BUSINESS ECONOMICS
- MGMT 1821 - INTRODUCTION TO FINANCE
- MGMT 1832 - HUMAN RESOURCES MANAGEMENT
- MGMT 1843 - LAW OF BUSINESS ORGANIZATIONS
- MGMT 1861 - MANAGEMENT POLICY & ADMINSTRTN

Electives 4 courses (12 credits)

Take an additional four courses in Management, Accounting, or Information Science or another course from the approved elective list. See an Advisor for details.

Additional Requirement 1 course (3 credits)

After earning 90 credits, all Management majors must take MGMT 1950 - SENIOR PROJECT FOR MANAGEMENT to fulfill the capstone course requirement.

Total Credits: 48

Liberal Arts Courses

Management majors must take the following courses used to satisfy the General Education requirements. *Some of the courses listed below may have prerequisites.

- CS 0098 - DECISION MAKING WITH EXCEL
- MATH 0120 - BUSINESS CALCULUS *
- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- PHIL 1380 - BUSINESS ETHICS
- PSY 0680 - INTRODUCTION INDUSTRIAL/ORGANIZATIONAL *
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT *
- ENGCOMP 0031 - BUSINESS WRITING

Management-Accounting, BS

The management-accounting major provides a firm foundation in management as well as extensive training in accounting. Graduates in management-accounting earn 126 total credits and enough credits in accounting to qualify them to sit for the Certified Public Accountant (CPA) exam.

Core Management Courses, 4 courses (12 credits)

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 0023 - MANAGERIAL ACCOUNTING

- MGMT 1818 - MANAGEMENT SCIENCE
- INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY

Area Courses, 2 courses (6 credits)

- MGMT 1821 - INTRODUCTION TO FINANCE (required)

and

Choose one additional area course from the following list:

- MGMT 1819 - INTRODUCTION TO MARKETING
- MGMT 1820 - OPERATIONS MANAGEMENT
- MGMT 1832 - HUMAN RESOURCES MANAGEMENT

Advanced Accounting Courses, 6 courses (18 credits)

- MGMT 1138 - CORPORATE FINANCIAL ACCOUNTING
- MGMT 1140 - ACCOUNTING INFORMATION SYSTEMS AND FINANCIAL STATEMENT ANALYSIS
- MGMT 1835 - INTERMEDIATE ACCOUNTING 1
- MGMT 1836 - INTERMEDIATE ACCOUNTING 2
- MGMT 1837 - ADVANCED ACCOUNTING
- MGMT 1838 - STANDRD COSTS BUDGT PROFIT PLN

Accounting Electives, 2 courses (6 credits)

Select two from the following list of Accounting and Management courses:

- MGMT 1839 - FEDERAL INCOME TAX ACCOUNTNG 1
- MGMT 1840 - FEDERAL INCOME TAX ACCOUNTNG 2
- MGMT 1841 - AUDITING
- MGMT 1898 - INTERNSHIP

Select two from the following list of Accounting and Management courses.

- MGMT 1839 - FEDERAL INCOME TAX ACCOUNTNG 1
- MGMT 1840 - FEDERAL INCOME TAX ACCOUNTNG 2
- MGMT 1841 - AUDITING
- MGMT 1898 - INTERNSHIP

Electives, 3 courses (9 credits)

Take an additional three courses in Management, Accounting, or Information Science or another course from the approved elective list. See an Advisor for details.

Additional Requirements, 1 course (3 credits)

After earning 90 credits, including the completion of MGMT 1140 and MGMT 1836, all Management-Accounting majors must take MGMT 1951 Senior Project for Management-Accounting to fulfill the capstone course requirement.

Total Credits: 54

Liberal Arts Courses

Management majors must take the following courses used to satisfy the General Education requirements. *Some of these courses may have prerequisites.

- CS 0098 - DECISION MAKING WITH EXCEL
- MATH 0120 - BUSINESS CALCULUS *
- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- PHIL 1380 - BUSINESS ETHICS
- PSY 0680 - INTRODUCTION INDUSTRIAL/ORGANIZATIONAL *
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT *
- ENGCOMP 0031 - BUSINESS WRITING

Political Science, BA

The Political Science major encourages students to analyze the theories, institutions, and processes of political systems; develops a continuing and responsible interest in political activity and public affairs; and provides a basis for citizenship through a fundamental understanding of the nature of political systems.

Core Courses 4 courses (12 credits)

- PS 0200 - AMERICAN POLITICS
- PS 0300 - COMPARATIVE POLITICS
- PS 0500 - WORLD POLITICS
- PS 0600 - POLITICAL THEORY

Electives 4 courses (12 credits)

Choose a total of four courses from at least two of the following groups:

Group I American Politics

- PS 1202 - AMERICAN CONSTITUTIONAL LAW
- PS 1210 - RELIGION AND POLITICS
- PS 1211 - LEGISLATIVE PROCESS
- PS 1212 - AMERICAN PRESIDENCY
- PS 1234 - ELECTORAL BEHAVIORS AND DEMOCRATIC PROCESS
- PS 1251 - URBAN GOVERNMENT AND POLITICS
- PS 1252 - STATE GOVERNMENT

- PS 1261 - AMERICAN PUBLIC POLICY

Group II Comparative Government

- PS 1314 - GERMAN GOVERNMENT AND POLITICS
- PS 1318 - EUROPEAN GOVERNMENT AND POLITICS
- PS 1321 - LATIN AMERICAN POLITICS

Group III International Relations

- PS 1503 - INTERNATIONAL ORGANIZATION
- PS 1511 - AMERICAN FOREIGN POLICY
- PS 1541 - POLITICS GLOBAL ECONOMIC RELATIONS

Group IV Political Theory

- PS 1603 - MODERN AND CONTEMPORARY POLITICAL THOUGHT
- PS 1607 - AMERICAN POLITICAL THOUGHT
- PS 1836 - POLITICS THROUGH FILM

Related Area 4 courses (12 credits)

Take four courses in another social science (e.g., Anthropology, Economics, History, Criminal Justice, Sociology) or in Philosophy.

Additional Requirements 1 course (3 credits)

After earning 90 credits, all Political Science majors must take PS 1955 to fulfill the capstone class requirement.

Total Credits: 39

Public Policy, BS

The Public Policy major provides students with background from a variety of disciplines (philosophy and political science in dealing with value conflicts; economics for assessing risks and costs and benefits; research methods and statistics for evaluating programs; and communication for understanding public relations and advocacy) so they are prepared to contribute effectively to formulation, implementation, and evaluation of public policy.

Core Courses 5 courses (15 credits)

- COMMRC 1111 - THEORIES OF PERSUASION
- ECON 0225 - COST BENEFIT ANALYSIS
- PS 1261 - AMERICAN PUBLIC POLICY
OR PS 1265 Administration of Public Affairs
- SOCSCI 0105 - INTRODUCTION TO PUBLIC POLICY
- SOCSCI 0200 - RESEARCH METHODS IN THE SOCIAL SCIENCES: SMOKE AND MIRRORS-EVALUATING INFORMATION

Electives 4 courses (12 credits)

Students choose four courses (12 credits) from either Economic and Business Policy, Political and Social Policy, or Policy Advocacy as their main area of emphasis. *A partial list of available classes is provided below:*

Economic and Business Policy

- ECON 0835 - GOVERNMENT AND THE ECONOMY
- ECON 0134 - PUBLIC ECONOMICS
- MGMT 1861 - MANAGEMENT POLICY & ADMINSTRTN
- MGMT 1125 - BUSINESS ECONOMICS
- STAT 1221 - APPLIED REGRESSION
- MGMT 1851 - LABOR-MANAGEMENT RELATIONS

Political and Social Policy

- PS 1541 - POLITICS GLOBAL ECONOMIC RELATIONS
- CJ 0002 - CRIME, LAW, AND PUBLIC POLICY or
- SOC 0020 - CRIME, LAW, AND PUBLIC POLICY
- CJ 0210 - AMERICAN SYSTEM OF CRIMINAL JUSTICE
- SOC 0007 - SOCIAL PROBLEMS
- SOC 0145 - DRUGS AND SOCIETY
- SOC 0433 - SOCIAL INEQUALITY
- SOC 0335 - SOCIOLOGY OF POLITICS

Policy Advocacy

- COMMRC 1127 - IMAGE RESTORATION IN THE MEDIA
- COMMRC 1410 - FILM AND PROPAGANDA
- COMMRC 1220 - PUBLIC RELATIONS STRATEGY AND PRACTICES
- COMMRC 1153 - RHETORIC AND PUBLIC POLICY
- COMMRC 0500 - ARGUMENT

Additional Requirements 3 courses (9 credits)

Internship and Practicum Credits with (SOCSCI 1040) and Program Evaluation (6 cr.), and Public Policy Capstone Course (3 cr.)

- SOCSCI 1040 - PROGRAM EVALUATION
- SOCSCI 1900 - INTERNSHIP
- SOCSCI 1955 - SOCIAL SCIENCES CAPSTONE

Total Credits: 36

General Education Courses 7 courses (22 Credits)

- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- PS 0200 - AMERICAN POLITICS
- STAT 0200 - BASIC APPLIED STATISTICS OR
- STAT 1000 - APPLIED STATISTICAL METHODS OR
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT
- PHIL 0300 - INTRODUCTION TO ETHICS OR
- PHIL 1380 - BUSINESS ETHICS
- COMMRC 0320 - MASS COMMUNICATION PROCESS
- SOC 0010 - INTRODUCTION TO SOCIOLOGY

Secondary Education, BS

Teacher candidates wishing to teach middle school and high school choose this education track. Secondary candidates can opt to earn a dual major by completing additional classes in their content area during additional semesters.

Classes focus on:

- Pedagogy, assessment, and management of students;
- Teaching diverse students;
- In-depth content knowledge in a chosen discipline.

Teacher candidates can choose from the following program content areas: Biology, Chemistry, English (Literature or Writing focus), Mathematics, or Social Studies (History or Political Science focus). Teacher candidates choosing to stay for one extra semester (or two in the case of Biology) can earn a dual major in both Secondary Education and in their discipline areas (e.g., Secondary Education in Mathematics AND in Applied Mathematics).

Secondary Education - Concentrations

Secondary Education - Biology

8 Semester Sequence Map (Eight Semester Map for Secondary Education with a Biology Specialty Area)

10 Semester Sequence Map (Secondary Education with a Biology Specialty Area AND Biology Major)

Core Course Requirements

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0080 - BIOLOGY LABORATORY 2
- BIOSC 0350 - GENETICS
- BIOSC 1385 - ECOLOGY AND ENVIRONMENT
- BIOSC 1110 - HUMAN ANATOMY AND PHYSIOLOGY 1
- BIOSC 1111 - HUMAN ANATOMY AND PHYSIOLOGY LAB 1
- BIOSC 1115 - HUMAN ANATOMY AND PHYSIOLOGY 2
- BIOSC 1116 - ANATOMY AND PHYSIOLOGY LAB 2

- BIOSC 1500 - CELL BIOLOGY
- BIOSC 1510 - CELL BIOLOGY LABORATORY
- NATSC 0075 - EARTH AND SPACE SCIENCE

Additional Required Courses

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- NATSC 0040 - BIG IDEAS IN SCIENCE
- STAT 1000 - APPLIED STATISTICAL METHODS

Biology Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1440 - TEACHING SCIENCE IN SECONDARY SCHOOLS
- IL 1441 - PEDAGOGY LAB - SCIENCE
- IL 1442 - TEACHING LAB SCIENCE
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Secondary Education - Chemistry

Eight semester sequence map (Eight Semester Map for Secondary Education with a Chemistry Specialty Area)

Nine semester sequence map (Nine Semester Map for Secondary Education with a Chemistry Specialty Area AND a Chemistry Major)

Core Course Requirements

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2
- CHEM 0250 - INTRODUCTION TO ANALYTICAL CHEMISTRY
- CHEM 0260 - INTRODUCTION TO ANALYTICAL CHEMISTRY LAB
- CHEM 1410 - PHYSICAL CHEMISTRY 1
- CHEM 1035 - INTRODUCTION TO ENVIRONMENTAL CHEMISTRY

Additional Required Courses

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- NATSC 0040 - BIG IDEAS IN SCIENCE
- PHYS 0110 - INTRODUCTION TO PHYSICS 1
- PHYS 0111 - INTRODUCTION TO PHYSICS 2
- PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS

Chemistry Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1440 - TEACHING SCIENCE IN SECONDARY SCHOOLS
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1441 - PEDAGOGY LAB - SCIENCE
- IL 1442 - TEACHING LAB SCIENCE
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Secondary Education - English

Students desiring to teach English will choose either an English Literature or English Writing focus.

English Literature

8 semester course sequence map (Eight Semester Map for Secondary Education with an English Literature Specialty Area)

9 semester course sequence map (Nine Semester Map for Secondary Education with an English Literature Specialty Area AND an English Literature Major)

Core Course Requirements

Take four of the following five courses:

- ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT
- ENGLIT 1100 - MEDIEVAL IMAGINATION
- ENGLIT 1125 - MASTERPIECES OF RENAISSANCE LITERATURE
- ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE
- ENGLIT 1325 - MODERNISM

Take both of the following:

- ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE
- ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE

Additional Required Courses

Take two of the following five:

- ENGWRIT 0520 - INTRODUCTION TO FICTION WRITING
- ENGWRIT 0530 - INTRODUCTION TO POETRY WRITING

- ENGWR 0550 - FUNDAMENTALS OF NEWS REPORTING
- ENGWR 0410 - INTRODUCTION TO CREATIVE WRITING
Choose one of the following:
- ENGWR 0411 - INTRODUCTION TO CREATIVE NONFICTION
- ENGWR - Elective (choose one)

English Literature Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1235 - TEACHING ENGLISH IN SECONDARY SCHOOLS
- IL 1236 - PEDAGOGY LAB - ENGLISH
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

English Writing

8 semester course sequence map (Eight Semester Map for Secondary Education with an English Writing Specialty Area)

9 semester course sequence map (Nine Semester Map for Secondary Education with an English Writing Specialty Area AND English Writing Major)

Core Course Requirements

(Take 2 of the following 5)

Take two of the following five:

- ENGWR 0520 - INTRODUCTION TO FICTION WRITING
- ENGWR 0530 - INTRODUCTION TO POETRY WRITING
- ENGWR 0550 - FUNDAMENTALS OF NEWS REPORTING
- ENGWR 0410 - INTRODUCTION TO CREATIVE WRITING
- ENGWR 0411 - INTRODUCTION TO CREATIVE NONFICTION
- 3 ENGWR - Electives

Take three ENGWR electives (9 credits)

Additional Required Courses

(Take 3 of the following 5)

Take three of the following five courses:

- ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT
- ENGLIT 1100 - MEDIEVAL IMAGINATION
- ENGLIT 1125 - MASTERPIECES OF RENAISSANCE LITERATURE
- ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE
- ENGLIT 1325 - MODERNISM

Take both of the following courses:

- ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE

- ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE

English Writing Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1235 - TEACHING ENGLISH IN SECONDARY SCHOOLS
- IL 1236 - PEDAGOGY LAB - ENGLISH
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Secondary Education - Mathematics

8 semester course sequence map

9 semester course sequence map

Core Course Requirements

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- MATH 0240 - ANALYTIC GEOMETRY AND CALCULUS 3
- MATH 0413 - INTRO THEORETICAL MATHEMATICS
- MATH 0420 - INTRO THEORY 1-VARIABLE CALCULUS
- MATH 0430 - INTRO ABSTRACT ALGEBRAIC SYSTEMS
- MATH 1180 - LINEAR ALGEBRA 1
- MATH 1270 - ORDINARY DIFFERENTIAL EQUATIONS 1
- MATH 1020 - APPLIED ELEMENTARY NUMBER THEORY
- MATH 1290 - TOPICS IN GEOMETRY
- MATH 1230 - THE BIG IDEAS OF MATHEMATICS

Math Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1470 - TEACHING MATHEMATICS IN SECONDARY SCHOOLS
- IL 1471 - PEDAGOGY LAB - MATHEMATICS
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Secondary Education - Social Studies

Students desiring to teach Social Studies will choose either a History or Political Science focus.

History

8 semester course sequence map (Eight Semester Map for Social Studies Education with a History Specialty Area)

9 semester course sequence map (Nine Semester Map for Social Studies Education with a History Specialty Area AND History Major)

Core Course Requirements

- HIST 0600 - UNITED STATES TO 1877
- HIST 0601 - UNITED STATES 1865-PRESENT
- HIST 0500 - COLONIAL LATIN AMERICA or
- HIST 0501 - MODERN LATIN AMERICA

- HIST 0710 - WORLD HISTORY TO 1500
- HIST 0711 - WORLD HISTORY 1500 TO THE PRESENT
- HIST 1010 - HISTORICAL INQUIRY AND METHODS
- HIST Elective - (Minority or non-western)

Additional Required Courses

- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY or
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY OR
- PSY 0311 - LIFESPAN DEVELOPMENT
- PSY 1001 - INTRO EDUCATIONAL PSYCHOLOGY
- ANTH 0780 - INTRODUCTION TO CULTURAL ANTHROPOLOGY

Social Studies (History) Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1161 - SOCIAL STUDIES IN THE PRIMARY YEARS
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1280 - TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS
- IL 1281 - PEDAGOGY LAB - SOCIAL STUDIES
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Political Science

8 semester course sequence map (Eight Semester Map for Secondary Social Studies Education with a Political Science Specialty Area)

9 semester course sequence map (Nine Semester Map for Secondary Social Studies Education with a Political Science Specialty Area AND Political Science Major)

Core Course Requirements

- PS 0200 - AMERICAN POLITICS
- PS 1202 - AMERICAN CONSTITUTIONAL LAW
- PS - Elective

Take 2 of the following 3

- PS 0300 - COMPARATIVE POLITICS
- PS 0500 - WORLD POLITICS
- PS 0600 - POLITICAL THEORY

Additional Required Courses

- HIST 0601 - UNITED STATES 1865-PRESENT
- HIST 0100 - WESTERN CIVILIZATION 1 or
- HIST 0101 - WESTERN CIVILIZATION 2
- HIST 0500 - COLONIAL LATIN AMERICA or
- HIST 0501 - MODERN LATIN AMERICA
- HIST 0710 - WORLD HISTORY TO 1500 OR
- HIST 0711 - WORLD HISTORY 1500 TO THE PRESENT
- PSY 1001 - INTRO EDUCATIONAL PSYCHOLOGY
- ANTH 0780 - INTRODUCTION TO CULTURAL ANTHROPOLOGY
- HIST 1010 - HISTORICAL INQUIRY AND METHODS

Social Studies (Political Science) Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1280 - TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS
- IL 1281 - PEDAGOGY LAB - SOCIAL STUDIES
- IL 1811 - PRE STUDENT TEACHING - SECONDARY
- IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY
- IL 1821 - STUDENT TEACHING - SECONDARY

Social Sciences Area, BA

The Social Sciences area option allows students to meet their individual education needs by developing a major based on courses from several departments within the Behavioral Sciences Division. The selection of courses should reflect a theme or program that is developed in consultation with the Academic Advisor.

Core Requirements 12 courses (36 credits)

To satisfy the requirements for a Social Sciences area major, students select one program in which they take five to six courses (15-18 credits) and two other programs in which they take three to four courses (9-12 credits) each for a minimum total of 36 credits. An example program of studies for a student who chose History as the major department and Political Science and Economics as the minor programs is shown below.

History

- HIST 0302 - SOVIET RUSSIA
- HIST 0500 - COLONIAL LATIN AMERICA
- HIST 0600 - UNITED STATES TO 1877
- HIST 0601 - UNITED STATES 1865-PRESENT
- HIST 0710 - WORLD HISTORY TO 1500
- HIST 1010 - HISTORICAL INQUIRY AND METHODS
- HIST 1367 - 20TH CENTURY EUROPE

Political Science

- PS 0200 - AMERICAN POLITICS
- PS 1202 - AMERICAN CONSTITUTIONAL LAW
- PS 1261 - AMERICAN PUBLIC POLICY
- PS 1511 - AMERICAN FOREIGN POLICY

Economics

- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- ECON 0130 - GLOBALIZATION

Additional Requirements 1 course (3 credits)

After earning 90 credits, all Social Sciences area majors must take one of the capstone courses offered by the major area of concentration to fulfill the capstone course requirement.

Total Credits: 39

Spanish Education, BS

Teacher candidates wishing to teach Spanish at any K-12 level choose this education track. Spanish Education candidates can opt to earn a dual major by completing additional classes within the Spanish major during additional semesters. Students gain experience with students in elementary, middle, and high school. Study abroad to gain language fluency and cultural immersion is strongly encouraged.

Classes focus on:

- Pedagogy, assessment, and management of students;
- Teaching diverse students;
- In-depth content knowledge in a chosen discipline.

Course Sequence Maps

Spanish Education (K-12)

8 semester sequence map

9 semester sequence map

Core Course Requirements

- SPAN 0003 - INTERMEDIATE SPANISH 3 (if not exempt)
- SPAN 0004 - INTERMEDIATE SPANISH 4 (if not exempt)
- SPAN 0020 - CONVERSATION or
- SPAN 0025 - GRAMMAR AND COMPOSITION
- SPAN 0055 - INTRODUCTION HISPANIC LITERATURE 1
- SPAN 1302 - ADVANCED COMPOSITION AND STYLISTICS
- SPAN 1300 - SPANISH PHONETICS AND PHONEMICS or
- SPAN 1331 - STRUCTURE OF MODERN SPANISH

Choice of four additional classes:

- SPAN 1400 - SURVEY LATIN AMERICAN LITERATURE
- SPAN 1403 - LATIN AMERICAN NARRATIVE
- SPAN 1410 - CINEMA OF THE HISPANIC WORLD
- SPAN 1450 - HISPANIC LEGENDS
- SPAN 1600 - SURVEY OF SPANISH LITERATURE
- SPAN 1404 - LATIN AMERICAN TOPICS

Spanish Education Courses

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- EDPSY 0009 - ENGLISH LANGUAGE LEARNERS
- IL 1333 - STRATEGIES AND TECHNIQUES OF INSTRUCTION K-12
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2
- IL 1703 - EARLY FIELD EXPERIENCE K-12
- IL 1237 - TEACHING SPANISH METHODS IN K-12 CLASSROOMS
- IL 1238 - PEDAGOGY LAB- SPANISH
- IL 1812 - PRE-STUDENT TEACHING- K-12
- IL 1877 - STUDENT TEACHING SEMINAR- K-12
- IL 1822 - STUDENT TEACHING- K-12

Manufacturing Management Certificate

The University of Pittsburgh at Greensburg is pleased to present this new educational opportunity to the precision manufacturing industry of southwestern Pennsylvania. Precision manufacturing is an engine of economic growth and job creation in southwestern Pennsylvania. However, a shortage of appropriately skilled workers with competencies essential to high-growth industries, along with an aging workforce, combine to create a demand for programs that will increase the number of workers available to serve the manufacturing industry. The existing and future manufacturing workforce needs access to educational programs that will enable them to attain, maintain, or upgrade skills to adapt to changing workforce needs.

The content and the delivery format for Pitt-Greensburg's Manufacturing Management Certificate Program are designed for working learners with technical training in manufacturing who have been identified by their employers as candidates for future leadership roles.

Others who would benefit from this program include military veterans who would like to enhance their skills as well as displaced workers who would like to enter this sector of the workforce.

The content for the program is customized to provide the courses in management and related areas that are most relevant to current work experiences. The program is also designed so that the credits could be applied toward a bachelor's degree in business management.

A component of the program would require participants who receive tuition reimbursement to agree to stay with their employer for a designated time period or become responsible for repayment of their educational costs. Please see your human resource department for details about your company's educational benefits.

Core Courses (9 credits)

- MGMT (New) - Accounting for Managers
- MGMT 1818 - MANAGEMENT SCIENCE
- MGMT 1820 - OPERATIONS MANAGEMENT

General Education Courses (7 credits)

- COMMRC (New) - Professional Communication
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT

Electives (3 courses for 9 credits)

- MGMT 1855 - SUPPLY CHAIN MANAGMENT
- MGMT 1857 - PROJECT MANAGEMENT
- MGMT (New) - Organizational Behavior
- MGMT (New) - Quality Control

Total Credits: 24

Accounting Minor

Students interested in Accounting may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Accounting requires that students complete five courses for a total of 15 credits.

Requirements 5 courses (15 credits)

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 0023 - MANAGERIAL ACCOUNTING

- MGMT 1138 - CORPORATE FINANCIAL ACCOUNTING
- MGMT 1140 - ACCOUNTING INFORMATION SYSTEMS AND FINANCIAL STATEMENT ANALYSIS
- MGMT 1835 - INTERMEDIATE ACCOUNTING 1

Note:

Management and Management Information Science majors pursuing an Accounting minor must take 2 upper level Management classes in place of MGMT 0022 and MGMT 0023.

Each course for the Accounting minor must be completed with a grade of C- or better.

Total Credits: 15

Education Minor

Students interested in Education may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Education requires that students complete a total of 21 credits, six of which can be used to fulfill social science requirements under General Education.

Requirements: 2 courses (6 credits)

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY *
- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY OR
- PSY 0311 - LIFESPAN DEVELOPMENT

Note:

*Select these courses to fulfill Social Science (SS and SS1) under General Education.

Requirements: 5 courses (15 credits)

- ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION
- IL 1330 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - EARLY CHILDHOOD
OR
- IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY
- IL 1700 - EARLY FIELD EXPERIENCE-ELEM or
- IL 1702 - EARLY FLD EXPERIENCE-SECONDARY
- IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1
- PSYED 1001 - INTRO EDUCATIONAL PSYCHOLOGY *

Note:

Each Course for the Education minor must be completed with a grade of C- or better.

*PSYED 1001 cannot be used as part of student's major requirements.

Total Credits: 21

History Minor

Students interested in History may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in History requires that students complete five courses for a total of 15 credits in addition to any History courses chosen to fulfill the requirements under General Education.

Requirements: 5 courses (15 credit)

- HIST 0710 - WORLD HISTORY TO 1500 OR
- HIST 0711 - WORLD HISTORY 1500 TO THE PRESENT
- HIST 0500 - COLONIAL LATIN AMERICA OR
- HIST 0501 - MODERN LATIN AMERICA
- HIST 0600 - UNITED STATES TO 1877 OR
- HIST 0601 - UNITED STATES 1865-PRESENT

Survey Courses (9 credits)

Complete three of the above survey courses; one from each of the following groupings:

United States
World
Latin America

Complete two additional upper-level History courses.

Total Credits: 15

Political Science Minor

Students interested in Political Science may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Political Science requires that students complete six courses for a total of 18 credits. Three of the credits selected for the Political Science minor may also be used to satisfy one of the Social Science requirements under General Education.

Requirements: 6 courses (18 credits)

Complete three of the following four courses:

- PS 0200 - AMERICAN POLITICS
- PS 0300 - COMPARATIVE POLITICS
- PS 0500 - WORLD POLITICS
- PS 0600 - POLITICAL THEORY

Complete three additional PS courses

Complete three additional PS courses, two of which must be upper-level courses numbered 1000 or above.

Total Credits: 18

Sociology Minor

Students interested in Sociology may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Sociology requires that students complete six courses for a total of 18 credits. One of the courses chosen for the Sociology minor may also be used to satisfy a Social Science requirement under General Education.

Requirements: 6 courses (18 credits)

- SOC 0010 - INTRODUCTION TO SOCIOLOGY
- SOC 0150 - SOCIAL THEORY
- SOCSCI 0200 - RESEARCH METHODS IN THE SOCIAL SCIENCES: SMOKE AND MIRRORS-EVALUATING INFORMATION

Complete three additional Sociology courses

Complete three additional Sociology courses. Only 1 Special Topics class can count as a SOC requirement for this minor.

Total Credits: 18

College of Business Administration (Pittsburgh Campus)

Guidelines for Admissions Consideration:

- Completion of at least 30 credits at the University of Pittsburgh applicable to the BSBA degree+
- Cumulative Pitt GPA of 3.00 or higher
- Average of 3.00 or higher in the following four business prerequisite courses or their regional campus equivalents:
 - ECON 0100 Introduction to Microeconomic Theory (3 credits)*
 - ECON 0110 Introduction to Macroeconomic Theory (3 credits)*

- MATH 0120 Business Calculus or MATH 0220 Analytical Geometry and Calculus 1 (4 credits)*
- STAT 1100 Statistics and Probability for Business Management (4 credits)*

+If you have a strong academic history and would have been admissible to Pitt Business as a freshman, you may not need to complete 30 credits or all of the prerequisites before applying. We recommend discussing a timeframe for application with your academic advisor.

*In the admissions review, we will calculate your prerequisite average without including the effect of course repeats. The original grade earned in the prerequisites will be counted. Also, if you opt to take any business courses prior to admission to Pitt Business, please be aware that your performance in them will impact your admissibility.

If you transferred to the University of Pittsburgh from another college, your performance at your previous school will be considered during the admissions process for Pitt Business. It is important to discuss prior college performance with your academic advisor and any impact it may have on admission.

To be eligible for transfer to the College of Business Administration, international students must have a TOEFL score of 100 or greater OR have completed ENGCOMP 0200 Seminar in Composition or its regional campus equivalent.

Course Planning

While you are completing the business prerequisites, you can also take some courses that fulfill general education requirements for the College of Business Administration as follows:

Requirement	Fulfilled by:
Composition	ENGCOMP 0200 Seminar in composition
Foreign Language	Two terms of foreign language at Pitt or by successful completion of three years of the same foreign language in high school
Literature	One approved course
Music/Art	One approved course
Philosophy	One approved course
Social Sciences	Two approved courses from different disciplines

Natural Sciences Two approved courses

Foreign Culture Two approved courses

Application Deadlines

Admission to Pitt Business is handled on a rolling basis, which means that there is not a specific application deadline by which to apply. Students are admitted for any of Pitt's three academic semesters: fall (August), spring (January), and summer (May). You are encouraged to apply well in advance of the semester in which you want to enroll. The College of Business Administration reserves the right to close admission for the semester once capacity has been reached.

Next Steps

Apply by completing an Academic Program Change Form. Forms are obtained from and submitted to the academic program in which you are currently enrolled. Indicate on your form that you want to transfer to the College of Business Administration. You will be notified via email of your admissions decision.

School of Social Work (Pittsburgh Campus)

Admission to the Social Work Major Requires a Student To:

Complete 60 transferable credits from an undergraduate institution and/or an associate degree program.

Demonstrate the capacity for successful work at the undergraduate level, with a minimum of 2.5 QPA on a 4.0 scale (students with a QPA below 2.5 may apply to be considered for admission on provisional status). Credits awarded from the College Level Examination Program (CLEP) by the College of General Studies are acceptable for inclusion in the 60 credits.

A **minimum of 120 credits** is required for graduation from the BASW major. To graduate from the BASW Program, a student must:

Complete Social and Behavioral Science Courses-24 credits required. * Students must take one course in each of the following areas and must select one of the areas for a concentration of a minimum of 12 credits:

- Anthropology
- Psychology
- Economics
- Sociology
- Political Science

Other Course Requirements*

- Africana Studies 3 crs.
- English Composition 3 crs.
- Human Biology 3 crs.
- Statistics 3 crs.

Successfully complete all 48 credits of required BASW social work courses including field practicum.

Students are able to select from the following areas of concentration:

- African Studies
- Psychology
- Anthropology
- Sociology
- Economics
- Urban Studies
- Global Studies
- Gender, Sexuality, and Women's Studies
- Political science

*Some or all of the above courses may have been taken as part of the 60 credits required for admission.

Consult Students for information on academic resources.

Minor Requirements

Undergraduates throughout the university are able to complete a Social Work minor. In order to do so they must:

1. Register with the BASW Student Services Specialist Jessalynn Oliver who will certify that they are completing the social work minor.
2. Complete (with a grade of C- or better) 12 credits from the following courses, but must include SOCWRK 1000: Introduction to Social Work.

SOCWRK 1000: Introduction to Social Work (required for all subsequent courses with the exception of SOCWRK 1005)

SOCWRK 1005: Foundations of the Welfare State

SOCWRK 1006: Policy Analysis

SOCWRK 1035: Global Perspectives in Social Work

SOCWRK 1058: Economics and Social Work

SOCWRK 1079: Child Welfare Services

SOCWRK 1088: Special Topics (1-3 credits)

Humanities

Communication: Rhetoric and Communications, BA

The study of communication and rhetoric treats human communication as purposeful interaction between speakers and listeners. It takes into account the purpose of the message, the audience, the channels used, and the context in which the communication occurs. As a discipline, communication investigates a broad range of topics and incorporates knowledge acquired from other fields as well, including psychology, sociology, anthropology, and linguistics.

Core Courses 2 courses (6 credits)

- COMMRC 0310 - RHETORICAL PROCESS
- COMMRC 0320 - MASS COMMUNICATION PROCESS

Method Courses 1 course (3 credits)

- COMMRC 1030 - RESEARCH METHODS IN COMMUNICATION STUDIES

Area Courses 6 courses (18 credits)

Students choose four courses (12 credits) from either Rhetorical Studies or Media Studies as their main area of emphasis and two courses (6 credits) from the other area of emphasis. A partial list of available classes is provided below.

Rhetorical Studies

- COMMRC 0005 - INTERVIEWING AND INFORMATION GATHERING
- COMMRC 0500 - ARGUMENT
- COMMRC 1111 - THEORIES OF PERSUASION
- COMMRC 1127 - IMAGE RESTORATION IN THE MEDIA
- COMMRC 1146 - INTERCULTURAL COMMUNICATION
- COMMRC 1155 - THE HISTORY OF RHETORIC IN AMERICAN ADVERTISING
- COMMRC 1520 - ADVANCED PUBLIC SPEAKING
- COMMRC 1153 - RHETORIC AND PUBLIC POLICY

Media Studies

- COMMRC 0330 - CULTURAL STUDIES AND COMMUNICATION
- COMMRC 0570 - INDEPENDENT FILM
- COMMRC 1012 - DIGITAL STORYTELLING 1
- COMMRC 1021 - THE STUDIO: VIDEO PRODUCTIONS
- COMMRC 1022 - DIGITAL STORYTELLING 2
- COMMRC 1035 - VISUAL RHETORIC
- COMMRC 1105 - TELEVISION AND SOCIETY
- COMMRC 1152 - DIGITAL AND PROFESSIONAL COMMUNICATION
- COMMRC 1220 - PUBLIC RELATIONS STRATEGY AND PRACTICES
- COMMRC 1310 - ADVERTISING STRATEGY AND PRACTICES

- COMMRC 1410 - FILM AND PROPAGANDA

Related Area 4 courses (12 credits)

All Communication majors must select four courses from another discipline within the humanities area or from a discipline outside the humanities as approved by a faculty advisor. Students may also choose a Minor rather than a Related Area which is often a total of 15 credits, depending upon the chosen Minor.

Additional Requirements 1 course (3 credits)

- COMMRC 1950 - COMMUNICATION CAPSTONE (after earning 90 credits and completing COMMRC 1030)

Total Credits: 42

Creative and Professional Writing, BA

Students interested in English Creative and Professional Writing with an emphasis in journalism, fiction, poetry, or creative nonfiction complete **two basic courses** in creative and professional writing, then choose **six upper-level courses** in the major and **four literature courses**. Students are encouraged to identify a genre emphasis and complete all courses in that genre (poetry, fiction, creative nonfiction, journalism). Journalism majors are strongly encouraged to complete a **three-credit internship** in addition to their required coursework.

Requirements

Introductory Courses

Complete two out of the three of the following introductory courses:

- ENGWR 0410 - INTRODUCTION TO CREATIVE WRITING
 - ENGWR 0411 - INTRODUCTION TO CREATIVE NONFICTION
 - ENGWR 0550 - FUNDAMENTALS OF NEWS REPORTING
- (Note: Students must complete ENGCOMP 0020 before enrolling in a writing course.)*

Writing Courses

After completing the introductory courses, students are encouraged to declare a genre (poetry, fiction, creative nonfiction, or journalism) and complete all courses in that genre.

Note: Introductory courses may not be used to satisfy this requirement.

- ENGWR 1010 - INTERMEDIATE FICTION
- ENGWR 1012 - DIGITAL STORYTELLING 1
- ENGWR 1175 - FICTION SEMINAR: FAMILIES AND SMALL TOWNS
- ENGWR 1210 - POETRY WORKSHOP
- ENGWR 1250 - FORMAL POETRY WRITING
- ENGWR 1290 - READINGS IN CONTEMPORARY POETRY

- ENGWR 1310 - NEWSPAPER 1
- ENGWR 1331 - MAGAZINE 1
- ENGWR 1380 - NEWS PRACTICUM: THE INSIDER
- ENGWR 1390 - READINGS IN CONTEMPORARY NON-FICTION
- ENGWR 1410 - TOPICS IN NON-FICTION: MEMOIR
- ENGWR 1650 - PLAYWRITING 1
- ENGWR 1900 - INTERNSHIP: WRITING

Additional Requirements 4 courses (12 credits)

All students must complete four courses of English Literature electives as part of the major requirements.

Related Area 4 courses (12 credits)

These courses are in an area approved by the student's Academic Advisor.

Students may often choose a Minor rather than a related area which is often a total of 15 credits depending on the chosen Minor.

Total Credits: 51

English Writing Capstone 1 course (3 credits)

This rigorous, senior seminar course is taken during the student's senior year. Students complete a manuscript in their chosen genres and do a public presentation of their work as part of the course requirements.

English Literature, BA

Our English Literature major is distinctive in its balance of historical literary traditions, contemporary texts, critical theory, and cultural context. Because we can combine a small college's close attention to individual students with a large university's library resources, our courses encourage a wide range of interdisciplinary linkages while developing skills in information processing and online database research. The major engages students with challenging and provocative texts and in the process stimulates wide reading, understanding of a variety of literary traditions and genres, and critical thinking.

Core Courses 6 courses (18 credits)

The core courses ensure familiarity with a wide range of interconnected literary traditions over centuries. These should be taken after 30 credits of university coursework.

- ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT
- ENGLIT 1100 - MEDIEVAL IMAGINATION
- ENGLIT 1125 - MASTERPIECES OF RENAISSANCE LITERATURE
- ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE
- ENGLIT 1215 - PRE-20THC AMERICAN LITERATURE
- ENGLIT 1325 - MODERNISM

Electives 6 courses (18 credits)

Choose any six of the remaining ENGLIT courses offered at Pitt-Greensburg. A partial list of elective classes is provided below. See the course descriptions in this publication or the current Schedule of Classes for additional choices. One of these courses will be used to satisfy the literature requirement for general education.

- ENGLIT 0066 - INTRO TO SOCIAL LITERATURE
- ENGLIT 0110 - INTRODUCTION TO LITERATURE
- ENGLIT 0310 - THE DRAMATIC IMAGINATION
- ENGLIT 0315 - READING POETRY
- ENGLIT 0325 - THE SHORT STORY
- ENGLIT 0360 - WOMEN AND LITERATURE
- ENGLIT 0500 - INTRODUCTION TO CRITICAL READING
- ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE
- ENGLIT 0590 - FORMATIVE MASTERPIECES
- ENGLIT 0626 - SCIENCE FICTION
- ENGLIT 0643 - SATIRE
- ENGLIT 0650 - IRISH LITERATURE
- ENGLIT 1022 - LITERATURE OF THE AMERICAN WEST
- ENGLIT 1065 - NARRATIVE LITERATURE
- ENGLIT 1241 - JANE AUSTEN: BOOKS & FILM
- ENGLIT 1248 - LITERATURE OF MINORITY WOMEN
- ENGLIT 1380 - WORLD LITERATURE IN ENGLISH
- ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE
- ENGLIT 1572 - FANTASY AND ROMANCE
- ENGLIT 1611 - DEVELOPMENT OF THE NOVEL
- ENGLIT 1640 - LITERATURE FOR CHILDREN
- ENGLIT 1647 - LITERATURE FOR ADOLESCENTS
- ENGLIT 1701 - TOPICS IN WOMEN'S STUDIES
- ENGLIT 0570 - AMERICAN LITERATURE
- ENGLIT 0660 - LITERARY FAME

Related Area 4 courses (12 credits)

Choose four classes from one of the following departments: Classics, Communication, English Writing, French, History of Art & Architecture, Music, Philosophy, Spanish, or Theatre Arts. Other choices of departments for the related area are possible with the approval of the Academic Advisor.

Additional Requirement 1 course (3 credits)

After earning 90 credits, all literature majors must take ENGLIT 1950 to fulfill the capstone class requirement.

Total Credits: 51

Humanities Area, BA

The Humanities area option allows students to meet their individual educational needs by developing a major based on courses from several departments within the Division of Humanities. The selection of courses should reflect a theme or program that is developed in consultation with the faculty advisor.

Core Requirements 12 courses (36 credits)

To satisfy the requirements for a humanities area major, students select one department in which they take five to six courses (15-18 credits) and two other departments in which they take three to four courses (9-12 credits) each for a minimum total of 36 credits. An example program of study for a student who chose Communication as the major department and English Literature and History of Art & Architecture as the minor departments is shown below.

Communication

- COMMRC 0320 - MASS COMMUNICATION PROCESS
- COMMRC 1102 - ORGANIZATIONAL COMMUNICATION
- COMMRC 1111 - THEORIES OF PERSUASION

English Literature

- ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE
- ENGLIT 0590 - FORMATIVE MASTERPIECES
- ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT
- ENGLIT 1611 - DEVELOPMENT OF THE NOVEL

History of Art and Architecture

- HAA 0010 - INTRODUCTION TO WORLD ART
- HAA 1010 - APPROACHES TO ART HISTORY

Additional Requirement 1 course (3 credits)

After earning 90 credits, all Humanities Area majors must take one of the capstone courses offered in the major area of concentration or one of the minor areas to fulfill the capstone class requirement.

Total Credits: 39

Spanish, BA

The Spanish major provides a balanced combination of courses designed to strengthen written and spoken language skills, courses that offer a solid background in history, society, and politics and courses that emphasize literary and cultural heritage. Students are strongly encouraged to spend one semester in Pitt-Greensburg's exchange program with the University of Guanajuato or other Pitt study abroad programs.

Prerequisites up to 5 courses (15 credits)

Beginning level

(Exemptions possible based on high-school record and placement testing)

- SPAN 0041 - ELEMENTARY SPANISH 1
- SPAN 0042 - ELEMENTARY SPANISH 2
- SPAN 0043 - ELEMENTARY SPANISH 3

Intermediate level

(Typical starting place for Spanish major with strong high-school preparation)

- SPAN 0003 - INTERMEDIATE SPANISH 3
- SPAN 0004 - INTERMEDIATE SPANISH 4

Foundation Courses 6 courses (18 credits)

- SPAN 0020 - CONVERSATION
- SPAN 0025 - GRAMMAR AND COMPOSITION
- SPAN 0055 - INTRODUCTION HISPANIC LITERATURE 1
- SPAN 1302 - ADVANCED COMPOSITION AND STYLISTICS
- HIST 0501 - MODERN LATIN AMERICA
- HIST 1140 - HISTORY AND CULTURE OF SPAIN

Advanced Courses 5 courses (15 credits)

Following successful completion of the Foundation courses, Spanish majors must select an additional 15 credits of advanced courses from the following list:

- SPAN 1321 - BUSINESS SPANISH 1
- SPAN 1331 - STRUCTURE OF MODERN SPANISH
- SPAN 1400 - SURVEY LATIN AMERICAN LITERATURE
- SPAN 1403 - LATIN AMERICAN NARRATIVE
- SPAN 1404 - LATIN AMERICAN TOPICS
- SPAN 1410 - CINEMA OF THE HISPANIC WORLD
- SPAN 1450 - HISPANIC LEGENDS
- SPAN 1600 - SURVEY OF SPANISH LITERATURE

Additional Requirement 1 course (3 credits)

After earning 90 credits, all Spanish majors must take SPAN 1950 - SPANISH CAPSTONE to fulfill the capstone class requirement.

Study Abroad

Spanish majors are strongly encouraged to enroll in a study abroad experience equivalent to 6-12 credits of work. Up to 3 study abroad courses will be counted as advanced courses within the Spanish major with a fourth used for a General Education requirement. Study abroad courses must be approved, in advance, by the Study Abroad Advisor.

Total Credits: 36

Visual and Performing Arts, BA

Visual and Performing Arts is a contemporary academic field that approaches the visual and performing arts as a cohesive body of study. Its purpose is to explore the interconnectedness of art history, music, and theatre arts through a comparative examination of their themes, conventions, and aesthetic developments. This major also promotes understanding of the role of the arts in history and society and appreciation for human artistic expression.

Core Courses 6 courses (18 credits)

- HAA 0010 - INTRODUCTION TO WORLD ART
- HAA 1015 - METHODS OF ART HISTORY
- MUSIC 0211 - INTRODUCTION TO WESTERN ART MUSIC
- MUSIC 0800 - HIST OF AMERICAN POPULAR MUSIC
- THEA 0104 - BASIC ACTING
- THEA 0805 - INTRODUCTION TO THEATRE ARTS - PART 1 OR
- THEA 0806 - INTRODUCTION TO THEATRE ARTS - PART 2
- HUMAN 1100 - ARTS TIMELINE

Electives 5 courses (15 credits)

Students concentrate in one of the areas: (i.e., History of Arts and Architecture, Music or Theatre) taking three additional courses in that department and one additional course in each of the remaining two departments.

Additional Requirement 1 course (3 credits)

After earning 90 credits, all Interdisciplinary Arts majors must take HAA 1955, MUSIC 1955, or THEA 1955 to fulfill the capstone class requirement. The capstone project can be research or performance based. It must involve a second IA discipline, in addition to the student's chosen area of concentration.

Performance Opportunities

Students are encouraged to participate in music and theatrical performances. Credit is available as part of these performances to be used in the Humanities area of General Education or General Electives.

- MUSIC 0105 - MUSIC PRACTICUM - SPRING MUSICAL
- MUSIC 0610 - UPG COLLEGIATE CHORALE
- THEA 0103 - THEATRE PRACTICUM: PERFORMANCE
- MUSIC 0206 - CHAMBER SINGERS
- MUSIC 0511 - VOICE
- MUSIC 0512 - PIANO
- SA 0120 - PAINTING STUDIO 1
- SA 0130 - DRAWING STUDIO 1
- SA 1220 - PAINTING STUDIO 2

Total Credits: 37

Arts Entrepreneurship Certificate

The Arts Entrepreneurship Certificate Program has been designed to provide students with the knowledge, skills, and tools needed to create their own personal brand, to market themselves as artists, and to find gainful employment while they are working toward their eventual full-time career in the arts.

The courses can be taken at no extra cost, in as little as four semesters, while you complete your undergraduate degree. Some of the courses also fulfill general education requirements.

Students in the Certificate Program will take the following 3-credit courses:

- COMMRC 1310 - ADVERTISING STRATEGY AND PRACTICES
- ENGCOMP 0031 - BUSINESS WRITING
- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 1857 - PROJECT MANAGEMENT
- HUMAN (NEW) - Arts Entrepreneurship
- COMMRC 1900 - COMMUNICATION INTERNSHIP or
- THEA 0103 - THEATRE PRACTICUM: PERFORMANCE

Total Credits: 18

- The first four courses provide the basic business and promotional skills needed by an arts entrepreneur.
- The Arts Entrepreneurship course will focus on personal branding as a means for AE students to bring their skills to bear on their planning for their own careers. In addition, this course will provide necessary background on fundraising in the arts.
- Finally, students will earn three credits in a practicum experience chosen in consultation with their advisor.

Children's Literature Certificate

The Children's Literature certificate program offers a multidisciplinary course of concentrated study in literature for children and adolescents that should be attractive to students in a variety of majors. The certificate may be earned with the successful completion of 18 credits of designated course work and the signed approval of the director of the certificate program. Completion of the certificate program provides students with advantages in both employment and graduate study.

Required Courses (9 credits)

- ENGLIT 1640 - LITERATURE FOR CHILDREN
- ENGLIT 1645 - CRITL APPRCH TO CHILDREN'S LIT
- ENGLIT 1647 - LITERATURE FOR ADOLESCENTS

Additional Requirements (9 credits)

Students, in consultation with the director of the certificate program, will choose three courses (9 credits) from the following:

- CLASS 0030 - MYTHOLOGY IN THE ANCIENT WORLD
- CLASS 1130 - CLASSICAL MYTHOLOGY AND LITERATURE
- COMMRC 1146 - INTERCULTURAL COMMUNICATION
- ENGCOMP 1150 - GRAMMAR AND COPY-EDITING
- ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE
- ENGLIT 1572 - FANTASY AND ROMANCE
- ENGWRT 1089 - THE CREATIVE PROCESS

- HIST 1005 - SPECIAL TOPICS
- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- PSY 0402 - EXPERIMENTAL LEARNING
- PSY 1001 - INTRO EDUCATIONAL PSYCHOLOGY

Total Credits: 18

Courses offered on other Pitt campuses may be substituted with the approval of the director. Related courses offered in a given term may also be substituted by consent of the director of the program.

Students must earn a minimum grade of C- in all courses used to fulfill requirements for the Children's Literature Certificate.

Digital Studies Certificate

This certificate program combines digital media design, coding for the web, and applied research in the digital humanities. In pursuing the certificate, students will learn to make optimal design decisions for effective display on the multiple platforms and devices that access the World Wide Web. Students will design digital art and narrative, build digital research tools for public access, and gain certification in computer skills documented on their diplomas.

The coursework for the certificate is easily combined with majors in Visual and Performing Arts, English Literature, Communication, Creative and Professional Writing, and History, as well as Information Technology and Information Systems, and many others. There are no extra costs for pursuing this certificate, and many of the courses also fulfill general education requirements toward graduation. To complete the certificate students create a digital portfolio of projects to share evidence of their digital skills with potential employers and graduate programs.

Students complete six courses (18 credits): two core courses and four other elective classes. The two core courses involve experience in both digital research and digital presentation on the web. The electives are divided into "R" (digital research) and "P" ("project presentation") courses, and students must take at least one of each kind. The two other courses may be any from the lists below, or another course subject to approval by the faculty committee supervising Digital Studies. (To be approved by the committee, the main projects for the course must combine the learning and application of computing technology with another discipline.)

Core Courses

All students who pursue the certificate must take the following:

- COMMRC 1012 - DIGITAL STORYTELLING 1
- ENGWR 1012 - DIGITAL STORYTELLING 1

and either one of the following two:

- HUMAN 1030 - DIGITAL HUMANITIES
- SOCSCI 1031 - DIGITAL STUDIES

Elective Courses

Students choose at least one course marked "R," (digital research) at least one marked "P," (project presentation) and any other two from either the core or elective list:

- COMMRC 1022 - DIGITAL STORYTELLING 2 P
- ENGWR 1022 - DIGITAL STORYTELLING 2 P

- COMMRC 0570 - INDEPENDENT FILM P
- COMMRC 1020 - DIGITAL MEDIA STUDIES P
- COMMRC 1152 - DIGITAL AND PROFESSIONAL COMMUNICATION
- CS 0134 - WEB SITE DESIGN AND DEVELOPMENT P
- ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE R
- ENGLIT 1241 - JANE AUSTEN: BOOKS & FILM
- ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE R
- ENGLIT 1572 - FANTASY AND ROMANCE
- ENGWR 1331 - MAGAZINE 1 P
- ENGWR 1415 - TOPICS IN NONFICTION WRITING P
- INFSCI (New) - Information Literacy R
- MUSIC 1270 - MUSIC, CULTURE & TECHNOLOGY R
- SOC 1270 - MUSIC, CULTURE AND TECHNOLOGY R

Total Credits: 18

Latin American Studies Certificate

The Certificate in Latin American Studies (LAS) is designed to promote knowledge and understanding of Latin America and the Caribbean through multidisciplinary study and field experience. It provides students with a broad background in the region's long and complex history; its intersecting political, economic, and social structures; and its diverse cultures. Students who wish to pursue the LAS certificate must apply by informing an academic advisor and completing the appropriate paperwork.

Latin American: 5 courses (15 credits)

Students take five courses from at least three departments. Only one of the courses may be from the student's major department. Students may transfer credits for no more than two of the area courses from another college or university. The Pitt-Greensburg courses listed below may be used as Latin American area courses. Other courses in which 25 percent of the content is devoted to Latin America and in which a student's papers/projects/presentations are based on Latin America may, with the approval of the certificate advisor, be counted as one of the required area courses.

Anthropology

- ANTH 1787 - SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY

History

- HIST 0500 - COLONIAL LATIN AMERICA
- HIST 0501 - MODERN LATIN AMERICA
- HIST 1522 - BRAZIL
- HIST 1525 - MEXICO, AZTECS TO THE PRESENT
- HIST 1583 - 20THC LATIN AMERICAN REVOLUTIONS

Political Science

- PS 1321 - LATIN AMERICAN POLITICS

Spanish

- SPAN 0050 - SPANISH CIVILIZATION
- SPAN 0055 - INTRODUCTION HISPANIC LITERATURE 1
- SPAN 1403 - LATIN AMERICAN NARRATIVE
- SPAN 1404 - LATIN AMERICAN TOPICS
- SPAN 1407 - U.S. LATINO FILM
- SPAN 1450 - HISPANIC LEGENDS

Study Abroad

Students must enroll for a six-week program of study in an accredited study abroad program in a Latin American country. Pitt-Greensburg students are also eligible for the yearly seminar/field trip to a Latin American country sponsored by the Center for Latin American Studies. Selection for the program is competitive and requires an application due in early October and an interview.

Language Proficiency

Students must demonstrate proficiency in either Spanish or Portuguese. Completion of six semesters of college-level courses including SPAN 0001, 0002, 0003, and 0004 plus two additional Spanish language classes will satisfy the language proficiency requirement. Native speakers of either language can request that the language proficiency requirement be waived.

Total Credits: 15

Creative and Professional Writing Minor

Students interested in Creative and Professional Writing with an emphasis in journalism, fiction, poetry, or creative nonfiction may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Creative and Professional Writing requires that students complete five three-credit courses for a total of 15 credits.

Requirements:

Complete these two basic courses:

- ENGWR 0410 - INTRODUCTION TO CREATIVE WRITING
- ENGWR 0411 - INTRODUCTION TO CREATIVE NONFICTION
- ENGWR 0550 - FUNDAMENTALS OF NEWS REPORTING

Complete three additional upper-level courses

Students may choose from the following:

- ENGWR 1010 - INTERMEDIATE FICTION
- ENGWR 1012 - DIGITAL STORYTELLING 1
- ENGWR 1095 - TOPICS IN FICTION
- ENGWR 1175 - FICTION SEMINAR: FAMILIES AND SMALL TOWNS

- ENGWR 1210 - POETRY WORKSHOP
- ENGWR 1250 - FORMAL POETRY WRITING
- ENGWR 1310 - NEWSPAPER 1
- ENGWR 1331 - MAGAZINE 1
- ENGWR 1380 - NEWS PRACTICUM: THE INSIDER
- ENGWR 1390 - READINGS IN CONTEMPORARY NON-FICTION
- ENGWR 1410 - TOPICS IN NON-FICTION: MEMOIR
- ENGWR 1650 - PLAYWRITING 1

Total Credits: 15

English Literature Minor

Students interested in English Literature may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in English Literature requires that students complete five courses for a total of 15 credits in addition to any ENGLIT courses chosen to fulfill the requirements under General Education.

Requirements: 5 courses (15 credits)

Choose three of the following courses:

- ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT
- ENGLIT 1100 - MEDIEVAL IMAGINATION
- ENGLIT 1125 - MASTERPIECES OF RENAISSANCE LITERATURE
- ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE
- ENGLIT 1215 - PRE-20THC AMERICAN LITERATURE
- ENGLIT 1325 - MODERNISM

Electives: 6 credits

Complete two additional ENGLIT courses.

Total Credits: 15

Gender Studies Minor

Students interested in Gender Studies may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Gender Studies requires that students complete five courses for a total of 15 credits. Courses used for the Gender Studies minor may not be used to satisfy requirements in the major or for General Education.

Note:

Current Pitt-Greensburg courses in which gender is a major focus include the following:

Requirements: 5 courses (15 credits)

Complete five courses designated as Gender Studies courses.

Current Pitt-Greensburg courses in which gender is a major focus include the following:

- ANTH 1738 - GENDER PERSPECTIVES IN ANTHROPOLOGY
- CJ 1248 - WOMEN AND CRIME
- ENGLIT 0360 - WOMEN AND LITERATURE
- ENGLIT 1241 - JANE AUSTEN: BOOKS & FILM
- ENGLIT 1248 - LITERATURE OF MINORITY WOMEN
- ENGLIT 1701 - TOPICS IN WOMEN'S STUDIES
- HIST 1560 - WOMEN IN LATIN AMERICAN HISTORY
- HIST 1661 - GENDER AND SEXUALITY IN THE US SINCE 1865
- HAA 0402 - WOMEN ARTISTS, 1550-1800
- PHIL 1340 - FEMINIST PHILOSOPHY
- PSY 1110 - PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY
- THEA 0725 - WOMEN IN THEATRE

Note:

Other courses may be added to the list of designated courses. Check the current schedule of classes for updates.

Students may not select two courses from a single department and must include two departments outside their majors. Students working on a Gender Studies minor will be encouraged to address gender issues in their capston projects.

Each course for the Gender Studies minor must be completed with a grade of C- or better.

- ANTH 1738 - GENDER PERSPECTIVES IN ANTHROPOLOGY
- CJ 1248 - WOMEN AND CRIME
- ENGLIT 0360 - WOMEN AND LITERATURE
- ENGLIT 1241 - JANE AUSTEN: BOOKS & FILM
- ENGLIT 1248 - LITERATURE OF MINORITY WOMEN
- ENGLIT 1701 - TOPICS IN WOMEN'S STUDIES
- HAA 0402 - WOMEN ARTISTS, 1550-1800
- HIST 1661 - GENDER AND SEXUALITY IN THE US SINCE 1865
- PHIL 1340 - FEMINIST PHILOSOPHY
- PSY 1110 - PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY

Total Credits: 15

Other courses may be added to the list of designated courses. Check the current schedule of classes for updates.

Students may not select more than two courses from a single department and must include courses from two departments outside their majors. Students working on a Gender Studies minor will be encouraged to address gender issues in their capstone projects.

History of Art and Architecture Minor

Students interested in History of Art and Architecture may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in History of Art and Architecture requires that students complete five courses for a total of 15 credits in addition to any HA&A courses chosen to fulfill requirements under General Education.

Requirements: 5 courses (15 credits)

- HAA 0010 - INTRODUCTION TO WORLD ART
- HAA 0030 - INTRODUCTION TO MODERN ART

After completing both HA&A 0010 and HA&A 0030, take:

- HAA 1015 - METHODS OF ART HISTORY

Total Credits: 15

Music Minor

Students interested in Music may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Music requires that students complete five courses for a total of 15 credits in addition to any MUSIC courses chosen to fulfill the requirements under General Education.

Requirements: 5 courses (15 credits)

- MUSIC 0211 - INTRODUCTION TO WESTERN ART MUSIC
- MUSIC 0411 - THEORY 1 OR
- MUSIC 0110 - MUSIC FUNDAMENTALS

Music Performance (3 credits)

Earn three credits in music performance by completing either

- MUSIC 0121 - BASIC MUSICIANSHIP: CLASS PIANO (one semester)
- MUSIC 0511 - VOICE
(three semesters)
- MUSIC 0512 - PIANO (three semesters)
- MUSIC 0610 - UPG COLLEGIATE CHORALE (variable semesters)

Two additional MUSIC courses (6 credits)

Complete two additional MUSIC courses, one of which must have a prerequisite.

Total Credits: 15

Philosophy Minor

Students interested in Philosophy may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Philosophy requires that students complete a total of 18 credits, three of which may be used to fulfill the Philosophical Tradition (PT) requirement for General Education.

Requirements: 6 courses (18 credits)

Complete six three-credit philosophy courses. The selection of courses must include one course from each of the three categories shown below. In addition, two of the six courses chosen for the minor must be upper-level courses. Upper-level PHIL courses are those with numbers above 1000 except for PHIL 1380- Business Ethics.

History of Philosophy

- PHIL 0200 - HISTORY OF ANCIENT PHILOSOPHY
- PHIL 0210 - HISTORY OF MODERN PHILOSOPHY
- PHIL 0220 - INTRODUCTION TO EXISTENTIALISM
- PHIL 1245 - AMERICAN PHILOSOPHY

Metaphysics, Epistemology, and Philosophy of Science

- PHIL 0470 - PHILOSOPHY OF RELIGION
- PHIL 1340 - FEMINIST PHILOSOPHY
- PHIL 1460 - THEORY OF KNOWLEDGE
- PHIL 1640 - PHILOSOPHY OF PSYCHOLOGY

Value Theory

- PHIL 0300 - INTRODUCTION TO ETHICS
- PHIL 0320 - SOCIAL PHILOSOPHY
- PHIL 0365 - MORAL PHILOSOPHY AND THE LAW
- PHIL 1380 - BUSINESS ETHICS

Total Credits: 18

Spanish Minor

Students interested in Spanish may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Spanish requires that students complete six courses for a total of 18 credits in addition to any Spanish courses chosen to satisfy the second language requirement. One course used for the Spanish minor may also be used to satisfy a Foreign Culture (FC) or Humanities (HM) requirement under General Education.

Requirements: 6 courses (18 credits)

Demonstrate competency at the level of intermediate Spanish through examination or by completing the following courses:

- SPAN 0003 - INTERMEDIATE SPANISH 3
- SPAN 0004 - INTERMEDIATE SPANISH 4

Choose one additional course in Spanish language:

- SPAN 0020 - CONVERSATION
- SPAN 0025 - GRAMMAR AND COMPOSITION

Choose two additional courses

Choose three additional courses in Spanish language, literature or culture, one of which must be an advanced course, numbered in the 1300s or 1400s.

Total Credits: 18

SPAN 0001 and 0002 may not be used for the Spanish minor.

Theatre Arts Minor

Students interested in Theatre may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Theatre requires that students complete five courses for a total of 15 credits in addition to any THEA courses chosen to fulfill the requirements under General Education.

Requirements:

Complete two required classes

- THEA 0100 - THEATRE PRACTICUM: BASIC STAGECRAFT
 - THEA 0104 - BASIC ACTING
- Complete one of the following courses:
- THEA 0805 - INTRODUCTION TO THEATRE ARTS - PART 1
 - THEA 0806 - INTRODUCTION TO THEATRE ARTS - PART 2

Complete two additional THEA courses

Complete two additional THEA courses, one of which must have a prerequisite

Total Credits: 15

College of General Studies (Pittsburgh Campus)

The following rules govern relocation to the College of General Studies (Pittsburgh Campus).

1. For students who are initially enrolled on the Pitt-Greensburg campus, relocation is guaranteed if they meet the following requirements:
 - Completion of a minimum of 60 credits at Pitt-Greensburg, with a minimum GPA of 3.0
2. For students who have transferred from another institution of higher learning with at least 30 transfer credits to Pitt-Greensburg, relocation is guaranteed if they meet the following requirements:
 - Completion of 30 credits at Pitt-Greensburg and a total of 60 credits overall, with a minimum GPA of 3.0 in all courses (Pitt-Greensburg and other institutions of higher learning)
3. Students who have transferred from another institution of higher learning and have earned between 15 and 30 credits at Pitt-Greensburg may be considered for relocation (not guaranteed) if they meet the following requirements:
 - Completion of 60 credits overall with a minimum GPA of 3.0 in all courses (Pitt-Greensburg and other institutions of higher learning)

Note: Students in each of the three categories listed above must also (1) declare a major at the time of the requested relocation, (2) complete College Algebra or higher and English Composition 2, and (3) include the appropriate Dietrich School of Arts and Sciences General Education Requirements and the appropriate pre-requisites for that major among the credits transferring.

Dietrich School of Arts and Sciences (Pittsburgh Campus)

The following rules govern relocation to the Dietrich School of Arts and Sciences (Pittsburgh Campus).

1. For students who are initially enrolled on the Pitt-Greensburg campus, relocation is guaranteed if they meet the following requirements:
 - Completion of a minimum of 60 credits at Pitt-Greensburg, with a minimum GPA of 3.0
2. For students who have transferred from another institution of higher learning with at least 30 transfer credits to Pitt-Greensburg, relocation is guaranteed if they meet the following requirements:
 - Completion of 30 credits at Pitt-Greensburg and a total of 60 credits overall, with a minimum GPA of 3.0 in all courses (Pitt-Greensburg and other institutions of higher learning)
3. Students who have transferred from another institution of higher learning and have earned between 15 and 30 credits at Pitt-Greensburg may be considered for relocation (not guaranteed) if they meet the following requirements:
 - Completion of 60 credits overall with a minimum GPA of 3.0 in all courses (Pitt-Greensburg and other institutions of higher learning)

Note: Students in each of the three categories listed above must also (1) declare a major at the time of the requested relocation, (2) complete College Algebra or higher and English Composition 2, and (3) include the appropriate Dietrich School of Arts and Sciences General Education Requirements and the appropriate pre-requisites for that major among the credits transferring.

Natural Sciences

Biochemistry

Biology Core 7 courses (16 credits)

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0080 - BIOLOGY LABORATORY 2
- BIOSC 1810 - MACROMOLECULAR STRUCTURE AND FUNCTION
- BIOSC 1820 - METABOLIC PATHWAYS AND REGULATION
- BIOSC 1825 - BIOCHEMISTRY LABORATORY

Upper Level Biology Course 1 course (3 to 5 credits)

Choose one upper level course and lab (if applicable) from the courses listed below

- BIOSC 0350 - GENETICS
- BIOSC 1480 - EMBRYOLOGY &
- BIOSC 1490 - EMBRYOLOGY LABORATORY
- BIOSC 1500 - CELL BIOLOGY &
- BIOSC 1510 - CELL BIOLOGY LABORATORY
- BIOSC 1850 - MICROBIOLOGY &
- BIOSC 1860 - MICROBIOLOGY LABORATORY
- BIOSC 1940 - MOLECULAR BIOLOGY &
- BIOSC 1950 - MOLECULAR GENETICS LABORATORY

Chemestry Core 8 courses (20 credits)

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1 &
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2 &
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2
- CHEM 0250 - INTRODUCTION TO ANALYTICAL CHEMISTRY &
- CHEM 0260 - INTRODUCTION TO ANALYTICAL CHEMISTRY LAB
OR
- CHEM 1250 - INSTRUMENTAL ANALYSIS &
- CHEM 1255 - INSTRUMENTAL ANALYSIS LAB

Upper Level Chemistry Course 1 course (3 to 4 credits)

Choose one upper level course and lab (if applicable) from the course listed below

- CHEM 1035 - INTRODUCTION TO ENVIRONMENTAL CHEMISTRY
- CHEM 1275 - INTRODUCTION TO CHEMOMETRICS
- CHEM 1311 - ADVANCED ORGANIC CHEMISTRY
- CHEM 1380 - TECHNIQUES OF ORGANIC RESEARCH
- CHEM 1410 - PHYSICAL CHEMISTRY I

Other Required Science Courses 5 courses (18 credits)

- PHYS 0174 - BASIC PHYS SCI & ENGR 1 (INTGD)
- PHYS 0175 - BASIC PHYS SCI & ENGR 2 (INTGD) &
- PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS
- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2

Additional Requirement 2 courses (4 to 6 credits)

Biology majors must take the following sequence of courses to fulfill the capstone requirement:

- BIOSC 1960 - SCIENTIFIC WRITING
- BIOSC 1962 - BIOLOGY UNDERGRADUATE RESEARCH OR
- BIOSC 1963 - BIOLOGY RESEARCH - INDEPENDENT STUDY
OR
- CHEM 1702 - UNDERGRADUATE RESEARCH WRITING
- CHEM 1710 - UNDERGRADUATE RESEARCH

Biological Sciences, BS

A Biological Sciences degree prepares students for graduate work in biology as well as for medical, dental or veterinary school.

Core Courses 5 courses (11 credits)

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1 and
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2 and
- BIOSC 0080 - BIOLOGY LABORATORY 2
- BIOSC 0350 - GENETICS

Upper Level Courses (16 credits)

*All students must take either the single-semester Biochemistry or the multi-course Biochemistry sequence and then select additional lecture and lab electives. Students must take a minimum of two lecture/lab combinations. Courses marked with asterisks are recommended for students who are seeking the strongest preparation for graduate and medical, dental, and veterinary school.

- BIOSC 1000 - BIOCHEMISTRY

or

- BIOSC 1810 - MACROMOLECULAR STRUCTURE AND FUNCTION *
- BIOSC 1820 - METABOLIC PATHWAYS AND REGULATION *
- BIOSC 1825 - BIOCHEMISTRY LABORATORY

Additional Upper Level Courses

- BIOSC 1017 - EPIDEMIOLOGY
- BIOSC 1110 - HUMAN ANATOMY AND PHYSIOLOGY 1 and
- BIOSC 1111 - HUMAN ANATOMY AND PHYSIOLOGY LAB 1
- BIOSC 1115 - HUMAN ANATOMY AND PHYSIOLOGY 2 and
- BIOSC 1116 - ANATOMY AND PHYSIOLOGY LAB 2
- BIOSC 1371 - ENVIRONMENTAL HEALTH
- BIOSC 1500 - CELL BIOLOGY and
- BIOSC 1510 - CELL BIOLOGY LABORATORY
- BIOSC 1520 - DEVELOPMENTAL BIOLOGY
- BIOSC 1760 - IMMUNOLOGY
- BIOSC 1850 - MICROBIOLOGY and
- BIOSC 1860 - MICROBIOLOGY LABORATORY
- BIOSC 1940 - MOLECULAR BIOLOGY and
- BIOSC 1885 - INTRODUCTION TO MEDICINAL CHEMISTRY
- BIOSC 1950 - MOLECULAR GENETICS LABORATORY

Other Required Courses 9 courses (24 credits)

- CHEM 0310 - ORGANIC CHEMISTRY 1 and
 - CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
 - CHEM 0320 - ORGANIC CHEMISTRY 2 and
 - CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2
 - PHYS 0110 - INTRODUCTION TO PHYSICS 1
 - PHYS 0111 - INTRODUCTION TO PHYSICS 2 and
 - PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS
 - MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
 - MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- ** With the consent of the Faculty Advisor, students may substitute STAT 1000 - Applied Statistical Methods or a computer programming course (CS 0004 or 0402) for Math 0230.

Note:

****With the consent of the Faculty Advisor, students may substitute STAT 1000 - APPLIED STATISTICAL METHODS or a computer programming course (CS 0004 - INTRODUCTION TO COMPUTER PROGRAMMING-BASIC or CS 0402 - PROGRAMMING USING C++) for MATH 0230. Graduate programs have specific quantitative requirements that should be considered when making a substitution.**

Additional Requirement - 2 courses (6 credits)

Biology majors must take the following sequence of courses to fulfill the capstone requirement:

- BIOSC 1960 - SCIENTIFIC WRITING
- BIOSC 1962 - BIOLOGY UNDERGRADUATE RESEARCH OR
- BIOSC 1963 - BIOLOGY RESEARCH - INDEPENDENT STUDY (requires 3.0 or higher GPA)

Total Credits: 57

Chemistry, BS

Chemistry is an immensely versatile degree for students who wish to pursue careers in industry, business, communications, government, agricultural and food science, materials science, clinical science and environmental science. The degree also can lead to opportunities for graduate study in the health-related professions, particularly in the medical and dental fields, and opportunities for graduate study in chemistry, chemical engineering, biology and other sciences.

Basic Courses 14 courses (34 credits)

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0250 - INTRODUCTION TO ANALYTICAL CHEMISTRY
- CHEM 0260 - INTRODUCTION TO ANALYTICAL CHEMISTRY LAB
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2
- CHEM 1130 - INORGANIC CHEMISTRY
- CHEM 1250 - INSTRUMENTAL ANALYSIS
- CHEM 1255 - INSTRUMENTAL ANALYSIS LAB
- CHEM 1410 - PHYSICAL CHEMISTRY 1
- CHEM 1430 - PHYSICAL CHEMISTRY LABORATORY 1
- CHEM 1420 - PHYSICAL CHEMISTRY 2

Basic Math Courses 3 courses (12 credits)

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- MATH 0240 - ANALYTIC GEOMETRY AND CALCULUS 3

Basic Physic Courses 3 courses (10 credits)

- PHYS 0174 - BASIC PHYS SCI & ENGR 1 (INTGD)
- PHYS 0175 - BASIC PHYS SCI & ENGR 2 (INTGD)
- PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS

Science Elective Courses 1 course (2-4 credits)

- BIOSC 1000 - BIOCHEMISTRY
- BIOSC 1810 - MACROMOLECULAR STRUCTURE AND FUNCTION
- BIOSC 1820 - METABOLIC PATHWAYS AND REGULATION
- BIOSC 1830 - BIOCHEMISTRY LABORATORY
- CHEM 1311 - ADVANCED ORGANIC CHEMISTRY
- CHEM 1035 - INTRODUCTION TO ENVIRONMENTAL CHEMISTRY
- CHEM 1380 - TECHNIQUES OF ORGANIC RESEARCH
- CHEM 1902 - DIRECTED STUDY
- MATH 0250 - MATRIX THEORY & DIFFT EQUATIONS
- MATH 1180 - LINEAR ALGEBRA 1
- STAT 1000 - APPLIED STATISTICAL METHODS

Additional Requirements 2 course (3 credits)

Chemistry majors must take the following sequence of courses to fulfill the capstone course requirement:

- CHEM 1702 - UNDERGRADUATE RESEARCH WRITING (*Spring of Junior Year*)
- CHEM 1710 - UNDERGRADUATE RESEARCH (*Fall of Senior Year*)

Total Credits: 61-63

Healthcare Management, BS

Healthcare Management Core Courses

- HCM 0100 - INTRODUCTION TO HEALTHCARE MANAGEMENT
- HCM 1100 - MANAGEMENT, DESIGN, AND OPTIMIZATION OF HEALTHCARE PROCESSES

Total: 18 Credits

Management Core Courses

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 0023 - MANAGERIAL ACCOUNTING
- INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY
- MGMT 1818 - MANAGEMENT SCIENCE
- MGMT 1832 - HUMAN RESOURCES MANAGEMENT

Total: 15 Credits

Management Area Courses

Select two from the following list:

- MGMT 1819 - INTRODUCTION TO MARKETING
- MGMT 1821 - INTRODUCTION TO FINANCE
- MGMT 1843 - LAW OF BUSINESS ORGANIZATIONS
- MGMT 1869 - MARKETING RESEARCH

Total: 6 Credits

Healthcare Management Elective Courses

Select 3 from the following list:

- BIOSC 1017 - EPIDEMIOLOGY
- NATSC 1235 - MEDICAL TERMINOLOGY
- SOCSCI 0105 - INTRODUCTION TO PUBLIC POLICY
- SOC 0477 - MEDICAL SOCIOLOGY
- SOC 0145 - DRUGS AND SOCIETY
- COMMRC 1102 - ORGANIZATIONAL COMMUNICATION
- COMMRC 1146 - INTERCULTURAL COMMUNICATION
- PSY 1215 - HEALTH PSYCHOLOGY
- PSY 1370 - FAMILY PSYCHOLOGY
- PSY 1720 - PSYCHOLOGICAL STUDY OF TRAUMA
- MGMT 1136 - ADVERTISING AND SOCIAL MEDIA STRATEGY
- MGMT 1820 - OPERATIONS MANAGEMENT
- MGMT 1821 - INTRODUCTION TO FINANCE
- MGMT 1857 - PROJECT MANAGEMENT
- MGMT 1861 - MANAGEMENT POLICY & ADMINSTRTN
- MGMT 1855 - SUPPLY CHAIN MANAGMENT
- MGMT 1869 - MARKETING RESEARCH
- MGMT 1851 - LABOR-MANAGEMENT RELATIONS
- ECON 0134 - PUBLIC ECONOMICS

Total: 9 Credits

Information Technology, BS

Information Technology is concerned with the problem of managing, using, and communicating information to support decision making, and with the task of finding the proper combination of people, procedures, and technology for the design of effective information systems.

Core Courses, 6 courses (18 credits)

- INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY
- CS 0421 - PROGRAMMING USING JAVA
- CS 0422 - ADVANCED PROGRAMMING USING JAVA
- INFSCI 1022 - DATABASE MANAGEMENT SYSTEMS
- INFSCI 1044 - HUMAN FACTORS IN SYSTEM DESIGN
- INFSCI 1070 - INTRODUCTION TO TELECOMMUNICATIONS AND NETWORKS

Electives, 5 courses (15 credits)

Any INFSCI courses not used to fulfill another requirement may be taken as an elective. Possible electives include:

- INFSCI 1037 - INFORMATION TECHNOLOGY PROJECT MANAGEMENT
- INFSCI 1052 - USER CENTERED DESIGN
- INFSCI 1053 - DIGITAL FORENSICS
- INFSCI 1058 - WEB PROGRAMMING
- INFSCI 1068 - GEOSPATIAL INFORMATION SYSTEMS (GIS)
- INFSCI 1072 - INTRODUCTION TO WIRELESS NETWORKS
- INFSCI 1073 - APPLICATION DEVELOPMENT FOR MOBILE DEVICES
- INFSCI 1074 - COMPUTER SECURITY

Related Area, 4 courses (12 credits)

Take four courses from a single department such as Management, Psychology, Communication, or Mathematics. Other departments in the Natural Sciences, Behavioral Sciences, and Humanities may also be used as a related area.

Students may also choose a Minor rather than a related area which is often a total of 15 credits depending upon the chosen Minor.

Capstone Experience, 1 course (3 credits)

- INFSCI 1080 - INDEPENDENT STUDY OR
- INFSCI 1085 - INTERNSHIP

NOTE:

Information Technology students must complete all core, elective, related area, and capstone courses in the major with a grade of C- or better

Total Credits: 48 credits

48 credits: 36 cr. in INFSCI and 12 cr. in related area

Note:

Information Technology students must earn a grade of C- or better in each of the prescribed courses for the major and the related area.

Mathematics, Applied, BS

This course of studies enables students to learn the mathematics that is currently useful in business and industry. An industrial mathematician uses and adopts the mathematics necessary to attack problems of practical concern. Because students of Applied Mathematics become familiar with the problems of science and engineering, and because they are encouraged to elect some courses in computer science and engineering as part of their program of studies, they will be attractive to firms offering employment oriented toward those fields.

Core Courses 9 courses (31 credits)

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- MATH 0240 - ANALYTIC GEOMETRY AND CALCULUS 3
- MATH 0413 - INTRO THEORETICAL MATHEMATICS
- MATH 0420 - INTRO THEORY 1-VARIABLE CALCULUS
- MATH 1070 - NUMERICAL MATHEMATICAL ANALYSIS
- MATH 1270 - ORDINARY DIFFERENTIAL EQUATIONS 1
- MATH 1080 - NUMERICAL MATH: LINEAR ALGEBRA OR
- MATH 1100 - LINEAR PROGRAMMING OR
- MATH 1110 - INDUSTRIAL MATHEMATICS OR
- MATH 1360 - MODELING IN APPLIED MATH 1

Elective Courses 2 courses (6 credits)

Choose two courses:

- MATH 1080 - NUMERICAL MATH: LINEAR ALGEBRA
- MATH 1100 - LINEAR PROGRAMMING
- MATH 1110 - INDUSTRIAL MATHEMATICS
- MATH 1360 - MODELING IN APPLIED MATH 1
- MATH 1530 - ADVANCED CALCULUS 1
- MATH 1540 - ADVANCED CALCULUS 2
- MATH 1550 - VECTOR ANALYSIS AND APPLICATIONS
- MATH 1560 - COMPLEX VARIABLES & APPLICATIONS

Related Area 4 courses (12 credits)

Take 12 credits in Actuarial Science, Computer Science, Education or Statistics. A student may choose to do a minor in the above fields to substitute the related area. See an Advisor for course requirements and further details.

Additional Requirements 2 courses (3 credits)

Applied Mathematics majors take the following sequence of courses to fulfill the capstone course requirement:

- MATH 1951 - SENIOR RESEARCH 1
- MATH 1952 - SENIOR RESEARCH 2

Total Credits: 52

Required Science Courses 4 courses (15 credits)

Applied Mathematic majors must take the following courses as part of their General Education requirements.

- PHYS 0174 - BASC PHYS SCI & ENGR 1 (INTGD)
- PHYS 0175 - BASC PHYS SCI & ENGR 2 (INTGD)
- STAT 1000 - APPLIED STATISTICAL METHODS OR
- STAT 1151 - INTRODUCTION TO PROBABILITY
- CS 0421 - PROGRAMMING USING JAVA OR
- MATH 1001 - MATHEMATICAL COMPUTING

Natural Sciences Area, BS

The Natural Sciences area option allows students to meet their individual education needs by developing a major based on courses from several departments within the Natural Sciences Division. The selection of courses should reflect a theme or program that is developed in consultation with an Academic Advisor.

Core Requirements 12 courses (36 credits)

To satisfy the requirements for a Natural Sciences area major, students select one department in which they take five to six courses (15-18 credits) and two other departments in which they take three to four courses (8-12 credits) each for a minimum total of 36 credits. An example program of studies for a student who chose Chemistry as the major department and Biological Sciences and Mathematics as the minor departments is shown below.

Chemistry

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2

Biological Sciences

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0080 - BIOLOGY LABORATORY 2

Mathematics

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- MATH 0400 - FINITE MATHEMATICS

Additional Requirements 1 course (3 credits)

After earning 90 credits, all Natural Sciences area majors must take the research course offered in the major area of concentration to fulfill the capstone course requirement.

Total Credits: 39

Psychology, BS

Psychology is the scientific study of human behavior and deals with learning and motivation, perception, development and adjustment of human personality, social relations, and methods of research used in analyzing human behavior. Practicum and research experiences are available to qualified students

Introductory Course 1 course (3 credits)

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

Core Courses 3 courses (11 credits)

Take three of the following courses:

- PSY 0105 - INTRODUCTION TO SOCIAL PSYCHOLOGY
- PSY 0160 - PSYCHOLOGY OF PERSONALITY
- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY OR
- PSY 0311 - LIFESPAN DEVELOPMENT
- PSY 0410 - HUMAN COGNITION
- PSY 1205 - ABNORMAL PSYCHOLOGY

Research Courses 2 courses (8 credits)

- PSY 0032 - RESEARCH METHODS 1
- PSY 0330 - EXPERIMENTAL CHILD OR
- PSY 0402 - EXPERIMENTAL LEARNING

Electives 5 courses (15 credits)

Students choose five additional psychology courses. A maximum of six credits in 1900-level courses may be used for the electives requirement. Some courses, such as PSY 1910 - SUPERVISED FIELD PLACEMENT, PSY 1912 - DIRECTED INDIVIDUAL READING, PSY 1913 - DIRECTED INDIVIDUAL RESEARCH, and PSY 1972 - TEACHING OF PSYCHOLOGY, require special permission from the instructor.

Additional Requirements 1 course (3 credits)

After earning 90 credits, all Psychology majors must take PSY 1925 - SENIOR THESIS during to fulfill the capstone class requirement.

Liberal Arts Courses

Psychology majors should take the following courses as part of their general education requirements.

- STAT 0200 - BASIC APPLIED STATISTICS

Total Credits: 38

Actuarial Sciences Minor

Students interested in Actuarial Sciences may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Actuarial Sciences requires that students complete eleven courses for a total of 36 credits. However, a number of the requirements will overlap with those for the majors reducing the number of new credits for the minor. See the table below for details on how courses will be allocated to general education, major and minor for math, management and other majors.

Requirements 9 courses (30 credits)

Complete two courses in Economics to fulfill the social science (SS) requirement in General Education:

- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

Complete the following Math and Statistics courses:

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- STAT 1000 - APPLIED STATISTICAL METHODS
- STAT 1151 - INTRODUCTION TO PROBABILITY
- STAT 1221 - APPLIED REGRESSION

Complete two courses in Management:

- MGMT 0022 - FINANCIAL ACCOUNTING
- MGMT 1821 - INTRODUCTION TO FINANCE

Note:

MAJOR

Course		Math	Management/ACCT/MIS	Other
ECON 0100	Intro to Microeconomic Theory	General Ed	General Ed	General Ed
ECON 0110	Intro to Macroeconomic Theory	General Ed	General Ed	General Ed
MATH 0220	Analytic Geometry and Calculus 1	Major	Major	General Ed
MATH 0230	Analytic Geometry and Calculus 2	Major	Minor	General Ed
STAT 1000	Applied Statistical Methods	Major	Major**	Minor
STAT 1151	Introduction to Probability	Minor	Minor	Minor
STAT 1221	Applied Regression	Minor	Minor	Minor
MGMT 0022	Financial Accounting	Minor	Major	Minor
MGMT 1821	Introduction to Finance	Minor	Major	Minor
		18 Minor Credits	16 Minor Credits	22 Minor Credits

*Substitute MATH 0120 for MATH 0220 in Management, Management-Accounting, and Management Information Systems Majors.

**Substitute STAT 1100 (4 credits) for STAT 1000 (4 credits) in Management, Management-Accounting, and Management Information Systems Majors.

Total Credits: 30

Chemistry Minor

Students interested in Chemistry may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. Biology majors, who are already required to complete the general and organic chemistry sequences, would only need an additional six to eight credits to earn Chemistry minor. The minor in Chemistry requires that students complete eight courses and labs for a total of 22-24 credits. Eight of these credits may also be used to satisfy General Education requirements. The remaining 14-16 credits are in addition to any course used for General Education.

Requirements: 6 courses (16 credits)

- CHEM 0100 - PREPARATION GENERAL CHEMISTRY
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2

Additional Requirements (6-8 credits in Chemistry or Biochemistry)

- CHEM 0250 - INTRODUCTION TO ANALYTICAL CHEMISTRY
- CHEM 0260 - INTRODUCTION TO ANALYTICAL CHEMISTRY LAB
- CHEM 1035 - INTRODUCTION TO ENVIRONMENTAL CHEMISTRY

- CHEM 1130 - INORGANIC CHEMISTRY
- CHEM 1250 - INSTRUMENTAL ANALYSIS
- CHEM 1255 - INSTRUMENTAL ANALYSIS LAB
- CHEM 1275 - INTRODUCTION TO CHEMOMETRICS
- CHEM 1311 - ADVANCED ORGANIC CHEMISTRY
- CHEM 1380 - TECHNIQUES OF ORGANIC RESEARCH
- CHEM 1410 - PHYSICAL CHEMISTRY 1
- CHEM 1420 - PHYSICAL CHEMISTRY 2
- CHEM 1430 - PHYSICAL CHEMISTRY LABORATORY 1
- BIOSC 1000 - BIOCHEMISTRY * or
- BIOSC 1810 - MACROMOLECULAR STRUCTURE AND FUNCTION *
- BIOSC 1820 - METABOLIC PATHWAYS AND REGULATION *
- BIOSC 1830 - BIOCHEMISTRY LABORATORY *

Note:

*Biology students cannot use Biology classes as part of their 6-8 credits. The minor in Chemistry requires that students complete eight courses and labs for a total of 22-24 credits. Eight of these credits may also be used to satisfy General Education requirements. The remaining 14-16 credits are in addition to any course used for General Education.

Total Credits: 22-24

Computer Science Minor

Students interested in Computer Science may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Computer Science requires that students complete six courses for a total of 18 credits. Three of the credits may also be used to satisfy Natural Science (NS2) requirements for General Education.

Requirements: 6 courses (16 credits)

- CS 0421 - PROGRAMMING USING JAVA
- CS 0422 - ADVANCED PROGRAMMING USING JAVA

Total Credits: 18

Complete four additional CS or INFSCI courses excluding basic-level course such as INFSCI 0010, CS 0004, CS 0085 and CS 0134.

Psychology Minor

Students interested in Psychology may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Psychology requires that students complete five three-credit courses for a total of 15 credits in addition to any Psychology courses chosen to fulfill the requirements under General Education.

Requirements: 5 courses (15 credits)

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- Complete four additional three-credit PSY courses.

Total Credits: 15

Minors seeking a research methods course may substitute SOCSCI 0200- Research Methods in Social Science for one of their additional PSY courses.

Statistics Minor

Students interested in Statistics may choose to pursue a minor either to supplement the work in their majors or to fulfill the requirements for a related area within their majors. The minor in Statistics requires that students complete five courses for a total of 16 credits in statistics in addition to any STAT courses used to satisfy General Education requirements.

Requirements: 4 courses

- STAT 0200 - BASIC APPLIED STATISTICS OR
- STAT 1000 - APPLIED STATISTICAL METHODS OR
- STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT
- STAT 1221 - APPLIED REGRESSION
- STAT 1900 - INTERNSHIP

Statistics Minor Electives

Complete two of the following courses.

- STAT 1955 - UNDGR TCHNG UNDGR INTERNSHIP
- STAT 1151 - INTRODUCTION TO PROBABILITY
- STAT 1251 - STATISTICAL QUALITY CONTROL
- SOCSCI 0200 - RESEARCH METHODS IN THE SOCIAL SCIENCES: SMOKE AND MIRRORS-EVALUATING INFORMATION
- SOCSCI 1040 - PROGRAM EVALUATION
- CHEM 1275 - INTRODUCTION TO CHEMOMETRICS
BIOSC 1017 Epidemiology

Engineering (Pittsburgh Campus)

Engineering students complete the freshmen engineering curriculum at Greensburg and then relocate to either the Swanson School of Engineering (Pittsburgh campus) or the Engineering Technology Program (Johnstown campus). To be eligible for relocation to the Swanson School of Engineering, students must meet the following criteria: (1) the presentation of a satisfactory high school record with respect to selection of courses and test results. (2) Completion of 34 credits at Pitt-Greensburg with a minimum GPA 2.75 except for bioengineering students who must have a minimum GPA of 3.50. (3) Completion of all first-year engineering courses listed below with grades of C or better:

Required Courses

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- PHYS 0174 - BASC PHYS SCI & ENGR 1 (INTGD)
- PHYS 0175 - BASC PHYS SCI & ENGR 2 (INTGD)

- ENGR 0011 - INTRO TO ENGINEERING ANALYSIS
- ENGR 0012 - INTRO TO ENGINEERING COMPUTING
- ENGR 0081 - FRESHMAN ENGINEERING SEMINAR 1
- ENGR 0082 - FRESHMAN ENGINEERING SEMINAR 2
- ENGCOMP 0010 - COLLEGE COMPOSITION 1
- ENGCOMP 0020 - COLLEGE COMPOSITION 2

Transitional Nature of the First Year

In recognition of the transitional nature of the first year at the University, the Swanson School of Engineering permits a new freshman student to repeat required courses of the freshman year in which D or F grades were received. These courses must be repeated within one academic year following the original registration. Original credits and grade points from these courses will not be used in the calculation of the student's cumulative grade point average. This applies only to freshman courses taken during the first calendar year of attendance as a new freshman student. This does not apply to transfer students.

In order to complete the freshmen engineering curriculum in two semesters, students must be eligible to take Calculus in the first semester. Engineering students who do not place into Calculus should consider taking prerequisite math classes during the summer or plan to spend an extra semester or two at Pitt-Greensburg before relocating.

School of Health and Rehabilitation Science (Pittsburgh Campus)

Students interested in athletic training, clinical dietetics and nutrition, communication science and disorders, emergency medicine, health information management, and rehabilitation science should complete two years of study at Pitt-Greensburg before relocating to the Pittsburgh campus. The above programs are junior-senior programs that admit students after they have successfully completed 60 credits. As part of the relocation process, students must apply on a competitive basis for admission to the School of Health and Rehabilitation Sciences.

The required courses during the first two years differ for each of the School of Health and Rehabilitation Sciences majors, but typically include courses in biology, chemistry, statistics, and psychology as well as general education courses in composition, mathematics, and public speaking. See the lists below for details.

Students will be expected to maintain a minimum GPA of 2.50 and earn at least a C- in all required courses unless otherwise noted. Interested students should consult with their academic advisors during the first semester at Greensburg about course selection and relocation procedures. Information on School of Health and Rehabilitation Sciences majors may also be found at www.shrs.pitt.edu.

- Athletic Training
- Clinical Dietetics and Nutrition
- Communication Science
- Emergency Medicine
- Health Information Management
- Rehabilitation Science

Athletic Training

Prerequisites

Earning an undergraduate degree in Athletic Training is divided into two two-year phases: pre-professional and professional. In order to advance from the pre-professional to the professional phase, students must satisfy the following:

- 43 credits of required prerequisite course work (courses listed below)
- 17 additional credits of elective course work

- Grades of C- or better (C for transfer) in all prerequisite course work with the exception of ATHLTR 1811 and ATHLTR 1812, where a grade of B or better must be earned
- EMT certification through course for credit or other qualified course leading to EMT credential
- Minimum cumulative quality point average of 2.5 based on a 4.0 scale
- Clinical Observation hours under the direct supervision of an Athletic Trainer (not to be completed prior to enrollment in ATHLTR 1811 & 1812)
 - 45 clinical observation hours under the direct supervision of a certified athletic trainer at the University of Pittsburgh
 - 20 clinical observation hours outside the University of Pittsburgh and under the direct supervision of a certified athletic trainer at a high school
- Submit admissions application including technical standards for admission document
- Personal interview with athletic training faculty

Admission Requirements

Applications to the AT program will be reviewed after a student completes the Basic Athletic Training course and a minimum of 45 credits.

For more detailed and extensive information on this course of study, please visit the Athletic Training official website.

Required Courses

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0430 - GENERAL CHEMISTRY 1 LABORATORY
- PHYS 0110 - INTRODUCTION TO PHYSICS 1
- MATH 0031 - ALGEBRA
- STAT 0200 - BASIC APPLIED STATISTICS OR
- STAT 1000 - APPLIED STATISTICAL METHODS
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- ENGCOMP 0020 - COLLEGE COMPOSITION 2
- CS 0085 - PC SOFTWARE FOR BUSINESS
- COMMRC 0520 - PUBLIC SPEAKING
- EMT 1102 - Emergency Medical Technician and Lab
- REHSCI 1811 - Basic Athletic Training
- REHSCI 1812 - Basic Athletic Training Lab
- Humanities and/or Social Science elective 6 credits (Including Anthropology, Economics, English Literature/Writing, Foreign Languages, History, Music, Performing and Visual Arts, Philosophy, and Sociology)

Clinical Dietetics and Nutrition

Admission Requirements for the Undergraduate Nutrition and Dietetics Program/Didactic Program in Dietetics

SHRS is an upper division school meaning all of our undergraduate programs begin in the junior year. Students typically spend their Freshman and Sophomore years in the Dietrich School of Arts and Sciences completing their general education requirements and any prerequisite courses needed to apply to the program.

Altogether, sixty college credits are needed to apply to the program. A minimum grade point average of 2.5 (on a 4.0 scale) is required. A grade of C- or better must be achieved in all courses designated as a prerequisite for admission (C or better for courses not taken at the University of Pittsburgh).

Please note that admission to the program is competitive. Meeting the minimum admission criteria does not guarantee admission.

For more detailed and extensive information about this course of study, please visit the Nutrition and Dietetics page on the University of Pittsburgh Website.

Required Courses

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2
- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY OR
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY
- COMMRC 0520 - PUBLIC SPEAKING
- MATH 0031 - ALGEBRA
- STAT 1000 - APPLIED STATISTICAL METHODS
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- SOC 0010 - INTRODUCTION TO SOCIOLOGY
- Computer Science Elective (3 credits)
- CDN 1006 - Introduction to Human Nutrition
- ENGCMP 0010 - COLLEGE COMPOSITION 1
- ENGCMP 0020 - COLLEGE COMPOSITION 2 Two courses (6 credits), dependent on placement
- Introduction to Dietetics (1 credit) **

Communication Science

Recommended Courses

- English Composition 6 credits (3 credits if student is placed in ENCGMP 0020)
- "W" Writing Courses 4-6 credits
- Foreign Language minimum 6 credits (if not exempt) *
- MATH 0031 - AlGebra
- Statistics 4 credits
- British or American Literature 3-6 credits
- Music or Art 3-6 credits
- History 3 credits

- Social Science 3 credits
- Second Social Science or History 3 credits
- Philosophy or Science 3 credits
- Natural Science (including Psychology) 9 credits
- International Culture 6 credits
- Non-Western Culture 3 credits

Emergency Medicine

Admission Criteria:

- Minimum cumulative QPA of 2.5 (based on 4.0).
- Minimum prerequisite QPA of 2.5.
- A minimum grade of C- or better for EM prerequisite courses and a grade of D or better for additional coursework taken at Pitt. A minimum grade of C is required for transfer.

Junior Year Applicants

A minimum of 60 college credits are required, including the required prerequisite courses. There is space for 48 junior year students.

Application Requirements

Pitt Students (including regional campuses)

Complete the SHRS ApplyYourself application. Application Deadline: March 15.

All applicants must:

- Submit a 1 - 2 page personal essay discussing how you became interested in the field, any work or volunteer experience you have that will demonstrate your awareness of the field, and your long-term professional goals. Also include other areas of interest, extracurricular activities, and leadership experiences;
- Submit one letter of recommendation: college instructor or supervisor preferred;
- Submit transcripts from all colleges and universities attended;
- Have a personal interview with the emergency medicine faculty;
- Applications can be submitted while course requirements are in progress.

Please note that admission to the program is competitive. Meeting the minimum admission criteria does not guarantee admission.

Additional Information

This program requires students to complete clinical education at facilities external to the University, and such facilities will require a criminal background check, an Act 33/34/73 clearance, physical examination and a drug screen to determine whether the student applicant is qualified to participate in the clinical education. Students are required to maintain health insurance throughout the entire junior year and strongly recommended for senior year. Additionally, in order to become certified/licensed, many states will inquire as to whether the applicant has been convicted of a misdemeanor or a felony.

Senior Year Applicants

Senior transfer students are required to have current certification/licensure as a paramedic and have completed 51 college credits, including the required prerequisite courses. Students are required to earn 30 credits at the University of Pittsburgh School of Health and Rehabilitation Sciences. These 30 credits may not include prerequisite courses. All Senior Transfer students will be offered a 3-credit online EM course each semester to fulfill the 30-credit requirement (Beyond the Body will be offered in the fall semester, and Organizational Theory will be offered in the spring). Students may take other 3-credit courses within SHRS (which might not be online) each semester to fulfill the 30-credit requirement.

Apply to the University of Pittsburgh by completing the Office of Admission and Financial Aid's Transfer Application and selecting Emergency Medicine as your intended field of study. Applications deadline: March 15.

Applicants are encouraged to apply by the deadline as class size is limited. Applications received after the deadline will be reviewed based upon available space.

Senior year applicants are strongly encouraged to contact Bob Seitz prior to applying to the University.

Currently Serving Military Applicants

Currently Serving Military (ADM) applicants are required to have current certification/licensure as a paramedic, ATP, or equivalent. Applicants must have completed 51 college credits, including prerequisite courses. Students are required to earn 30 credits at the University of Pittsburgh School of Health and Rehabilitation Sciences. These 30 credits may not include prerequisite courses. All ADM students will be offered a 3-credit EM elective each semester to fulfill the 30-credit requirement (Beyond the Body will be offered in the fall semester, and Organizational Theory will be offered in the spring).

Apply to the University of Pittsburgh by completing the Office of Admission and Financial Aid's Transfer Application and selecting Emergency Medicine as your intended field of study. Applications are reviewed on a rolling basis.

Currently Serving Military applicants are strongly encouraged to contact Bob Seitz prior to applying to the University.

Recommended Courses

- Anatomy or Physiology
- Pharmacology
- Introduction to Nutrition
- Developmental Psychology
- Biology (with lab)*
- General Chemistry (with lab)*
- Organic Chemistry (with lab)*

Physics (with lab)*

Note

* Indicates recommended Pre-Med/PA courses-minimum one year each.

Required Courses

- ENGCOMP 0010 - COLLEGE COMPOSITION 1 OR
- ENGCOMP 0020 - COLLEGE COMPOSITION 2
- COMMRC 0520 - PUBLIC SPEAKING
- Math/Statistics/Computer Science 3 credits
- Natural Sciences/Psychology 6 credits
- EMT with lab 4 credits
- Humanities/Social Sciences 6 credits (Anthropology, Economics, English Literature/Writing, Foreign Language, History, Music, Performing and Visual Arts, Philosophy, Religion, Sociology, etc.)
- Additional Coursework 35 credits

Health Information Management

Admission Requirements

Students pursuing the undergraduate degree in Health Information Management (HIM) enter the program in the junior year of their undergraduate studies.

- Required credits/degrees: 60 college credits
- Required quality point average (QPA): 2.5
- Other admission criteria (recommended; not required): Volunteer or paid work experience in HIM

Pitt Students (including regional campuses)

Complete the SHRS ApplyYourself online application.

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- COMMRC 0520 - PUBLIC SPEAKING
- Information or Computer Science (Must include 3 credits of programming coursework) 9 credits
- ENGCMP 0010 - COLLEGE COMPOSITION 1
- ENGCMP 0020 - COLLEGE COMPOSITION 2
- MATH 0031 - ALGEBRA
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- STAT 1000 - APPLIED STATISTICAL METHODS
- Humanities and/or Social Science Elective 6 credits (Anthropology, Economics, English Literature/Writing, Foreign Language, History, Music, Performing & Visual Arts, Philosophy, Sociology, etc.)

Rehabilitation Sciences

Prerequisites

Students pursuing the undergraduate degree in Rehabilitation Science enter the program in the junior year of their undergraduate studies.

Required credits for admission: 60 college credits

Required minimum cumulative GPA: 2.5

Required minimum prerequisite science GPA: 2.5

General Education and Prerequisite Courses

Students are required to have completed the following courses for a letter grade and earned a C- or better.

- General Biology I and Lab, 4 credits
- General Chemistry I and Lab, 4 credits
- General Physics I, 3-4 credits
- Mathematics (College Algebra or higher¹), 2-3 credits
- Statistics (Applied Statistics or higher), 3-4 credits

- Introduction to Psychology, 3 credits
- Human Development ², 3 credits
- English Comp/Intensive Writing (W)³, 6 credits
- Humanities/Social Science⁴, 6 credits

Total Prerequisites: 34-37 credits

¹College Trigonometry or higher is highly recommended

²Students are encouraged to take REHSCI 1245 Human Development. Lifespan Development or Developmental Psychology also accepted

³ENGCOMP 0200 Seminar in Composition or equivalent minimum; ENGCOMP 0450 Research Writing recommended

⁴ANTH 0780 Introduction to Cultural Anthropology recommended

Note: Students planning to apply to graduate professional programs in health sciences are recommended to complete most of the prerequisite courses for those graduate programs (e.g. Physics II, Biology II, Chemistry II, etc.) prior to admission to the Rehabilitation Science program. Anatomy and Physiology (prerequisites for many professional health science programs) are included in the Rehabilitation Science curriculum.

Recommended Courses

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0430 - GENERAL CHEMISTRY 1 LABORATORY
- PHYS 0110 - INTRODUCTION TO PHYSICS 1
- MATH 0031 - ALGEBRA
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- Composition/Writing - two courses 6 credits
- Computer Science - one course 3-4 credits
- Humanities and/or Social Science elective 6 credits

¹College Trigonometry or higher is highly recommended ²Students are encouraged to take REHSCI 1245 Human Development. Lifespan Development or Developmental Psychology also accepted ³ENGCOMP 0200 Seminar in Composition or equivalent minimum; ENGCOMP 0450 Research Writing recommended ⁴ANTH 0780 Introduction to Cultural Anthropology recommended

Note: Students planning to apply to graduate professional programs in health sciences are recommended to complete most of the prerequisite courses for those graduate programs (e.g. Physics II, Biology II, Chemistry II, etc.) prior to admission to the Rehabilitation Science program. Anatomy and Physiology (prerequisites for many professional health science programs) are included in the Rehabilitation Science curriculum.

School of Pharmacy (Pittsburgh Campus)

The pharmacy program at the University of Pittsburgh is a six-year program leading to a Doctor of Pharmacy degree (PharmD). After two years of pre-pharmacy courses at Pitt-Greensburg, pharmacy students continue for four additional years in the School of Pharmacy (Pittsburgh campus). Students who qualify based on SAT scores and high school grades at the time they are admitted to Pitt-Greensburg are guaranteed admission to the School of Pharmacy as long as they maintain a GPA of 3.25 in required math and science courses and an overall GPA of 3.25. Those who are not guaranteed admission to the School of Pharmacy at the time they are admitted to Greensburg may still follow the pre-pharmacy curriculum and then apply for admission on a competitive basis. The following pre-pharmacy courses should be taken at Greensburg:

Required Courses

- BIOSC 0170 - FOUNDATION OF BIOLOGY 1
- BIOSC 0070 - BIOLOGY LABORATORY 1
- BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0080 - BIOLOGY LABORATORY 2

- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2
- CHEM 0310 - ORGANIC CHEMISTRY 1
- CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1
- CHEM 0320 - ORGANIC CHEMISTRY 2
- CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2
- MATH 0120 - BUSINESS CALCULUS or
- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

- ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY or
- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

- ENGCMP - two courses
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

- STAT 1000 - APPLIED STATISTICAL METHODS or
- STAT 0200 - BASIC APPLIED STATISTICS

- Humanities - two courses (at least 6 credits) from two different departments
- Social Sciences - two courses (at least 6 credits) from two different departments
- Electives - 6 additional credits in Humanities, Social Sciences, or Psychology
- COMMRC 0520 - PUBLIC SPEAKING (recommended)

In addition pre-pharmacy students must

(1) Maintain a 3.0 in all science courses. (2) Maintain a C or better in all other courses. (3) Complete a pre-admissions interview with the Office of Admissions at the School of Pharmacy. (4) Have a PCAT score in the 70th percentile or higher. All courses must be taken for a letter grade, Pass/Fail courses will not qualify. CLEP, distance learning, online, or foreign courses will not qualify.

Note: Course repetitions are **highly** discouraged

Course Information

Special Courses

Pitt-Greensburg offers a variety of special courses that students may use to enhance their educational experience. The special courses include independent studies, internships, excellence courses, study abroad courses, and capstone courses. Most of the special courses are optional, but for some majors (e.g. criminal justice) an internship is required, and the capstone course is required of all majors.

An **independent study** allows a student to explore a topic for which no course is available at Pitt-Greensburg or extend the exploration of a topic begun in a regular course. To arrange for an independent study, a student must find a faculty sponsor and work with the sponsor to develop a course plan. Independent study courses are available in every department. See an advisor for more details.

Internships allow students to earn credits toward graduation while gaining on-the-job experience in their majors. An internship is required in some majors (e.g. criminal justice and the journalism track in English writing), but it is available as an elective in most majors. Students are expected to find their own internship opportunities, but faculty advisors and the Office of Career Services may be aware of employers looking for interns and can provide suggestions about seeking an internship. Some departments ask students to complete an internship application. See a faculty advisor for more information.

Pitt-Greensburg students have an opportunity to study abroad in a country/region of their choice. Academic credits are earned while abroad and will transfer directly back into the student's academic degree requirements. See the study abroad coordinator for more information.

As part of the new Pitt-Greensburg curriculum that took effect in fall 1999, every Pitt-Greensburg student must complete a senior seminar or a senior project as a capstone to the work in the major program. The faculty views the **capstone course** as a significant enhancement to the UPG degree program because it provides students with the opportunity to bring together the themes and skills of the major. Capstone work typically involves research and both written and oral reports.

Departmental Course Listings

Please note, when searching courses by Catalog Number, an asterisk () can be used to return mass results. For instance a Catalog Number search of " I* " can be entered, returning all 1000-level courses.*

ANTH 0455 - DIVERSITY IN THE US

Minimum Credits: 3

Maximum Credits: 3

Who is an American? What does it mean to be American? What are the issues surrounding education as practice and as policy in the varied social context of the U.S.? This course explores the multi-layered and overlapping fields of identity in the United States from an anthropological perspective. Underpinning the various topics in the course are understandings of the interplay of culture (including language), power, and history. The particular fields that we shall examine include ethnicity, race, gender and sexualities, and class to better gain insight into the very meaning of the term "diversity" in the lives of "Americans."

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 0536 - MESOAMERICA BEFORE CORTEZ

Minimum Credits: 3

Maximum Credits: 3

When Cortez and his Spanish soldiers arrived in Mexico, they found Indians living in large cities with impressive temples raised on tall pyramids, lavish palaces for rulers, elaborate markets, and skilled craftsmen working in gold, copper, feathers, stone, pottery, and other materials. They were astonished at a civilization so like their own and yet so different (so "barbaric" to European eyes). This course explores the development of this civilization back to its roots several thousand years ago, by reconstructing earlier cultures known only from archeological evidence.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ANTH 0582 - INTRODUCTION TO ARCHEOLOGY

Minimum Credits: 3

Maximum Credits: 3

Examines the nature of modern archaeological research. Lectures look at how archaeologists work in the field, their analytic techniques, and some of the principal methodological and theoretical problems facing the field. Specific examples are used to illustrate these topics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 0680 - INTRODUCTION TO PHYSICAL ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce the undergraduate to the issues, theories and methods of physical anthropology. Beginning with a consideration of evolutionary, genetic and geologic principles, the course goes on to consider, the diversity of fossil and extant primates, including humans. Issues in anatomy, paleontology and behavior will all be addressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 0681 - INTRODUCTION TO HUMAN EVOLUTION

Minimum Credits: 3

Maximum Credits: 3

This is an introduction to human evolution and, in general, the evolution of the larger group to which we belong, the order primates. We will survey first the development of evolutionary ideas and modern developments in biology and geology and then review the diversity of living and fossil primates, dwelling especially on the discoveries and controversies surrounding our own evolutionary past.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 0715 - ANTHROPOLOGY OF LATIN AMERICA

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to offer students a basic yet comprehensive survey of the anthropology (including history, archeology and geography) of Latin America. This survey course will emphasize the development of Latin American societies and cultures since the European conquest, and focus on key issues/themes that have consistently surfaced in Latin American cultural anthropology and that have continuing priority, relevance and interest up to the present. This course is especially tailored to freshmen students with little or no knowledge of Latin America.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 0780 - INTRODUCTION TO CULTURAL ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

By examining the behavior and customs of peoples throughout the world, the course considers what it means to be human. We will describe the patterns of marriage, family organization, warfare and political behavior, economic systems, rituals, etc., Of other peoples, especially those of tribal societies, and compare these with American social patterns. Anthropological films and slide presentations will supplement lectures.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1030 - INDIA THROUGH ITS FILM

Minimum Credits: 3

Maximum Credits: 3

This course explores the portrayal of Indian cultures and society through the popular medium of art and commercial feature films over time. Topics such as gender roles, class, family, caste, secularism, religion and morality, urban and rural life, communalism and violence, colonialism, and nationalism will be analyzed in conjunction with anthropological readings on these topics. Films are subtitled.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1110 - ANTHROPOLOGICAL THEORY

Minimum Credits: 3

Maximum Credits: 3

What are people like? What motivates them? How is "culture" constituted? How do we study culture, past and present? What might be the distinctions between culture and society in approaches to the study of human behavior? To what extent is human behavior comparable and universal? This course seeks to address these questions by examining the development of theory in anthropology from its 19th century roots to the present. We shall do this by looking at some major paradigms (evolution, structuralism, processualism, post structuralism, etc.) And methodologies that have shaped the cultural component of anthropology (sociocultural anthropology and archaeology) as we find it today. This course is required for students in the sociocultural track, and is recommended for students in the archaeology track.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582 or 0780; PLAN: Anthropology major

ANTH 1164 - INTEGRATED FIELD TRIP ABROAD: INDIA

Minimum Credits: 3

Maximum Credits: 3

This course takes students on a three-week project-focused experience in eastern India. It is literally "integrated" with the ANTH 1764 course and is therefore an extension of it.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: ANTH 1764

ANTH 1220 - CLIMATE CHANGE AND THE HUMAN CHALLENGE

Minimum Credits: 3

Maximum Credits: 3

Drought and famine in the horn of Africa, the affected wine industry in France, loss of islands in the South Pacific, the opening of Arctic Seas. Environments in flux present us with dilemmas that span the spectrum of human life, from sheer survival to economic 'windfalls.' This course explores some of the issues related to shifting climate in various regions in the world today. It examines the impacts, consequences, and 'solutions' for human populations and environments, with a focus on the differing worldviews/cultures at play in connection with things economic, political, and

ethical.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1305 - RELIGION AND CULTURE

Minimum Credits: 3

Maximum Credits: 3

The relationship of religion to human behavior in societies of various kinds will be examined in this course. The objective is to gain an understanding of the different theories that have been offered by anthropologists to explain the widespread existence of religion in modern and tribal societies. Special attention is given to the problem of defining religion and witchcraft, and the religious treatment of death.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780

ANTH 1310 - MIGRATION AND DIASPORAS

Minimum Credits: 3

Maximum Credits: 3

The seemingly accelerated movement of peoples in today's world is an often misunderstood phenomenon, triggering political and socioeconomic anxieties for recipient localities (in both "internal" and "external" migrations). This course examines the situations, conditions, motivations, etc. Which initiate the various movements of peoples in different parts of the world and their experiences, from an anthropological and historical vantage.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1421 - GEOARCHAEOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course, available to advanced students in archeology, is designed to introduce geological principles, methods, and techniques employed in contemporary archeological research. Topics include a detailed study of agencies and environments of sediment deposition, soil formation processes, and paleo-environmental reconstructions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582 and (ANTH 1525 or 1526)

ANTH 1445 - LANGUAGE AND CULTURE

Minimum Credits: 3

Maximum Credits: 3

Language is the primary means of communication among humans. It operates on multiple levels, verbal and non-verbal, social, and cultural. The first part of the course introduces the main components of human language such as phonology, morphology, syntax, semantics, and pragmatics. The second portion will focus on the connections between language and culture and the social contexts and forms (gender, class, etc.) In which language use occurs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1447 - LANGUAGE, CULTURE, AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

Certain cultural concerns are well-labelled linguistically: kinship, plant-names, diseases, colors, etc. The study of how such semantic fields are labelled and organized is ethnosemantics. Much of the way language is used depends on the context of speaking. Different ways of talking to different people is the subject matter of sociolinguistics. Some thoughts that we habitually think seem illogical on reflection, but it seems as if our language predisposes us to think this way. Such phenomena are addressed by the Sapir-Whorf hypothesis.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1481 - THE ANTHROPOLOGY OF DEATH

Minimum Credits: 3

Maximum Credits: 3

Death as process and as fact generates a plethora of practices, beliefs, and responses cross-culturally. This course explores aging and death by examining cultural meanings and social actions employed by various cultures in dealing with the end of life, from the vantage of both the dying and the living. Included will be issues of identity and transformation, relegation and ritual, as well as the material implications of death.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1485 - THE LOCAL AND THE GLOBAL IN ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

The contemporary 'global' world, so labeled due to an interlocked (thus, "independent") economy, bears with it an array of "dilemmas", confusions, and blurs of boundaries. Accelerated movements of peoples, cultures/ideas, labor/ work, diseases, etc., serve to transform human experience everywhere, and to bring into question notions of autonomy and identity in the world at large. Using anthropological insight and engagement, the course addresses the dynamic interaction between local cultures and globalization forces.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1510 - SURVEY WORLD PREHISTORY

Minimum Credits: 3

Maximum Credits: 3

This basic course surveys the evolution of culture over the past two million years. Topics include the evolution of homo sapiens, development of agriculture, and rise of civilizations, from the perspectives of the old world and the Americas.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1525 - EASTERN NORTH AMERICAN ARCHEOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course deals with cultural development in the eastern United States from approximately 20,000 years ago to the period of European contact. Particular attention will be paid to man's adaptation to late pleistocene and holocene environments, the initial occupation of the region East of the Mississippi, the origins of agricultural systems and the rise of complex societies, including the Adena, Hopewell, and Mississippian manifestations.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ANTH 0582

ANTH 1526 - WESTERN NORTH AMERICAN ARCHEOLOGY

Minimum Credits: 3

Maximum Credits: 3

The prehistory of Western North America is examined in detail from the initial peopling of the area to the period of historic contact. Special emphasis is given to the Paleo-Indian and archaic techno/subsistence stages in the arid portions of the West.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582

ANTH 1534 - ARCHEOLOGICAL DATA ANALYSIS 1

Minimum Credits: 4

Maximum Credits: 4

An introduction to quantitative data analysis in archeology, this course covers basic principles of statistics, including exploratory analysis of batches, sampling, significance, t tests, analysis of variance, regression, chi-square, and estimating universe means and proportions from samples. The approach is practical, concentrating on understanding these principles so as to put them to work effectively in analyzing archeological data. Much of the statistical work is done by computer.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582 and (ANTH 1525 or 1526)

ANTH 1535 - BASIC ARCHEOLOGICAL FIELD TRAINING

Minimum Credits: 6

Maximum Credits: 6

The university of Pittsburgh field training program in archaeology is conducted at various locations. Features of the excavations include basic training in mapping, archaeological survey, excavation methods, soil analysis, data recording, and preliminary artifact analysis.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

ANTH 1537 - BASIC LABORATORY ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

This is a follow-up course for anthropology 1534 basic field methods in archaeology. In anthropology 1537, students who have participated in the summer field training program will be instructed in the Methodology of Artefactual and Non-Artefactual analysis. All data recovered during the summer field training program will be processed by the students under the supervision and direction of the instructor. Special emphasis will be placed on lithic and perishable analysis as well as paleo-climatic reconstruction and quantitative methods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582 with a B grade

ANTH 1540 - SPECIAL TOPICS IN ARCHEOLOGY

Minimum Credits: 3

Maximum Credits: 3

Topics covered vary greatly with instructor and term.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582, ANTH 1525, ANTH 1526

ANTH 1544 - ANCIENT CIVILIZATIONS

Minimum Credits: 3

Maximum Credits: 3

This course examines the rise and fall of several ancient civilizations. It covers the archaeology and earliest history of regions recognized as significant independent centers for the development of early civilization: Mesopotamia, Egypt, Indus Valley, China, South East Asia, MesoAmerica, and Andean South America. Central themes concern: why and how civilizations first emerge and then collapse; relationships among economic, political, social, and ideological factors in early civilizations; generic versus unique qualities of different early civilizations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1603 - HUMAN ORIGINS

Minimum Credits: 3

Maximum Credits: 3

This will be an in-depth look at the history of study of human evolution and the current theories and controversies surrounding the interpretation of our relatedness to the various apes as well as of the fossils representing our evolutionary past.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1627 - PRIMITIVE TECHNOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce advanced students in anthropology to experimental flintworking and lithic analysis used in contemporary archaeological research. As part of the detailed study of lithic technology it provides hands-on experience in all facets of replicative manufacture, use, and analysis of stone tools.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0582 and (ANTH 1525 or 1526 or 1626)

ANTH 1705 - SUPERNATURAL WORLDS: ANTHROPOLOGY OF RELIGION

Minimum Credits: 3

Maximum Credits: 3

The anthropology of religion endeavours to place things religious within the wider context of society and culture. This approach to religion is comparative, allowing for greater insights into the influences of religion in one's own social and cultural setting. The focus of the course is on systems of belief and practice, which occur on what is often referred to as the "margins" of society. Course will examine theories in the anthropology of religion and address specific topics such as 1) myth, symbol, and ritual; 2) magic, witchcraft, and divination; 3) healing and possession, etc.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ANTH 1732 - POLITICS IN CROSS-CULTURAL PERSPECTIVE

Minimum Credits: 3

Maximum Credits: 3

Whether it be Melanesian Big Men, Caste Councils in India, Polynesian chiefdoms, or modern states, an understanding of political realms involves a consideration of both systemic and individual levels of cultural ideologies and practice. In this course, we will examine some of the key literature in political anthropology that focus on notions of power and powerlessness, agency, and autonomy from an anthropological cross-cultural vantage, past and present.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780

ANTH 1736 - NEWS OF THE WORLD

Minimum Credits: 1

Maximum Credits: 1

Students who wish to gain academic credit for attendance and participation in 'news of the world' may now do so. The format of the meetings will remain informal and continuous, and will be for 1 credit per term, for up to three credits for three (not necessarily contiguous) terms. Students who wish to register for credit will be evaluated on a minimum number of attended meetings, on participation and sharing, and on two write-ups. This course fulfills an international culture requirement.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ANTH 1738 - GENDER PERSPECTIVES IN ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course analyzes gender perspectives in anthropology. Students are asked to consider how gender differences relate to women's and men's roles in productive labor, in property rights, and in family and kin relations. Special attention is given to the way gender and sexual difference are represented in culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1750 - UNDERGRADUATE SEMINAR

Minimum Credits: 3

Maximum Credits: 3

This seminar brings together all undergraduate majors in anthropology for a seminar on the methods by which cultures around the world change over time. Defining such methods occupies much of any anthropologist's time, be he or she an ethnographer, archaeologist, physical anthropologist or linguist. The seminar therefore examines this central problem from many perspectives and affords the student ample opportunity for personal expression as well as rewarding discussion and research in a peer group environment.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780

ANTH 1756 - ECONOMIC ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course reviews the development of economic anthropology as a special field of study. Emphasis is placed on economic change and the impact of industrialization on the third world. Ethnographic examples are drawn from Latin America, Africa, Asia, Oceania, and Europe. Topics to be discussed include economic theory in anthropology, exchange and the origin/use of money, the development of wage labor, marketing and commodity production, theories of economic development and underdevelopment.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1761 - PATIENTS AND HEALERS: MEDICAL ANTHROPOLOGY 1

Minimum Credits: 3

Maximum Credits: 3

This course surveys the field of medical anthropology and its history within the discipline of anthropology as a whole, from the perspective of social-cultural theory. Topics dealt with include ethnomedicine, ethnographic cases, cross-cultural studies of healing practices and connections between medicine and religion. Reference is also made to applied research in contemporary situations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1762 - HUMAN ECOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course explores the ecology of the human species. We will study how humans adapt to their physical and cultural environment, and the interrelationships between people and the environment. Topics discussed include evolution and adaptation, population growth and regulation, foraging and subsistence strategies and production decisions, population interactions and resource management, and energy and human society.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780 + one other ANTH course

ANTH 1763 - FIELD METHODS

Minimum Credits: 4

Maximum Credits: 4

This course is designed to acquaint students with basic ethnographic fieldwork techniques. Topics addressed include taking and managing fieldnotes on participant-observation, systematic or structured interviews, behavioral observation, and use of archival materials. There will also be some discussion of the relationship between research design, data collection, and data analysis.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1764 - CULTURES AND SOCIETIES OF INDIA

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the cultural history of India and to the culture and society of the modern country, concentrating on the description and analysis of modern Indian society. Topics to be covered include caste, kinship and marriage, village communities, law and society and politics in modern India.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1775 - APPLIED ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

Viewing applied anthropology as a possible career choice, this course will define the field, contrast it with basic anthropology, examine the concept of policy analysis, and survey the kinds of applied anthropology conducted within the realm of cultural anthropology (urban, education, community development, etc.). Methods and techniques used in applied anthropology will be reviewed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1780 - INTRODUCTION TO ANTHROPOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course surveys the biological and cultural heritages which distinguish humans from other advanced evolutionary forms. Through physical anthropology and prehistory, it outlines major developments over the past five million years. Through linguistic and sociocultural anthropology, it describes the universal features of social institutions and human behavior, drawing comparative examples from primitive, traditional, and modern societies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ANTH 1787 - SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY

Minimum Credits: 1

Maximum Credits: 4

This course will be on a topic in the area of specialization of a visiting scholar yet to be determined.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780

ANTH 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

This course allows qualified students to develop highly personalized research projects in conjunction with a faculty sponsor. The student will have to develop a bibliography, outline an approach to the project, and devise a methodology. The project work products are agreed to by the student and the faculty sponsor. Typical products may be a report, paper, or other tangible result of the student's efforts.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780 and one upper-level ANTH course

ANTH 1903 - DIRECTED RESEARCH-READINGS

Minimum Credits: 1

Maximum Credits: 3

Not all topics in anthropology can be adequately addressed in formal courses. The reading course allows qualified students to develop a bibliography for a specific topic not covered by other courses in the department. The work is done in conjunction with a faculty sponsor, and the student and faculty sponsor jointly determine the work products for the course, a research paper or annotated bibliography based upon the readings is typical, but other products may be substituted.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780 and one upper-level ANTH course

ANTH 1955 - ANTHROPOLOGY CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior anthropology majors.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 0780; LVL: Senior

ANTH 1956 - ARCHEOLOGY CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior archeology majors.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ANTH 1525, ANTH 1526 or (ANTH 1534 and ANTH 1626); LVL: Senior

ASTRON 0088 - STONEHENGE TO HUBBLE

Minimum Credits: 3

Maximum Credits: 3

A course focusing on practical astronomy and providing a historical perspective of our place in the universe. Phenomena that can be readily observed with the unaided eye or a small telescope are discussed. The historical perspective starts with the earliest views, and discusses scientific discovery as a process leading up to modern ideas of the expanding universe of galaxies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ASTRON 0089 - STARS, GALAXIES AND THE COSMOS

Minimum Credits: 3

Maximum Credits: 3

This course deals primarily with astronomical objects lying outside our solar system. The level is appropriate for non-science students.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0070 - BIOLOGY LABORATORY 1

Minimum Credits: 1

Maximum Credits: 1

This course is designed to introduce biology as an experimental science. The course exposes the student to some basic concepts and laboratory techniques and provides a foundation for future laboratory courses and work in biology.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 0170

BIOSC 0080 - BIOLOGY LABORATORY 2

Minimum Credits: 1

Maximum Credits: 1

This course is designed to introduce biology as an experimental science. The course exposes the student to some basic concepts and laboratory techniques and provides a foundation for future laboratory courses and work in biology.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0170/0070; COREQ: BIOSC 0180

BIOSC 0105 - TOPICS IN BIOLOGY

Minimum Credits: 3

Maximum Credits: 3

Intended for students who do not have a strong biology preparation from high school. The lecture will cover a subset of topics from Foundations of Biology 1 and 2.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0170 - FOUNDATION OF BIOLOGY 1

Minimum Credits: 3

Maximum Credits: 3

This is an introductory course divided into two parts. The first part covers the cellular basis of life including a discussion of simple chemistry-cells as units of structure and function and energy transformations. The second part includes an examination of those functions common to all organisms such as nutrition, gas and fluid transport and hormonal and neuronal control. Throughout, the emphasis is on the mechanisms used by different organisms to accomplish these basic functions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 0070

BIOSC 0180 - FOUNDATIONS OF BIOLOGY 2

Minimum Credits: 3

Maximum Credits: 3

This course covers the basic principles of classical and molecular genetics, evolution, and ecology. Emphasis will be placed on the experimental and

observational basis for our knowledge of these subjects.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0170/0070; COREQ: BIOSC 0080

BIOSC 0350 - GENETICS

Minimum Credits: 3

Maximum Credits: 3

This course is designed to examine the gene in the following dimensions: the gene as a unit of transmission, a unit of function, and a unit of mutation. In addition, the distribution and activity of genes in populations will be considered in the context of current theories of evolution.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080

BIOSC 0470 - BIOLOGY OF AGING

Minimum Credits: 3

Maximum Credits: 3

Biological aging is a phase of growth and development which starts at conception and ends at death. This course will provide an understanding of the gradual deterioration of body structures and functions characteristic of senescence. The various biological theories that attempt to explain the phenomenon of aging will be examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0745 - FIELD STUDIES IN ECOLOGY

Minimum Credits: 3

Maximum Credits: 6

Basic ecological (biomes, ecosystems, community ecology, population ecology, and adaptations) and environmental science (human population growth, resource use, and pollution) concepts, will be taught in outdoor locations. Sites will vary, and may include the Colorado Rocky Mountains and the Amazonian Rainforest. All-day field trips to significant sites will be supplemented by evening lectures and talks by local experts.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

BIOSC 0750 - EXPLORING THE BOLIVIAN ENVIRONMENT

Minimum Credits: 3

Maximum Credits: 3

This course uses ecological principles as a foundation to address major global environmental problems. Special emphasis will be given to Bolivian concerns as well as solutions to those problems. Particular topics will include energy, water resources, environmental health, biodiversity, agriculture, and environmental education and ethics. Student will visit Bolivia during spring break to have first-hand contact with these topics via talks from local experts as well as field trips to environmentally significant sites, including the Amazon rain forest.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0820 - ENVIRONMENTAL SCIENCE

Minimum Credits: 3

Maximum Credits: 3

A course for non-science majors utilizing basic scientific principles to investigate human interactions with the environment. The social, political and economic effects of these interactions will also be studied. Topics include scientific principles; populations and health concerns; food, land, and biological resources; and society and the environment. Through an understanding of science and the possible consequences of human decision-making regarding the environment, students are equipped to become better citizens.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0950 - HUMAN ANATOMY AND PHYSIOLOGY 1

Minimum Credits: 3

Maximum Credits: 3

An introductory course in structure and function of the human body designed as a foundation course for nursing students. Emphasis is given to the chemical and cellular organization of the body, as well as the principal systems. Throughout the course, concepts of homeostasis, stress response, metabolic activities, and pathological diseases are continually stressed. The first term covers cell chemistry, cell ultrastructure and physiology, histology, integument, musculoskeletal physiology, nervous system, endocrine system, and sense organs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 0951 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1

Minimum Credits: 1

Maximum Credits: 1

Laboratory associated with Anatomy and Physiology 1 lecture.

Academic Career: Undergraduate

Course Component: Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: CO-REQ: BIOSC 0950

BIOSC 0970 - HUMAN ANATOMY AND PHYSIOLOGY 2

Minimum Credits: 3

Maximum Credits: 3

The second term of the introductory course in structure and function of the human body for nursing students. The body systems discussed are the digestive, circulatory, respiratory, excretory, and reproductive.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREREQ: BIOSC 0950

BIOSC 0971 - HUMAN ANATOMY AND PHYSIOLOGY LAB 2

Minimum Credits: 1

Maximum Credits: 1

Laboratory associated with Anatomy and Physiology 2 lecture.

Academic Career: Undergraduate

Course Component: Laboratory

Grade Component: LG/SNC Elective Basis
Course Requirements: CO-REQ: BIOSC 0970

BIOSC 0980 - MEDICAL MICROBIOLOGY

Minimum Credits: 3
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

BIOSC 0981 - MEDICAL MICROBIOLOGY LAB

Minimum Credits: 1
Maximum Credits: 1
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

BIOSC 1000 - BIOCHEMISTRY

Minimum Credits: 3
Maximum Credits: 3
This course is designed to provide students with a basic understanding of the principles and underlying themes of modern biochemistry. The course includes all the major topics in biochemistry in considerable depth including thermodynamics and enzymology, protein and nucleic acid structure, function, and synthesis, lipids and membranes as well as metabolic pathways. This course will require that you master a new vocabulary including chemical structures, and there is an emphasis throughout on experimental approaches, molecular mechanisms, and problem solving. Although the same topics will be covered as in the two semester biochemistry series (BIOSC 1810-1820), no one topic in BIOSC 1000 will be covered in as much detail.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0180/0080; CHEM 0310/330; CHEM 0320/0340

BIOSC 1017 - EPIDEMIOLOGY

Minimum Credits: 3
Maximum Credits: 3
This course introduces the basic principles and methods of epidemiology for studying the distribution and determinants of disease outcomes. Topics include descriptive epidemiology, morbidity and mortality studies, analytical techniques, and evaluation of preventive methods.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BIOSC 1090 - INTRODUCTION TO BIOPSYCHOLOGY

Minimum Credits: 3
Maximum Credits: 3
This is a survey course in which the biological bases of certain classes of behavior are explored. The behaviors studied are limb movement, sleep and wakefulness, feeding, sexual behavior and learning and memory. Each of these behaviors is considered from the point of view which brain structures and which neurotransmitters are involved in the production of that behavior. Emphasis is also placed on experimental techniques used to obtain

relevant data and on the type of inferences which can be made from these experiments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 or BIOSC 0170

BIOSC 1110 - HUMAN ANATOMY AND PHYSIOLOGY 1

Minimum Credits: 3

Maximum Credits: 3

The first course in a two-part sequence dealing with macroscopic and microscopic anatomy and physiology of the human body, with special emphasis on relationships between structure and function. Included in the two courses are cell biology, histology, embryology, bone and skeleton, muscles and contraction, the cardiovascular system and its regulation, the nervous system and nervous impulse, the urinary system and electrolyte balance, and the respiratory, digestive, endocrine, and reproductive systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

Course Requirements: PREQ: BIOSC 0180 and 0080; COREQ: BIOSC 1111

BIOSC 1111 - HUMAN ANATOMY AND PHYSIOLOGY LAB 1

Minimum Credits: 1

Maximum Credits: 1

Laboratory exercises illustrating the anatomy and physiology of the human body.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SU3 Elective Basis

Course Requirements: PREREQ: BIOSC 0180 and 0080; COREQ: BIOSC 1110

BIOSC 1115 - HUMAN ANATOMY AND PHYSIOLOGY 2

Minimum Credits: 3

Maximum Credits: 3

The second course in a two-part sequence dealing with macroscopic and microscopic anatomy and physiology of the human body, with special emphasis on relationships between structure and function. Included in the two courses are cell biology, histology, embryology, bone and skeleton, muscles and contraction, the cardiovascular system and its regulation, the nervous system and nervous impulse, the urinary system and electrolyte balance, and the respiratory, digestive, endocrine, and reproductive systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1116 - ANATOMY AND PHYSIOLOGY LAB 2

Minimum Credits: 1

Maximum Credits: 1

Laboratory exercises illustrating the anatomy and physiology of the human body.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

BIOSC 1200 - VERTEBRATE MORPHOLOGY

Minimum Credits: 3

Maximum Credits: 3

A study of the gross anatomy, histology, development, and evolution of the vertebrate body. Topics: vertebrate origin, phylogeny, and classification; basic histology; early embryology; evolutionary morphology; integument; skeletal system; muscular system; sense organs; nervous system; endocrine system; body cavity and mesenteries; digestive system; respiratory system; circulatory system; excretory system; reproductive system. Each system is examined in terms of its embryonic development, histology, functional anatomy, and evolutionary history. General principles of evolutionary morphology are emphasized. The purpose of the course is to provide an understanding of the history and functional anatomy of the body. It is designed as a background for studies in embryology, physiology, systematics, and human anatomy and physiology in professional schools.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; COREQ: BIOSC 1210

BIOSC 1210 - VERTEBRATE MORPHOLOGY LABORATORY

Minimum Credits: 2

Maximum Credits: 2

This is a laboratory to accompany BIOSC 1200. Students will dissect a shark and a cat, study various skeletons (including human), and examine histology slides. The purposes of the course are to illustrate the structures discussed in the BIOSC 1200 lectures, and to give the student the personal experience of learning animal structure through dissection and observation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 1200

BIOSC 1215 - INTRODUCTION TO NEUROSCIENCE

Minimum Credits: 3

Maximum Credits: 3

This course studies the basic structure and function of the central and peripheral nervous system. There is an emphasis on the effects of lesions of the nervous system on human function and disability.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180, 0080

BIOSC 1280 - MICROBIAL GENETIC ENGINEERING

Minimum Credits: 3

Maximum Credits: 3

This course will consist of a series of lectures discussing the molecular genetics of prokaryotic and eukaryotic microbes and ways in which they can be genetically engineered. It includes: (1) the genome structures of microbes, (2) classic methods for genetic exchange, (3) current approaches to genetic engineering, (4) applications of genetic engineering to human disease. Visits to the computer lab will introduce web-based analysis of microbial genome sequences.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1320 - POPULATION BIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This is a course in the scientific study of the distribution and abundances of animal and plant populations. The course will begin with the dynamics of single populations, emphasizing demography, exponential growth, and intra-specific competition. Next we will cover interactions between populations, especially competition and predation. Finally we will consider the implications of population dynamics to the evolution of life history strategies, to population regulation, and to community structure. Throughout, empirical studies of natural and laboratory populations will be used to test mathematical models of population processes.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1371 - ENVIRONMENTAL HEALTH

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the scientific study of environmental hazards that affect human health. Biological, chemical and physical factors that are found in the air, water, soil, and food will be assessed from the perspective of both the industrialized and developing worlds. Students will learn about current issues in the field of environmental health, including the assessment, correction, control, and prevention of environmental hazards and their effects on the human body.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0070, BIOSC 0170, BIOSC 0080, BIOSC 0180

BIOSC 1380 - GLOBAL ECOLOGY

Minimum Credits: 3

Maximum Credits: 3

Compelling evidence points to the 1990's as the decade of environmental crisis. Human quality of life, and probably survival, likely depends more on treaties about land, air, and water than on weaponry. This course will examine environmental issues of the decade and the basic concepts of the fundamental environmental science - ecology - that underlie them. The nature of key environmental changes, their extent and rates, will be considered, along with likely consequences and possible solutions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1385 - ECOLOGY AND ENVIRONMENT

Minimum Credits: 4

Maximum Credits: 4

This course addresses areas of major environmental concerns after a foundation in selected ecological principles is established. The basic understanding of natural systems, including organism, population, community, and ecosystem ecology will be explored. Then current issues related to human population growth, natural resource use, and pollution will be examined using a global case study approach. Student discussion and writing concerning controversial issues will be stressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PLANS: Pre-Education/Early/Secondary Education

BIOSC 1470 - BIOPHYSICAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

This course will deal with fundamental physical chemical principles especially applicable in the study of molecular biology. Topics will include (1)

thermodynamics and chemical equilibrium; (2) kinetic theory and transport; and (3) chemical and enzyme kinetics. These subjects will be richly highlighted with numerous examples from biological systems, and techniques for studying these systems will be described. The topics covered will be developed from a physical chemical point of view.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1480 - EMBRYOLOGY

Minimum Credits: 3

Maximum Credits: 3

The development of some invertebrates' and vertebrates' eggs, embryos, organs and systems is examined in the light of basic concepts and problems of embryology, emphasizing the techniques, critical approaches, and analytic methods of experimental embryology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; COREQ: BIOSC 1490

BIOSC 1490 - EMBRYOLOGY LABORATORY

Minimum Credits: 2

Maximum Credits: 2

The embryological development of the frog, chick and pig are intensively studied in microscopic preparations emphasizing the integration of temporal and spatial events with attention to homology and adaptation.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 1480

BIOSC 1500 - CELL BIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course will be devoted to a discussion of the current state of our understanding of cell structure and function. Eukaryotic cells will be emphasized with particular attention to animal cells. However, prokaryotic cells will be discussed for comparative purposes. Course material will emphasize the experimental basis for our understanding of cell biology and the relationship between structure and function. Most of the techniques to be considered will involve biochemical and molecular biological approaches used in the study of cell function. Thus the course will assume a familiarity with the principles of biochemistry covered in the prerequisites and will not repeat this material. Topics will include membranes, the nucleus, mitochondria and chloroplasts, the cytoskeleton, cell motility, growth and division, endocytosis and exocytosis, and selected topics on the cellular biological aspects of cancer and the immune system.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; COREQ: BIOSC 1510

BIOSC 1510 - CELL BIOLOGY LABORATORY

Minimum Credits: 1

Maximum Credits: 1

This experimental methods course is designed to give upper division majors and opportunity to learn modern techniques used in cell biology research. Students will master the fundamentals of light microscopy (bright field, phase contrast, and dark field) and explore more advanced techniques such as fluorescence, confocal, video, and differential interference contrast microscopy. Students will isolate plasma membranes,

mitochondria, nuclei, brush borders, and flagella and characterize these organelles by microscopy, enzyme assays and antibody labeling.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 1500

BIOSC 1520 - DEVELOPMENTAL BIOLOGY

Minimum Credits: 3

Maximum Credits: 3

The mechanisms of animal development will be analyzed. The first half of the course will emphasize classic embryological investigations focusing on how the embryonic body plan becomes organized, while the second half will deal primarily with the genetic and molecular regulation of development. The experimental analysis of such processes as fertilization, morphogenetic movements, tissue interactions, pattern formation, and gene expression will be discussed using examples from a variety of animal embryos, and by discussion of the current research literature.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

BIOSC 1530 - DEVELOPMENTAL BIOLOGY LABORATORY

Minimum Credits: 1

Maximum Credits: 1

This laboratory course is designed to provide students with practical experience in the scientific method of experimental research with regard to animal development. Initial labs will stress observational skills, but the goal of each will be to understand the careful and deliberate process of experimental design, execution, and the interpretation of results. The importance of establishing and interpreting controls in experimental procedure will also be emphasized.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

BIOSC 1535 - SENSATION AND PERCEPTION

Minimum Credits: 3

Maximum Credits: 3

This course examines the nature of the mechanisms that transform sensory input into our perceptual experience of the world. Topics include: structure and function of sensory system, perception of color, object, motion, etc. Both information-processing and ecological approaches to the study of perception are considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0170 or PSY 0010

BIOSC 1560 - CELL AND DEVELOPMENTAL BIOLOGY SEMINAR

Minimum Credits: 1

Maximum Credits: 1

In this seminar course, a single topic each term is developed by student presentations of research articles from the original scientific literature, as chosen by the instructor. Possible topics might include genes encoding major developmental switch proteins, the cytoskeletal basis of morphological movements in development, or establishing and subdividing body axes in development.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1480 or BIOSC 1500 or BIOSC 1520

BIOSC 1580 - BIOCHEMISTRY SEMINAR

Minimum Credits: 1

Maximum Credits: 1

In this seminar course, a single topic each term is developed by student presentations of research articles from the original scientific literature, as chosen by the instructor. Recent topics have included biosynthesis of peptide hormones, recombinant DNA technology, processing of mRNA precursors, protein folding with emphasis on the molecular biology and biochemistry of chaperonins, and protein translocation within cells.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1000 or BIOSC 1810

BIOSC 1760 - IMMUNOLOGY

Minimum Credits: 3

Maximum Credits: 3

Course will describe the role of the immune system invertebrates. The molecular and cellular basis of immunity will be emphasized. The roles of antigens, antibodies and immunocompetent cells in pathogenesis and immunity will be covered. The applications of immunology in the design of vaccines, immunotherapeutic, immunodiagnostics, organ transplantation, cancer therapy, and immune system diseases will be discussed, as will the use of immunology in biological research.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080

BIOSC 1810 - MACROMOLECULAR STRUCTURE AND FUNCTION

Minimum Credits: 3

Maximum Credits: 3

This course is concerned primarily with the structure and functions of proteins and nucleic acids. These are large polymers where structure and function are determined by the sequence of monomeric units. Topics will include the physical and chemical properties of the monomer units (amino acids/nucleotides); the determination of the linear sequence of these units; analyses of the three-dimensional structures of the macromolecules; kinetics and mechanisms of enzyme catalyzed reactions, including RNA enzymes; regulation of enzyme activity; molecular recognition; and fidelity of protein synthesis. Emphasis throughout will be on experimental methods, molecular mechanisms and problem solving.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; CHEM 0310/0330; CHEM 0320/0340

BIOSC 1820 - METABOLIC PATHWAYS AND REGULATION

Minimum Credits: 3

Maximum Credits: 3

The primary focus of this course will be on the pathways of intermediary metabolism by which all cells and organisms synthesize and degrade carbohydrates, lipids (fats), nitrogenous compounds, and nucleotides. Specifically, we will examine the chemistry of the reactions that constitute these pathways, and discuss how energy is derived from the breakdown of nutrients. A strong emphasis will be placed on how the pathways are regulated by specific molecules and hormones in living systems. Finally, we will consider how several human diseases arise from defects in metabolic pathways, and will review papers in the current scientific literature on new techniques by which the components of metabolic pathways are characterized in the laboratory.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 1810; CREQ: BIOSC 1825

BIOSC 1825 - BIOCHEMISTRY LABORATORY

Minimum Credits: 2

Maximum Credits: 2

Introduces several basic experimental techniques of biochemistry including spectrophotometry, ion-exchange and gel-permeation chromatography, radio-chemical methods, gel electrophoresis, enzyme isolation, and nucleic acid purification. Lecture will concern the techniques under study.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1810 CO-REQ: BIOSC 1820

BIOSC 1830 - BIOCHEMISTRY LABORATORY

Minimum Credits: 3

Maximum Credits: 3

Course introduces several basic experimental techniques of biochemistry including spectrophotometry, ion-exchange and gel-permeation chromatography, radio-chemical methods, gel electrophoresis, enzyme isolation, and nucleic acid purification. Lecture will concern the techniques under study.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1810; CREQ: BIOSC 1820

BIOSC 1850 - MICROBIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the basic biology, diversity in types, and survival strategies of microorganisms. We will study basic topics, including microbial growth, metabolism, nutrition and genetics, as well as the relevance of microorganisms to human disease, biotechnology and environmental science.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; COREQ: BIOSC 1860

BIOSC 1860 - MICROBIOLOGY LABORATORY

Minimum Credits: 2

Maximum Credits: 2

This laboratory course introduces basic techniques used for isolation of microorganisms in pure culture, identification of groups of microorganisms, and study of microbial physiology, genetics, and ecology. Some topics in applied microbiology that are covered include food microbiology, water and waste water analysis, and identification and antibiotic sensitivity-testing of pathogenic isolates. Viruses, archaeobacterial, bacteria, algae, protozoa, and fungi that students isolate from soil, pond water, human skin, and other sources are used to illustrate these methods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 1850

BIOSC 1870 - ANIMAL PHYSIOLOGY

Minimum Credits: 3

Maximum Credits: 3

Course is a survey of the current state of our knowledge of how animals work. The emphasis will be on physiological mechanisms for survival in natural environments. A comparative approach will stress the diversity of physiological adaptations throughout the animal kingdom. Topics include nutrition, metabolism, muscle, respiration, circulation, osmoregulation, sensory and neural physiology, and hormones. The material will stress multi-cellular systems of organization at the levels of tissues, organs, and whole animals.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; COREQ: BIOSC 1875

BIOSC 1875 - ANIMAL PHYSIOLOGY LABORATORY

Minimum Credits: 2

Maximum Credits: 2

A comprehensive study of the various physiological mechanisms employed by different animal groups in adapting to their environment.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: Letter Grade

Course Requirements: COREQ: BIOSC 1870

BIOSC 1885 - INTRODUCTION TO MEDICINAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

Introduces the fundamental principles of medicinal chemistry. It explains the molecular basis for the mechanisms of action of drugs, drug-receptor interactions, and drug design approaches, including structure-based and ligand-based drug design.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180; CHEM 0320

BIOSC 1901 - INDEPENDENT STUDY

Minimum Credits: 0

Maximum Credits: 6

A program of independent reading with individual tutorials on a topic chosen in consultation with the BIOSC faculty member who will supervise the program.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: Satisfactory/No Credit

BIOSC 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 6

Directed study in a specific area of biological science.

Academic Career: Undergraduate

Course Component: Directed Studies
Grade Component: LG/SNC Elective Basis

BIOSC 1910 - INTERNSHIP

Minimum Credits: 1
Maximum Credits: 6
Internship in the area of biological sciences.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: Satisfactory/No Credit

BIOSC 1915 - LABORATORY ASSISTANT

Minimum Credits: 2
Maximum Credits: 2
This is a laboratory assistantship for general and upper-level laboratories. Primarily includes laboratory preparation, assisting students in the laboratory and possibly some lecturing under the supervision of the laboratory instructor
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0180/0080

BIOSC 1916 - LECTURE ASSISTANTSHIP

Minimum Credits: 2
Maximum Credits: 2
This is a lecture assistantship for biology courses. Primarily includes attending lectures, assisting students during in class activities and offering study sessions.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0180/0080

BIOSC 1940 - MOLECULAR BIOLOGY

Minimum Credits: 3
Maximum Credits: 3
Course will examine the molecular basis of life processes, with a primary emphasis on genes (what they are, what they do, how they determine the properties of an organism). Topics covered will include replication of DNA, transcription of DNA into rna, and translation of RNA into protein. Much of the course will be concerned with how these processes are regulated in response to changes in the environment, and how this regulation relates to the observed properties and behavior of the organism.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0350; COREQ: BIOSC 1950

BIOSC 1950 - MOLECULAR GENETICS LABORATORY

Minimum Credits: 2
Maximum Credits: 2

This course will discuss the theories and methodologies that have recently emerged as the central theme of modern molecular genetics. Lectures will emphasize descriptions and applications of techniques such as molecular cloning, restriction site mapping, in vitro mutagenesis, the polymerase chain reaction and DNA sequence analysis that have led to the recent explosion in knowledge about chromosome organization, gene structure, and the regulation of gene expression. Laboratory sessions will emphasize polymerase chain reaction, agarose gel electrophoresis, cloning DNA fragments, bacterial transformation, restriction analysis, and the sanger method of sequencing DNA.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: BIOSC 1940

BIOSC 1960 - SCIENTIFIC WRITING

Minimum Credits: 3

Maximum Credits: 3

Effective writing is essential for the communication of scientific knowledge, yet few biologists have any formal training in how to write a scientific paper. BIOSC 1960 would be a three-credit course, which is designed to teach students how to become more effective writers by demystifying the writing process. We will work throughout the semester on students' research papers: we will start with outlines and rough drafts; the students will then review and critique each other's writing in class, and in small peer groups; and we will revise each section of these papers several times before the final drafts are completed. By the end of the semester, students will have a better understand of the conventions of scientific writing and of readers' expectations. Additionally, students will learn how to solicit high-quality feedback from faculty and their peers, and how to respond to feedback in thoughtful and deliberate ways when revising. This course would be required for all students to complete before taking their capstone course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0070/0170, BIOSC 0080/0180/ CHEM 0110/0120, ENGCOMP 0020 and 2nd semester Junior.

BIOSC 1962 - BIOLOGY UNDERGRADUATE RESEARCH

Minimum Credits: 3

Maximum Credits: 3

This course will focus on projects that fall within the research interests of the supervising faculty member. Literature searching and review, solution preparation, laboratory safety training and experimental activity (including a final research report and presentation) will be contained in this course, which is offered under two options: a one-term laboratory course, or a two-term, individually-advised course.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1960; LVL: Junior; PLAN: Biological Science major

BIOSC 1963 - BIOLOGY RESEARCH - INDEPENDENT STUDY

Minimum Credits: 3

Maximum Credits: 3

This course will focus on projects that fall within the research interests of the supervising faculty member. Literature searching and review, solution preparation, laboratory safety training and experimental activity (including a final research report and presentation) will be contained in this course, which is offered as a two-term, individually-advised course.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1960; LVL: second semester junior with an overall GPA of at least 3.0; PLAN: Biological Science Major

BIOSC 1999 - MEDICAL MICROBIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This is an advanced level lecture course educating students in the microbial aspects of human infectious diseases. Students will learn about the microbial basis of infection, the host response, and the nature of specific infections within the human body. The course also will present approaches for the diagnosis of infections and strategies for disease control. The topics of medical microbiology will be presented in a system-based rather than an organism-based approach.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHEM 0100 - PREPARATION GENERAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

This course is designed for those students who intend to take chemistry 0110 and 0120, but whose science and mathematical backgrounds are judged by their advisors to be relatively weak. The course emphasizes stoichiometry (chemical calculations), chemical equations, gas laws, elementary atomic structure and periodic properties of elements.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHEM 0110 - GENERAL CHEMISTRY 1

Minimum Credits: 4

Maximum Credits: 4

Chemistry 0110 and 0120 comprise a two-term introduction to the fundamental properties of matter. The courses emphasize applications to industrial and environmental chemistry and biochemistry. CHEM 0110 covers stoichiometry, the properties of solids, liquids and gases, thermochemistry and the electronic structure of atoms and molecules.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: CO-REQ: MATH 0031 or MATH 0020

CHEM 0110 - GENERAL CHEMISTRY 1

Minimum Credits: 4

Maximum Credits: 4

Chemistry 0110 and 0120 comprise a two-term introduction to the fundamental properties of matter. The courses emphasize applications to industrial and environmental chemistry and biochemistry. CHEM 0110 covers stoichiometry, the properties of solids, liquids and gases, thermochemistry and the electronic structure of atoms and molecules.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: CO-REQ: MATH 0031 or MATH 0020

CHEM 0110 - GENERAL CHEMISTRY 1 [BLANK]

CHEM 0120 - GENERAL CHEMISTRY 2

Minimum Credits: 4

Maximum Credits: 4

Chemistry 0110 and 0120 comprise a two-term introduction to the fundamental properties of matter. The courses emphasize applications to industrial and environmental chemistry and biochemistry. CHEM 0110 covers stoichiometry, the properties of solids, liquids and gases, thermochemistry and the electronic structure of atoms and molecules.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0110

CHEM 0120 - GENERAL CHEMISTRY 2

Minimum Credits: 4

Maximum Credits: 4

Chemistry 0110 and 0120 comprise a two-term introduction to the fundamental properties of matter. The courses emphasize applications to industrial and environmental chemistry and biochemistry. CHEM 0110 covers stoichiometry, the properties of solids, liquids and gases, thermochemistry and the electronic structure of atoms and molecules.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0110

CHEM 0120 - GENERAL CHEMISTRY 2 [BLANK]

CHEM 0250 - INTRODUCTION TO ANALYTICAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

This course is concerned with the rigorous treatment of equilibria that are of analytical importance and with an introduction into electroanalytical methods, emission and absorption spectrophotometry, and modern separation methods, particularly chromatography.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0120 or 0970; CREQ: CHEM 0260

CHEM 0260 - INTRODUCTION TO ANALYTICAL CHEMISTRY LAB

Minimum Credits: 1

Maximum Credits: 1

The primary objectives of this course are to introduce the student to current analytical methods and to cultivate sound experimental technique. Laboratory work includes ion exchange separations, complexometric and potentiometric acid-base titrations, and absorption spectrophotometry.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: CHEM 0250

CHEM 0310 - ORGANIC CHEMISTRY 1

Minimum Credits: 3

Maximum Credits: 3

An introduction to theory and practice of organic chemistry through study of structural principles, reaction mechanisms, and synthesis leading toward end of second term, when complex molecules of biological interest are discussed. Basic goals of course are to develop appreciation and skill in methods of molecular analysis which have made organic chemistry such a powerful intellectual discipline. Course will prepare student for work in advanced topics of organic chemistry, biochemistry, chemical engineering and health related sciences.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0120 or CHEM 0970 or CHEM 0112/0114 (UPJ); COREQ: CHEM 0330

CHEM 0320 - ORGANIC CHEMISTRY 2

Minimum Credits: 3

Maximum Credits: 3

An introduction to theory and practice of organic chemistry through study of structural principles, reaction mechanisms, and synthesis leading toward end of second term, when complex molecules of biological interest are discussed. Basic goals of course are to develop appreciation and skill in methods of molecular analysis which have made organic chemistry such a powerful intellectual discipline. Course will prepare student for work in advanced topics of organic chemistry, biochemistry, chemical engineering and health related sciences.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0310, 0330; COREQ: CHEM 0340

CHEM 0330 - ORGANIC CHEMISTRY LABORATORY 1

Minimum Credits: 1

Maximum Credits: 1

Chemistry 0330 is devoted to the purification, characterization, and identification of organic molecules using the techniques of recrystallization, distillation, thin-layer, column and gas-liquid chromatography, melting point determination, and infrared and nuclear magnetic resonance spectroscopy.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: CHEM 0310

CHEM 0340 - ORGANIC CHEMISTRY LABORATORY 2

Minimum Credits: 1

Maximum Credits: 1

Chemistry 0340 provides an opportunity to carryout important synthetic reactions discussed in the lecture course along with an introduction to the use of the chemical literature. Reactions are analyzed and products characterized using the skills learned in chemistry 0330.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: CHEM 0320

CHEM 0430 - GENERAL CHEMISTRY 1 LABORATORY

Minimum Credits: 1

Maximum Credits: 1

Laboratory that accompanies CHEM 0110.

Academic Career: Undergraduate

Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

CHEM 0910 - CHEMICAL PRINCPL HEALTH PROFESSN

Minimum Credits: 4

Maximum Credits: 4

This is a one term course covering general and biological chemistry designed primarily for students enrolled in the school of nursing or preparing for health related professions. The course covers aspects of general chemistry including atomic structure and bonding and equilibria. A brief introduction to organic chemistry including physical properties and representative reactions of common functional groups and finally the chemistry of the major classes biomolecules and metabolism.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHEM 0960 - GENERAL CHEM FOR ENGINEERS 1

Minimum Credits: 3

Maximum Credits: 3

Essentially the same as CHEM 0110, but a total of 3 credits only and has no lab. Enrollment limited to school of engineering students.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHEM 0970 - GENERAL CHEM FOR ENGINEERS 2

Minimum Credits: 3

Maximum Credits: 3

Essentially the same as CHEM 0120, but a total of 3 credits only. Has lab, but only two lectures per week in contrast to CHEM 0120, which has 3. Enrollment limited to school of engineering.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0960

CHEM 1035 - INTRODUCTION TO ENVIRONMENTAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

Environmental chemistry is a course that discusses the origin, fate, toxicity and remediation of chemical pollutants in the air, water and soil. In addition green chemistry and the fundamentals of sustainability will be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0320

CHEM 1130 - INORGANIC CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

Modern bonding theories are developed to the level that permits some understanding of the effects of structure and bonding on chemical properties.

Periodic relationships are discussed and applied to selected families of elements. Emphasis is placed on those aspects of structure, bonding and periodic relationships that are helpful in unifying a large body of chemical knowledge. Selected topics of current interest in inorganic chemistry are discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0320

CHEM 1250 - INSTRUMENTAL ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

The basic principles and instrumentation of important methods and their application to analysis and research problems. The coverage includes spectroscopic and electrochemical methods and chromatography. Equilibrium and dynamic aspects of each are considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0250/0260; COREQ: CHEM 1255

CHEM 1255 - INSTRUMENTAL ANALYSIS LAB

Minimum Credits: 1

Maximum Credits: 1

The laboratory component of CHEM 1250. Students will be introduced to state of the art instrumentation being used in contemporary analytical chemistry.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: COREQ: CHEM 1250

CHEM 1275 - INTRODUCTION TO CHEMOMETRICS

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to mathematical and statistical methods and techniques for analysis of data and results generated by various instrumental methods of chemical analysis (e.g., UV-visible, fluorescence, NMR, and FTIR spectrometric methods, gas and liquid chromatographic methods, GC/MS, voltammetric methods), which are capable of producing large amounts of data for multiple samples and analyses in a single experiment. Topics to be covered include review of descriptive statistics, rejection and retention of outlier data, significance testing involving two or more data sets, matrix operations, analyte quantitation via univariate and multivariate calibration (e.g., direct and inverse calibration and quantitation) and regression (e.g., ordinary (OLS), inverse (ILS), and partial least squares (PLS), principal component (pc), and singular value decomposition (SVD) regression) methods, and analyte identification via pattern recognition methods (e.g., principal component analysis (PCA), factor analysis (fa), and singular value decomposition (SVD)). Emphasis will be placed on multivariate systems, and approaches for determination of multiple analyte concentrations in such systems using various chemometric tools. Software such as Microsoft excel' and Matlab will be used extensively for analysis of large and small amounts of analytical data. The assessments for this course will be take-away assignments to be completed independently by the students.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0250

CHEM 1308 - ENVIRONMENTAL CHEMISTRY

Minimum Credits: 4

Maximum Credits: 4

A comprehensive overview of the chemistry of water with accent on aqueous environmental problems which include cost, increased energy consumption, national sacrifices, and the benefits of environmental quality.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHEM 1311 - ADVANCED ORGANIC CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

Advanced organic chemistry will cover several advanced topics of organic chemistry including: named organic reactions, other advanced reactions including stereoselective and stereospecific reactions, cycloaddition reactions, sigmatropic rearrangements, and organometallic reactions; mechanisms, synthetic applications, a detailed study of reactive intermediates, equilibria, and through the study of all of these topics, the principles of physical chemistry will be applied to the product distribution of organic reactions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0320/0340

CHEM 1330 - MEDICINAL CHEMISTRY

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 0180/0080; CHEM 0310/0330; CHEM 0320/0340

CHEM 1380 - TECHNIQUES OF ORGANIC RESEARCH

Minimum Credits: 2

Maximum Credits: 2

A course which serves as a guide to the interpretation of ultraviolet, infrared, nuclear magnetic resonance and mass spectra of organic compounds.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0320

CHEM 1410 - PHYSICAL CHEMISTRY 1

Minimum Credits: 3

Maximum Credits: 3

Basic lecture course dealing with quantum theory, atomic and molecular structure, symmetry, spectroscopy and diffraction methods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 0320/0340 and MATH 0240

CHEM 1420 - PHYSICAL CHEMISTRY 2

Minimum Credits: 3

Maximum Credits: 3

Basic lecture course dealing with gases, kinetic theory, chemical thermodynamics, equilibria, and chemical kinetics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 1410

CHEM 1430 - PHYSICAL CHEMISTRY LABORATORY 1

Minimum Credits: 1

Maximum Credits: 1

Approximately 8 experiments are performed during the term. Experiments are selected to illustrate important principles of physical chemistry and to make the student familiar with important experimental methods. The course is intended to make the student think critically about reliability of experimental results and to attempt to interpret them in the light of his previous chemical experience.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 1410; CREQ: CHEM 1420

CHEM 1461 - MOLECULAR MODELING

Minimum Credits: 3

Maximum Credits: 3

This course will provide a basic understanding of various methods used in molecular modeling computer programs and provide hands-on experience with several modeling programs. Background theory for various methods, including ab initio, semi-empirical, and molecular mechanics, will be discussed, and the techniques will then be used to examine chemical systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHEM 1410

CHEM 1700 - UNDERGRADUATE RESEARCH SEMINAR

Minimum Credits: 1

Maximum Credits: 1

Seminar given by faculty on undergraduate research opportunities in chemistry. Open to all students regardless of departmental affiliation, but is designed especially to help those students who may take chemistry 1710 in their selection of a research project.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

CHEM 1702 - UNDERGRADUATE RESEARCH WRITING

Minimum Credits: 3

Maximum Credits: 3

Seminar given by faculty on Undergraduate research opportunities in chemistry which will include a major research paper.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

CHEM 1710 - UNDERGRADUATE RESEARCH

Minimum Credits: 1

Maximum Credits: 6

This is an elective course where a research project is carried out under the direction of a member of the chemistry faculty. It is for the serious student who wishes to expand his scholarly interests. Approximately four hours research per week per credit; usually no more than three credits per term.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

CHEM 1720 - UNDERGRAD TEACHING EXPERIENCE

Minimum Credits: 1

Maximum Credits: 4

Students can gain teaching experience by serving as instructors in one of the undergraduate chemistry lab courses.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

CHEM 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 6

Directed study in a specific area of chemistry to enhance preparation for undergraduate research.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

CHEM 1950 - CHEMISTRY LAB INTERNSHIP 1

Minimum Credits: 1

Maximum Credits: 3

Internship opportunities in chemistry lab.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

CHEM 1951 - CHEMISTRY LAB INTERNSHIP 2

Minimum Credits: 1

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

CHEM 1952 - ANALYTICAL LABORATORY INTERNSHIP

Minimum Credits: 1

Maximum Credits: 2

This course will provide the student with an opportunity to gain teaching experience in the analytical chemistry laboratory.

Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis

CHIN 0011 - FIRST YEAR READING

Minimum Credits: 2

Maximum Credits: 2

This course is taught in conjunction with Chinese 0001, first year spoken and provides training in writing Chinese. The student is introduced to the Chinese script in both traditional and simplified forms of the characters as well as regular reading assignments which parallel the development of oral skills.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHIN 0021 - FIRST YEAR CHINESE LEVEL 1

Minimum Credits: 5

Maximum Credits: 5

This beginning course in Chinese language and culture is intended for students with little or no experience in Chinese. Students will develop basic oral and written proficiency and an understanding of the basics of Chinese language and culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CHIN 0022 - FIRST YEAR CHINESE LEVEL 2

Minimum Credits: 5

Maximum Credits: 5

This course is the second semester of first-year Chinese with a continued emphasis on basic oral and written proficiency. Students will learn to converse in limited daily life situations and write short paragraphs on personal topics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHIN 0021

CHIN 0031 - SECOND YEAR CHINESE LEVEL 1

Minimum Credits: 5

Maximum Credits: 5

This course aims to enhance speaking, reading and writing skills in Chinese beyond the first-year level. Students will learn to converse on a wider range of personal topics with some sophistication, to read and understand texts and relevant cultural material and write short narrative paragraphs with proper discourse connectors.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHIN 0022

CHIN 0032 - SECOND YEAR CHINESE LEVEL 2

Minimum Credits: 5

Maximum Credits: 5

This continues the tasks from the first semester of second-year Chinese of practicing speaking, reading and writing skills with more challenging situations and texts. Students will be able to converse about some non-personal topics, read a wider range of texts, and write longer paragraphs with discourse connectors and idiomatic expressions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHIN 0031

CHIN 0041 - THIRD YEAR CHINESE LEVEL 1

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHIN 0032

CHIN 0042 - THIRD YEAR CHINESE LEVEL 2

Minimum Credits: 3

Maximum Credits: 3

This course continues to build proficiency in speaking, oral comprehension, reading and writing, with emphasis upon vocabulary expansion, attention to a broadening array of daily life contexts, and continuing exposure to Chinese culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CHIN 0041

CLASS 0010 - GREEK CIVILIZATION

Minimum Credits: 3

Maximum Credits: 3

A general introduction to the culture and society of Ancient Greece, with emphasis on the Archaic Period and the fifth and fourth centuries B.C.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CLASS 0020 - ROMAN CIVILIZATION

Minimum Credits: 3

Maximum Credits: 3

A general introduction to the culture and society of the Roman world, with emphasis on the period of the republic and the early empire.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CLASS 0030 - MYTHOLOGY IN THE ANCIENT WORLD

Minimum Credits: 3

Maximum Credits: 3

This course examines in cultural context the traditional stories--myth, legend, and folktale--of the ancient Greeks and Romans. Theories drawn from various disciplines are critically evaluated. Attention to connections with ritual practice and to expression in daily life, art, architecture, etc.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CLASS 0100 - MASTERPIECES GREEK AND ROMAN LITERATURE

Minimum Credits: 3

Maximum Credits: 3

An introduction to the critical analysis of literary works through the medium of selected masterpieces of Greek and Roman literature in English translation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CLASS 1130 - CLASSICAL MYTHOLOGY AND LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course examines how authors of classical antiquity used the traditional figures and stories of their culture's mythology as material for works of literature.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CLASS 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 9

In this course a student undertakes independent study in the field of classical civilization in consultation with a member of the faculty.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

CLASS 1902 - DIRECTED STUDY FOR UNDERGRADS

Minimum Credits: 1

Maximum Credits: 9

In this course a student undertakes directed study in the field of classical civilization under the close guidance of a member of the faculty.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

COMMRC 0005 - INTERVIEWING AND INFORMATION GATHERING

Minimum Credits: 3

Maximum Credits: 3

Students are introduced to the fundamental principles of interviewing, including the interpersonal communication process, the structure of an

interview, interview preparation, techniques for giving and receiving information, and methods of translating the data they collect during an interview. Common types of interviews (informational, employment, performance, counseling, and persuasive) will be covered to prepare students for a lifetime as interviewers and interviewees.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0083 - INTERCULTURAL COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

An analysis of various foreign cultures and U.S. Subcultures focusing on communication behavior. Attitudes held by each group and problems which may arise in exchange of ideas between groups are studied.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

COMMRC 0310 - RHETORICAL PROCESS

Minimum Credits: 3

Maximum Credits: 3

This is an introductory course designed to give students a sense of the role rhetoric plays in the construction of our social, political, and cultural worlds, and to introduce students to traditional and contemporary approaches to the analysis of rhetorical discourse. Students will prepare a series of short performances for presentation in the recitation sections.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC major or Instructor's Consent

COMMRC 0320 - MASS COMMUNICATION PROCESS

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the basic concepts of mass communication research and to the history and development of various media (TV., Radio, newspapers, magazines, etc.).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0330 - CULTURAL STUDIES AND COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

This course provides an introduction to the interdisciplinary and disciplinary theories that inform a great deal of scholarship in communication. Specifically, we will study the roles that social, institutional, and cultural forces play in shaping the ways we live and interact.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0500 - ARGUMENT

Minimum Credits: 3

Maximum Credits: 3

This course is designed to acquaint students with fundamental principles of argumentation through the use of elementary debating techniques and strategies. Students will participate in several in-class debates on a question of policy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0510 - DEBATE

Minimum Credits: 3

Maximum Credits: 3

This course offers academic credit for preparation for, and participation in, intercollegiate debate.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0520 - PUBLIC SPEAKING

Minimum Credits: 3

Maximum Credits: 3

This course is designed to help students develop increased skill in public speaking by means of theory and practice. This course covers research, organization, style, delivery, and criticism of informative, deliberative, and ceremonial speeches.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0530 - INTERPERSONAL COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to introduce students to theories and models of human communication in the face-to-face communication context. Focus of learning is on skill development; lecture, discussion, and practice of communication skills are used to facilitate student learning.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0540 - DISCUSSION

Minimum Credits: 3

Maximum Credits: 3

This course is designed to increase skills in critical thinking, decision making, and small group discussion. Students are introduced to theories of group process and practice step-by-step group problem solving related to contemporary issues.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 0570 - INDEPENDENT FILM

Minimum Credits: 3

Maximum Credits: 3

This course examines the origins of film (before there were studios, when everyone was an indie filmmaker), early independent producers such as united artists, and later avant-garde directors working outside the mainstream studio system. We will focus on directors, films, and movements while examining key Indie films from the US and abroad. As part of their course work, students will produce either a significant research project on a film or filmmaker, or create, with a production team, a short independent film of their own.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320 or ENGCMPT 0020

COMMRC 1012 - DIGITAL STORYTELLING 1

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the history and transformative power of digital technologies and to how these technologies influence the ways we create and share stories today. We will explore the ways technology helps us tell stories through new and emerging narrative forms, including blogs, podcasts, photo/sensory essays, and other combinations of audio and video forms. We will study methods digital storytellers use to connect with audiences in unique and intimate ways, and students will create their own stories with specific audiences in mind. Students will practice storytelling using a variety of digital mediums and will construct their own digital storytelling portfolios to showcase their work.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMPT 0020, (ENGWRT 0550 or COMMRC 0320)

COMMRC 1020 - DIGITAL MEDIA STUDIES

Minimum Credits: 3

Maximum Credits: 3

In an increasingly technologized world, it can be tempting to view technologies as the driving forces of social, political, and cultural change. Media theorist, Marshall McLuhan even said famously that 'the medium is the message,' meaning that how we receive communication messages inform our interpretations of those messages deeply. Such 'technological determinism' sees history as related closely with invention. In digital media studies we will examine the historical and technological developments that have altered communication in contemporary time. But we will also consider the many ways that technological artifacts reflect beliefs, values, assumptions, and conflicts of the societies in which they are created and used. In doing so we aim to achieve both analytic and appreciative understanding of the digital media that propagate modern communication. We will look historically at technologies as forces of influence, opportunity, division, and constraint. We will study digital media with critical and constructive lenses. We will produce digital artifacts of our own by using existing web-based tools with a goal of becoming creators in addition to consumers of digital media.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320

COMMRC 1021 - THE STUDIO: VIDEO PRODUCTIONS

Minimum Credits: 3

Maximum Credits: 3

In this course students will gain knowledge, skills, and experience in creating media for a variety of formats and projects. Students will learn how to use HD cameras and advanced HD production techniques. Students will review and organize camera footage, interpret and write scripts, create storyboards, and mix audio and video with professional non-linear editing software. Students will work individually and in groups to complete a variety of video production projects for on-campus departments and groups and for community partners. Students will gain experience in all phases, from pre-production meetings with clients and developing projects, to planning and shooting on locations, to editing footage using professional nonlinear video editing software, and through the post-production process to complete media productions for a range of offline and online uses and formats. These completed projects will then be utilized by our clients and will provide students with a range of video productions for their professional portfolios. Course to be offered fall and spring semesters.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: COMMRC 1012

COMMRC 1022 - DIGITAL STORYTELLING 2

Minimum Credits: 3

Maximum Credits: 3

Digital Storytelling 2 is the advanced-level, follow-up course to Digital Storytelling 1. In this course, students will refine and advance the skills they acquired in ds 1 and use those skills to produce an in-depth personal digital narrative or immersion project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 1012

COMMRC 1030 - RESEARCH METHODS IN COMMUNICATION STUDIES

Minimum Credits: 3

Maximum Credits: 3

A survey of methods used in contemporary communication research, spanning qualitative, quantitative, and critical approaches. Through the study and practice of the research process, students will learn to evaluate data, hypotheses, and conclusions produced by others in addition to gaining firsthand research experience.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMPT 0020 and (COMMRC 0310 or COMMRC 0320)

COMMRC 1035 - VISUAL RHETORIC

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to encourage students to explore the rhetorical nature of images and the increasing visualization of communication and of contemporary culture. Students will acquire knowledge of leading methodologies used to analyze a variety of visual texts including photography, advertising, television, film, and digital and online video sources. Students will conduct research and develop their creative and critical abilities through analyses and development of original projects that engage the rhetorical nature of images as carriers of diverse messages.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMPT 0020

COMMRC 1040 - COMMUNICATING GENDER IN FILM

Minimum Credits: 3

Maximum Credits: 3

This course examines representations of gender in cinema. Students will consider the continuum of gendered identities; masculine and feminine, and the history of gendered roles and expectations as they have shifted over time in conjunction with popular culture. We will explore gendered representations as potential sites of influence that attempt to reflect and reiterate gender norms within the broader scope of social mores and attitudes. Two central aims of this course are to foster critical reading and thinking about gender identities as they function within increasingly mediated venues for communication. Of equal value, we will investigate the ways in which individuals have resisted institutional or social norms, striving to push for progression and change.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: COMMRC 0320

COMMRC 1101 - EVIDENCE

Minimum Credits: 3

Maximum Credits: 3

This course examines the nature and structure of evidence and reason-giving in everyday discourse. Students develop critical skills in evaluating argument and reasoning by examining the evidential requirements of argument in specific rhetorical contexts; science, philosophy, and politics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0310

COMMRC 1102 - ORGANIZATIONAL COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

Students in this course are provided with an overview of the relationship between communication and organizing processes. The course emphasizes theories, principles, and concepts of organizational communication. Students learn to analyze the communication which occurs in organizations to recognize sources of communication breakdown and develop an awareness of strategies for prevention and/or resolution of communication on breakdown.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0300

COMMRC 1103 - RHETORIC AND CULTURE

Minimum Credits: 3

Maximum Credits: 3

This course explores the constitutive role that rhetoric plays in the formation of culture. Cultural texts and events will be examined both as reflecting and signifying practices. The course focuses on rhetoric's relation to ideology, power, and desire, as well as to class formations and sexual divisions. Selecting two of the above perspectives, students will examine how cultural practices constitute and are constituted by rhetoric.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 1105 - TELEVISION AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course explores the relationship between television and society. It familiarizes students with the history of the broadcast industry along with related legal, political, and economic issues. The course focuses on analyzing various television programs as constitutive of and constituted by social relations (class, gender, and race).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320

COMMRC 1108 - COMMUNICATION IN A TECHNICAL ORGANIZATION

Minimum Credits: 3

Maximum Credits: 3

Communication is central to all types of organizations, but can take on greater significance in a scientific or technologically focused work place. Communication can enable organizational members to persuade, motivate, manipulate, insult, lead, facilitate, and it may enhance or undermine relationships. Communication is also central to organizational processes such as decision-making, teamwork, turnover, the diffusion of innovations, and member loyalty. The purpose of this course is to augment and enhance students' understanding of the relationship between communication and organizations (e.g. for-profit companies, political parties, voluntary associations, and non-profit groups). This course will provide students with an opportunity to 1) think critically about the benefits and disadvantages of different modes of communication (face-to-face verses computer mediated, for example); 2) practice common communication skills such as conducting a meeting, memo writing, interviewing, and job performance reviews; and 3) explore different styles of decision-making and teamwork within a technical organization (nasa and bayer will be featured in several case studies). Student evaluations will take the form of interviews, presentations, written responses to case studies, and a final 8-10 page evaluation and presentation of a specific communication "event" within the student's organization.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 1111 - THEORIES OF PERSUASION

Minimum Credits: 3

Maximum Credits: 3

This course surveys theories of persuasion that have been articulated during the twentieth century. It seeks to compare and contrast research about how the spoken word and the visual image influence public belief and action.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0310 or COMMRC 1124

COMMRC 1114 - FREEDOM OF SPEECH AND PRESS

Minimum Credits: 3

Maximum Credits: 3

The purpose of the course is to provide students with a critical understanding of the historical themes and contemporary issues involved in the debate over free speech. This course examines philosophies of expression from Plato through the most recent supreme court decisions. Study focuses on cases, major doctrines, and competing interpretations of the first amendment to explore the freedoms and limits of individual expression and regulation of communication industries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320

COMMRC 1127 - IMAGE RESTORATION IN THE MEDIA

Minimum Credits: 3

Maximum Credits: 3

The central focus of this course is that human beings often participate in communicative behavior designed to reduce, redress or avoid damage to their reputation from perceived wrong-doing. This course is designed to analyze theory and research on image restoration discourse. It will include analysis of persuasive attack and defense strategies used in the media, such as that seen in television and print advertising, political campaigns, and various other mediated communication events.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0310

COMMRC 1129 - ENVIRONMENTAL RHETORIC

Minimum Credits: 3

Maximum Credits: 3

This course is designed to analyze discourse on the environment, from advertising campaigns and political viewpoints, to corporate policies and environmental/social movements. It will analyze theory and research in environmental rhetoric, with an emphasis on environmental communication studies found in academic journals in the field. Students will examine current environmental issues of importance found in television/print/electronic media and analyze the discourse from a rhetorical perspective.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0310

COMMRC 1146 - INTERCULTURAL COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

This course explores the constitutive role that rhetoric plays in the formation of culture. Cultural texts and events will be examined both as reflecting and signifying practices. The course focuses on rhetoric's relation to ideology, power, and desire, as well as to class formations and sexual divisions. Selecting two of the above perspectives, students will examine how cultural practices constitute and are constituted by rhetoric.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 1152 - DIGITAL AND PROFESSIONAL COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

IN THIS COURSE, FORMERLY KNOWN AS ORGANIZATIONAL COMMUNICATION, WE WILL STUDY ORGANIZATIONAL CULTURE, WRITTEN PROFESSIONAL COMMUNICATION, AND DIGITAL PROFESSIONAL COMMUNICATION. COMMUNICATION IS ESSENTIAL TO BUSINESS, NONPROFIT, AND GOVERNMENT SECTORS. WE WILL EXAMINE STRATEGIES FOR COMMUNICATION WITHIN EACH SECTOR WHILE HONING THE PRACTICAL MARKETPLACE SKILLS NECESSARY TO SECURING EMPLOYMENT AND MAINTAINING/ADVANCING YOUR CAREER.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320

COMMRC 1153 - RHETORIC AND PUBLIC POLICY

Minimum Credits: 3

Maximum Credits: 3

Policy planners, decision-makers, and policy analysts often do their work in public, deliberative discourse, which rhetoricians have been modeling and analyzing at least since ancient Greece. In this course, students will develop a rhetorical perspective to analyze the features of the policy process, including problem selection, organizational identity, administrative strategy, public access and participation, and public relations. Participation in discussions, short in-class writings, and longer papers will help students to understand the rhetorical construction of policies, the role of expertise and authority (ethos) in the policy process, and the decision-making process.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; COMMRC 0310 or COMMRC 0320

COMMRC 1154 - THE RHETORIC OF SOCIAL MOVEMENTS AND CYBER-PROTEST

Minimum Credits: 3

Maximum Credits: 3

Through active reading, writing, participation in discussions, and analysis of messages (speeches, posters, advertisements, slogans, blogs, websites, movies) students will be introduced to theory and research pertaining to persuasion, organized social advocacy and protest. Students will engage in critical thinking exercises while applying what they have learned in their studies of mass communication, rhetorical process, and persuasion to the analysis of messages published by historic and current social movements.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

COMMRC 1155 - THE HISTORY OF RHETORIC IN AMERICAN ADVERTISING

Minimum Credits: 3

Maximum Credits: 3

This course examines the history of strategic persuasion in American advertisements of the twentieth century. By studying the evolution of visual and rhetorical methods used in ads, students will gain theoretical and historical understanding of both the industry and the cultural contexts in which campaigns ran. We will review the many iconic and enduring ad slogans, images, logos, and jingles of twentieth century America, evaluating their purpose, their intended audience, and their rhetorical style.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0310 and COMMRC 0320

COMMRC 1180 - HISTORY AND RHETORIC OF FILM GENRES

Minimum Credits: 3

Maximum Credits: 3

Introduce students to the historical, rhetorical, aesthetic, and commercial dimensions and traditions of Hollywood film genres. A wide variety of film genres will be addressed potentially including comedy, satire, romance, thriller, musical, horror, science fiction, war, and film noir. The course will examine the historical development, changing conventions, iconography, and mythology present within these various Hollywood film genres. The course will also enable students to investigate the rhetorical implications of how artistic and commercial interests converge to reflect, comment upon, and influence American popular culture and society through the stories of a diverse range of classic and contemporary Hollywood genre films.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; COMMRC 0320

COMMRC 1220 - PUBLIC RELATIONS STRATEGY AND PRACTICES

Minimum Credits: 3

Maximum Credits: 3

This course will examine and critically analyze real-world public relations problems, cases and programs. It will concentrate on the four audiences of public relations (employees, communities, consumers and investors) and the four components (media relations, public issues, crisis management and ethics). The course will focus on the four- step process used in implementing public relations programs that include research, planning, implementation and evaluation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0320; ENGCOMP 0020

COMMRC 1310 - ADVERTISING STRATEGY AND PRACTICES

Minimum Credits: 3

Maximum Credits: 3

In recent years, new technology has created a world where the consumer is continually bombarded with advertising messages. This course will examine the issues that advertising practitioners face and look at ways to break through today's advertising clutter and help make a product or service stand out from the competition. The course will focus on ways to create strategic advertising plans that are implemented with sound creative concepts and efficient media buys; and then evaluated for their effectiveness.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREREQ: COMMRC 0320 or COMMRC 1210

COMMRC 1410 - FILM AND PROPAGANDA

Minimum Credits: 3

Maximum Credits: 3

Students will gain knowledge of film history and theory as well as the rhetoric and philosophy of propaganda to provide a background for analysis. Students will analyze a variety of films from various film genres through essays, examinations, and critical/creative projects that will address how film functions as a major form of propaganda and social influence upon public opinion in past and contemporary society and debate.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Completion of at least one 1000 COMMRC level course

COMMRC 1520 - ADVANCED PUBLIC SPEAKING

Minimum Credits: 3

Maximum Credits: 3

This course teaches students advanced skills needed in the preparation, delivery, and evaluation of formal public address. Advanced public speaking extends what was learned in the introductory public speaking course by examining more advanced theories and strategies of public address, critically evaluating public discourse in a variety of settings and sharpening the extemporaneous delivery skills of the student.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0520

COMMRC 1730 - SPECIAL TOPICS IN COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

This course covers a specialized topic in communication. Topics vary every semester.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: COMMRC 0300 and ENGCOMP 0020

COMMRC 1731 - SPECIAL TOPICS IN RHETORIC

Minimum Credits: 3

Maximum Credits: 3

This course covers a specialized topic in rhetoric. Topics vary every semester.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ENGCOMP 0020 and COMMRC 0310

COMMRC 1732 - SPECIAL TOPICS IN MASS COMMUNICATION

Minimum Credits: 3
Maximum Credits: 3
This course covers a specialized topic in mass communication. Topics vary every semester.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ENGCOMP 0020 or 0200 or 0006 and COMMRC 0320

COMMRC 1900 - COMMUNICATION INTERNSHIP

Minimum Credits: 1
Maximum Credits: 3
Internships provide practical work experience related to the student's course of study.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: Satisfactory/No Credit

COMMRC 1901 - INDEPENDENT STUDY

Minimum Credits: 1
Maximum Credits: 3
Independent study is a program of academic reading and research taken under the direction of a faculty sponsor.
Academic Career: Undergraduate
Course Component: Independent Study
Grade Component: LG/SNC Elective Basis

COMMRC 1950 - COMMUNICATION CAPSTONE

Minimum Credits: 3
Maximum Credits: 3
This course focuses on research in communication. After a brief introduction of basic concepts, selected methodologies will be examined. Students will engage in individual research projects, utilizing one of these methodologies. Students will submit a written report as well as give a public oral presentation of their original research.
Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: LG/SNC Elective Basis
Course Requirements: LVL: Senior

CS 0004 - INTRODUCTION TO COMPUTER PROGRAMMING-BASIC

Minimum Credits: 3
Maximum Credits: 3
This is a first course in computer science. It is designed to be of special interest to students majoring in one of the social sciences or humanities. Objectives of this course include use of the computer in an interactive environment; problem analysis and the development of algorithms; learning

the basic language; designing; coding; and documenting programs using techniques of good programming style.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0085 - PC SOFTWARE FOR BUSINESS

Minimum Credits: 3

Maximum Credits: 3

An introductory level course in pc software commonly used in business environments. Designed for students in the humanities and social sciences with applications of particular interest to management and accounting majors. The principal applications will be word processing, electronic spreadsheets and database management.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0098 - DECISION MAKING WITH EXCEL

Minimum Credits: 3

Maximum Credits: 3

This course starts with an introduction to the use of spreadsheets and then builds on that foundation to develop proficiency in the use of spreadsheets for statistical and other analytic techniques in support of decision making.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0131 - SOFTWARE FOR PERSONAL COMPUTING

Minimum Credits: 3

Maximum Credits: 3

An intermediate-level course in computer science for students majoring in areas other than computer science. Objectives include a non-technical study of the windows NT operating system; development of applications using software selected from the principal areas of applications for personal computing. These include word-processing (MS Word), spreadsheets (MS Excel), and relational databases (MS Access).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0134 - WEB SITE DESIGN AND DEVELOPMENT

Minimum Credits: 3

Maximum Credits: 3

This course will provide a basic understanding of the methods and techniques of developing a simple to moderately complex web site. Using the current standard web page language, students will be instructed on creating and maintaining a simple web site. After the foundation language has been established, the aid of an internet editor will be introduced. A second web-based language will be included to further enhance the web sites.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0145 - INTRODUCTION TO DIGITAL IMAGING

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the tools of digital imaging. It is broken into four major parts that will offer students a foundation for incorporating digital tools into their artistic photo process as well as emphasize the unique opportunities of medium. Projects will support a critical examination of digital tools and provide a historical context. Foundations will have students experiment with a digital camera and a limited set of editing tools in Photoshop. Scanning and printing will also be explored. Process in digital imaging shows that digital media can be thought of not only as the software, hardware, and networks we utilize but also as the computational logic that underlies and structures these tools. New platforms for photography will be discussed as well as the concepts of compression and extraction.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0146 - INTRODUCTION TO DIGITAL VIDEO

Minimum Credits: 3

Maximum Credits: 3

This hands-on introductory course will introduce students to the tools associated with the creation of digital videos. This course will address the concepts, issues, and practices associated with creating effective, custom videos. Included in the course topics are: storyboard development, camera and lighting techniques, digital video editing, audio recording and editing, graphics creation, and production management. Students will learn how shots work together, how to write compelling scripts, and how to use audio for best effect. The class will also have hands-on instruction in editing techniques using adobe premium 10. There will be individual and small group projects.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0401 - INTERMEDIATE PROGRAMMING USING JAVA

Minimum Credits: 4

Maximum Credits: 4

This course is a rigorous introduction to the fundamental concepts and techniques of computer programming using the java programming language. This is a first course for students who intend to major in computer science.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 0405 - PROGRAMMING USING PYTHON

Minimum Credits: 3

Maximum Credits: 3

This course is designed as a first class in computer programming for students from any major who wish to learn the fundamentals of coding. The focus of the course is on problem analysis, algorithm development and the use of tools for creating and testing Python programs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: MATH 0031

CS 0421 - PROGRAMMING USING JAVA

Minimum Credits: 3

Maximum Credits: 3

An introductory course in computer programming designed for students in computer-related majors. The emphasis is on structured techniques for problem analysis and algorithm development in an object-oriented paradigm.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: MATH 0020 or MATH 0031

CS 0422 - ADVANCED PROGRAMMING USING JAVA

Minimum Credits: 3

Maximum Credits: 3

A second course in computer programming designed for students in computer-related majors. The emphasis is on advanced programming techniques in an object-oriented paradigm.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0421

CS 0441 - DISCRETE STRUCTURES FOR CS

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to understand and use (abstract) discrete structures that are backbones of computer science. In particular, this class is meant to introduce logic, proofs, sets, relations, functions, counting, and probability, with an emphasis on applications in computer science.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0200 or MATH 0220 or MATH 0230

CS 0445 - DATA STRUCTURES

Minimum Credits: 3

Maximum Credits: 3

This course emphasizes the study of the basic data structures of computer science (stacks, queues, trees, lists) and their implementations using the java language included in this study are programming techniques which use recursion, reference variables, and dynamic memory allocation. Students in this course are also introduced to various searching and sorting methods and also expected to develop an intuitive understanding of the complexity of these algorithms.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0401 or CS 0422

CS 0447 - COMPUTER ORGANIZATION AND ASSEMBLY LANGUAGE

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to study the components of computing systems common to most computer architectures. In particular, this class is meant to introduce data representation, types of processors, memory types and hierarchy, and device drivers. The students will learn MIPS assembly language, the design of arithmetic and logic units, and basic designs for RISC processors.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0401 or CS 0422

CS 0449 - INTRODUCTION TO SYSTEMS SOFTWARE

Minimum Credits: 3

Maximum Credits: 3

This course covers topics related to the interface of hardware and software. It covers device interfaces and hardware synchronization at the lowest level of the operating system, the linkage of operating system services to application software, and the fundamental mechanisms for computer communications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CS 1501 - ALGORITHM IMPLEMENTATION

Minimum Credits: 3

Maximum Credits: 3

The course covers a broad range of the most commonly used algorithms: some examples include algorithms for sorting, searching, encryption, compression, and local search. The students will implement and test several algorithms. The course is programming intensive.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0441, CS 0445, CS 0447, and MATH 0220

CS 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 3

This course is designed to give students the opportunity to design a plan of study to be agreed upon by the student and a supervising faculty member. This course does not satisfy the computer science capstone requirement.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

CS 1950 - DIRECTED RESEARCH

Minimum Credits: 1

Maximum Credits: 3

This course is designed to give students the opportunity to design a plan of study to be agreed upon by the student and a supervising faculty member.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

CJ 0002 - CRIME, LAW, AND PUBLIC POLICY

Minimum Credits: 3

Maximum Credits: 3

An introduction to crime, criminal law, the administration of justice process, and public policy as it pertains to crime and justice. This is a prerequisite for all required administration of justice courses, but has also been developed as a survey for non-ADMJ majors. Subject matter includes an introduction to the study of crime, a description of the sources, purpose, and application of the criminal law, and an examination of the interplay of politics, the problem of crime, and the implementation of public policies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CJ 0110 - CRIMINOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course involves the scientific study of crime. Subject matter includes the measurement and dimensions of crime, a comprehensive examination of prominent biological, psychological, and sociological theories, an overview of some prominent contemporary issues in criminology, and a description of the structure and function of the criminal justice system.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 0130 - CORRECTIONAL PHILOSOPHY: THEORY AND PRACTICES

Minimum Credits: 3

Maximum Credits: 3

This course will introduce the history and philosophy of corrections. Included is the evolution of institutional and correctional practices, and the contemporary approach including new strategies as alternatives to incarceration.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 0145 - DRUGS AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course examines the social implications of the use and abuse of psychoactive substances. Drawing on sociological, psychological, historical, and pharmacological research, questions about individual motivations and consequences, social problems, political and economic issues, and public policy will be explored. The primary focus will be on the United States, but the larger global context will also be considered

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CJ 0210 - AMERICAN SYSTEM OF CRIMINAL JUSTICE

Minimum Credits: 3

Maximum Credits: 3

This course examines the structure and function of the American criminal justice system. Subject matter involves an examination of criminal procedure as it has been established by the U.S. Constitution, state constitutions, and judicial interpretations. Case law and the manner in which case law shapes the work activities of criminal justice professionals are emphasized. Critical issues in the administration of justice are also examined (alternatives to incarceration, victims' rights, and others).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 0365 - MORAL PHILOSOPHY AND THE LAW

Minimum Credits: 3

Maximum Credits: 3

An exploration of moral perspectives on the law via an examination of such questions as the following: does law have a moral basis or justification? Is there a moral duty to obey the law? Are there objective standards of conduct that are morally binding on everyone? Is it morally proper to use the law in an attempt to coerce moral behavior?

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CJ 0400 - ISSUES IN ETHICS IN CRIMINAL JUSTICE

Minimum Credits: 3

Maximum Credits: 3

This course is in applied ethics in the field of criminal justice. This course explains the criteria necessary for an ethical issue as well as a discussion of ethical systems. The class focuses on ethics for police, courtroom personnel, and correctional officers as it applies to their day to day operations, as well as an emphasis on ethical issues unique to the criminal justice community.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1050 - COMPARATIVE CRIMINOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to a global, comparative approach to the study of common law and civil law criminal justice systems and their respective legal traditions (Westernized, Islamic, ancient, socialist, public, private, constitutional, etc.). The course surveys global criminal issues such as the spread of transnational crimes like human, weapon and drug trafficking, terrorism, corporate fraud, war crimes violations and global organized crime. The course examines the organic criminal justice problems various nations face (politically, economically, religiously, socially, historically and geographically) in processing crime, as well as how these same nations respond differentially to problems shared around the globe.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1110 - VIOLENT CRIME

Minimum Credits: 3

Maximum Credits: 3

This course will adopt a multi-disciplinary approach in examining the causes and consequences of violent behavior. We will study major theories of violent crime causation, and the relationship between the media, public perception, and public policy. Special topics will include serial murder, mass rape, genocide, domestic violence, and the violence perpetrated by street gangs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1116 - ORGANIZED CRIME

Minimum Credits: 3

Maximum Credits: 3

This course will examine the historical evolution of organized criminal groups in the United States and the influence that foreign criminal cartels

have had on American factions. Attention will be paid to the response by law enforcement to this criminal phenomenon, to include the passing of specific statutes to address this criminal behavior.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1120 - COMMUNITY POLICING AND PROBLEM SOLVING

Minimum Credits: 3

Maximum Credits: 3

Explores the nature of relationships between police and various communities in American society as well as problems produced by those relationships. General understanding of structure, function, and operation of small, medium, and large police departments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1125 - HISTORY AND PHILOSOPHY OF LAW ENFORCEMENT

Minimum Credits: 3

Maximum Credits: 3

Introduces various historical and philosophical approaches to law enforcement. Explores origins of policing, philosophical position on nature of law enforcement and its justification, comparisons of various types of policing in different historical epochs, and emergence of bureaucratized urban force.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1126 - RESTORATIVE JUSTICE

Minimum Credits: 3

Maximum Credits: 3

Examines the restorative justice model as a viable form of alternative dispute resolution. Restorative justice will be compared and contrasted with the concepts and practices of the traditional justice system including the police, courts, and corrections. Students will also be introduced to the model of balanced and restorative justice (BARJ) that is utilized within the juvenile justice system in Pennsylvania. The history, theory, and evaluation research surrounding the restorative justice process will also be examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1130 - MINORITY ISSUES IN CRIMINAL JUSTICE

Minimum Credits: 3

Maximum Credits: 3

This course presents an intense examination of how law and the criminal justice process impact minorities in general and the African-American community in particular. Students are familiarized with pertinent theories and issues, including the historic roles of law and legal institutions in the black community, and employment of blacks in law and criminal justice.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1135 - CRIMINAL INVESTIGATION

Minimum Credits: 3

Maximum Credits: 3

This course will introduce the students to the field of investigations and serve as the foundation for criminal forensics. Topics will include principles of interviewing and interrogations, eyewitness identification of persons and things and analysis of crime scenes. An overview of the processes involved in the use of evidence and the challenges they face in the court system. Significant court decisions will be summarized.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1138 - CRIMINAL JUSTICE ETHICS

Minimum Credits: 3

Maximum Credits: 3

This course examines the ethical dilemmas and questions that arise in policing, corrections and the judiciary. Various philosophical perspectives will be discussed and applied via practical case studies. Additionally, students will explore how the criminal justice system addresses competing interests in various ethical scenarios; the legal impact of certain types of ethical misconduct; and how the criminal justice system attempts to prevent and address ethical misconduct.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1148 - DELINQUENCY AND JUVENILE JUSTICE

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to understand the nature of juvenile delinquency and the treatment of juveniles within the juvenile justice system. The course defines the term, juvenile delinquency, provides overview of theories of delinquency, as well as risk factors for delinquent behavior. It traces the history of the juvenile justice system and provides an overview of the various dispositions for adjudicated youth. Critical supreme court cases, involving juvenile offenders are also considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1154 - PROBATION AND PAROLE

Minimum Credits: 3

Maximum Credits: 3

Explores the nature of probation and parole, and strategies for effective use. The course examines the structure and operation of probation services, and impact of probation and parole upon the criminal justice system and larger society.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1155 - CRITICAL ISSUES IN CONTEMPORARY LAW ENFORCEMENT

Minimum Credits: 3

Maximum Credits: 3

Analysis of contemporary issues related to policies, goals, and procedures of all law enforcement agencies. Discussion of federal assistance to law enforcement, changing roles of police, police-court controversy, and future trends in criminal justice.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1198 - INTERNSHIP

Minimum Credits: 3

Maximum Credits: 3

Internship in criminal justice

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Senior; (CJ 0002 or SOC 0020), and CJ 0110, CJ 0210, CJ 0130, CJ 1125

CJ 1199 - RESEARCH PRACTICUM

Minimum Credits: 1

Maximum Credits: 3

Research opportunities in criminal justice

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002, 0110, 0210, 0130, 1125

CJ 1202 - AMERICAN CONSTITUTIONAL LAW

Minimum Credits: 3

Maximum Credits: 3

A study of the interpretation of the constitution by the supreme court and of the place of the court in the American political system. Topics include the development of judicial review, civil and political rights, national and state powers over the economy, and the powers of the president. Major emphasis is given to the courts policymaking roles and to its decisions in the area of civil liberties and rights.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CJ 1230 - CRITICAL ISSUES IN CONTEMPORARY CORRECTIONS

Minimum Credits: 3

Maximum Credits: 3

This course will use as a departure, the concepts learned in CJ 0130. It will be divided into three parts. First, it will reconsider the general justifications of punishment and how various sentence options may meet these alternatives. Second, it will examine current issues, including aging inmates, education in prison, and women in prison. Third, it will examine innovations in prisons, including privatization of prisons.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1248 - WOMEN AND CRIME

Minimum Credits: 3

Maximum Credits: 3

This course examines the nature of female offenders, the response of the criminal justice system to them, and the applicability of criminological theories to female delinquency and criminality. The course also deals with the way female victims are treated by the system and the experience of women working within the criminal justice field.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1250 - JUNIOR SEMINAR

Minimum Credits: 3

Maximum Credits: 3

Sentencing is the step in criminal case processing that occurs after the defendant is pronounced guilty of a crime (by trial or guilty plea) and before the offender begins serving the pronounced punishment. This course 1) describes the various approaches to sentencing in the United States, 2) traces sentencing practices and the underlying assumptions of different approaches, 3) discusses the precipitating factors that led to modern sentencing reform, 4) details various reforms including sentencing guidelines, mandatory minimum sentencing and three-strikes laws, 5) identifies relevant legal issues that have accompanied modern sentencing reforms, 6) analyzes empirical studies to ascertain whether, how, and under what circumstances the goals of sentencing have been realized, 7) presents ethical and philosophical challenges to modern sentencing reform, and 8) to offers some conclusions about how modern sentencing reforms may impact prison populations as well as the correctional population under community supervision. This is a writing intensive course that satisfies the comp 3 requirement.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PLAN: CJ major; Junior; EngCmp 0020

CJ 1255 - SENTENCING AND MODERN REFORM

Minimum Credits: 3

Maximum Credits: 3

This course takes an in-depth examination into modern sentencing reform in the United States. It highlights the historical background of sentencing practices and details the goals of modern reforms. It provides an empirical assessment of whether the reforms have met their goals, an overview of relevant Supreme Court cases, and a consideration of the monetary and social costs of modern sentencing practices. The course ends with examining recent calls to "reform the reforms" and considers the future of sentencing practices in the United States.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1310 - ENVIRONMENTAL CRIMINAL JUSTICE

Minimum Credits: 3

Maximum Credits: 3

This course introduces the student to the role of criminal justice in protecting and regulating the environment at both the micro and macro level. This includes environmental crimes of climate, water, air, ground, noise pollution and pollution found in the human body. The emerging field of environmental criminal justice demands fair treatment of all peoples with respect to environmental laws and their implementations including the right

to safe and clean resources, work environments and living environments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1518 - WHITE COLLAR CRIME

Minimum Credits: 3

Maximum Credits: 3

This course will examine the offenses related to white collar crime and the differences between these types of deeds, crimes of opportunity and violent crimes. In addition, the unique nature of this criminal behavior and the actor's reliance on the victim to assist in the wrongdoing will be addressed. Attention to the role of law enforcement and the problems associated with the investigation of white collar crime will be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1520 - VICTIMOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course traces the development of the field of victimology. It first examines the term "victim" and then provides an overview of the incidence, patterns, and consequences of criminal victimization. This course places special emphasis on victimization on college campuses and violence against women. It concludes by discussing victims' programs and services.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

CJ 1750 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

CJ 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

Allows advanced students to pursue topics and research of special interest which are not otherwise available.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Junior; CJ 0002 or SOC 0020

CJ 1910 - TEACHING AND RESEARCH IN CRIMINAL JUSTICE

Minimum Credits: 1

Maximum Credits: 3

This course allows students the opportunity to assist the instructor, tutor students and/or work on research projects.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Senior; (CJ 0002 or SOC 0020) and SOC 0110, SOC 0210, SOC 0130, SOC 1125

CJ 1950 - SENIOR SEMINAR

Minimum Credits: 3

Maximum Credits: 3

Senior seminar for criminal justice majors.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Senior; (CJ 0002 or SOC 0020), CJ 0110, CJ 0130, CJ 0210, CJ 1125 and (SOCSCI 0200 or STAT 0200)

ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY

Minimum Credits: 3

Maximum Credits: 3

Introduction to principles of economic analysis as applied to the study of prices and markets. The course builds a theoretical basis for understanding producer and consumer behavior, and prepares students to appreciate the importance of markets in our economic system.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

Minimum Credits: 3

Maximum Credits: 3

An introductory course which develops the basic tools needed to analyze the behavior of various macroeconomic phenomena including inflation, gross domestic product, and unemployment. In addition, these tools are used to study how and whether the government can impact the behavior of the overall economy. Finally, the course looks at the role various institutions such as banks and the stock and bond markets play in affecting the economic environment.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ECON 0130 - GLOBALIZATION

Minimum Credits: 3

Maximum Credits: 3

This course will cover a wide range of topics dealing with the rapid internationalization of the global economy. It will include a discussion of international trade theory and policy, the role of foreign direct investment, attempts at a regional economic integration, the foreign exchange market and the global monetary system, the role of multi nationals in the global marketplace and the related host country aspirations, and issues in relation to economies in various stages of transition.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ECON 0100 and ECON 0110

ECON 0134 - PUBLIC ECONOMICS

Minimum Credits: 3

Maximum Credits: 3

This course explores current issues related to expenditure policies of governments, including the effects of government intervention on economic outcomes. Topic includes how alternative economic theories are used to provide intellectual justification for ideological, moral and ethical beliefs as in the use of public partnerships in education, health care and the future of social security. The course also evaluates topical dilemmas in government policy on the provision of such public goods based on certain criteria for evaluating government actions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ECON 0100

ECON 0225 - COST BENEFIT ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

Market failures are widespread in societies, resulting in the non- provision of some goods and services deemed desirable to society. Additionally firms often fail to take into account the negative effects of their actions on the society as a whole. In these situations government intervention is deemed necessary. Cost-benefit analysis (CBA) is a tool used by government agencies to determine the effectiveness of public works projects. CBA is the application of economic, financial and quantitative reasoning tools to issues of resource allocation in public policy. It identifies, quantifies and aggregates the positives (benefits) and negative (costs) effects associated with a public policy decision. The course is taught partly in a seminar format and will often cover applications of CBA to crime, (such as a cost/benefit analysis of imprisonment in different states or the measurement of rehabilitation and special deterrence), health care, education, transportation, the environment and other public policies that are of current interest.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ECON 0100

ECON 0280 - INTRODUCTION TO MONEY AND BANKING

Minimum Credits: 3

Maximum Credits: 3

The course is directed toward giving the student an insight into the role that monetary policy and financial markets play in the economy. It will cover both the theoretical and institutional aspects of banking necessary to function successfully in the business world. One object of the course is to give the student the ability to analyze and appraise critically the monetary policy of federal reserve system.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ECON 0110 and MATH 0100

ECON 0800 - INTRODUCTION TO ECONOMICS

Minimum Credits: 3

Maximum Credits: 3

A one-term course designed primarily for the non-major. The main goals are to create interest in the study of economics and introduce some basic tools economists use to analyze social issues. Issues range from farm subsidies to changes in income tax rates to changes in spending on crime reduction.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ECON 0835 - GOVERNMENT AND THE ECONOMY

Minimum Credits: 3

Maximum Credits: 3

This course is concerned with government intervention into markets as a corrective measure to market failure. Issues involving public policy, regulation, de-regulation, and anti-trust will be analyzed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ECON 0100

ECON 0905 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

Current topics of particular interest to economics majors are discussed and analyzed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ECON 1745 - SPECIAL TOPICS - STUDY ABROAD

Minimum Credits: 1

Maximum Credits: 3

The study of special topics related to a study abroad experience.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

ECON 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 12

Student designed project of study in a particular area of economics. Supervised closely by a faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

ADMPS 1001 - SOCIAL FOUNDATIONS OF EDUCATION

Minimum Credits: 3

Maximum Credits: 3

Students in the course have the opportunity to develop a foundational understanding of the dynamics of schooling in society by addressing the cultural aspects that underlie society's educational ideas and practices. Through an interdisciplinary approach, readings and activities are designed for school practitioners, or those contemplating careers in education, to engage in the study of those cultural aspects and consequences. The general intent of foundational study is to introduce students to interpretive uses of knowledge germane to education and to establish a basis for lifelong learning through normative and critical reflection on education within its historical philosophical, cultural and social contexts. Special emphasis is focused on the role of schooling in cultivating the habits necessary for democratic citizenship which include ongoing efforts to secure equitable and just social relations, and to advance the common good.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: Pre-Educ majors

ADMPS 1010 - FIRST FIELD EXPERIENCE

Minimum Credits: 1

Maximum Credits: 1

Students participate in ten hours of direct observations of one or more classrooms or student-related experiences to supplement the content received in a social foundations of education course. This course is required of education transfer students who earned credit for social foundations at another school and did not take ADMPS 1001 at Pitt-Greensburg.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Satisfactory/No Credit

ELED 0010 - DIRECTED TUTORING PRACTICUM

Minimum Credits: 1

Maximum Credits: 3

Provides elementary education and pre-education majors with tutoring experiences in area school districts or other field settings.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: H/S/U Basis

ELED 0020 - DIRECTED TUTORING IN ELEM ED

Minimum Credits: 1

Maximum Credits: 3

Provides elementary education and pre-education majors with tutoring experiences in area school districts or other field settings.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

ELED 1900 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

Course content to be decided between the professor and the student.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

EDPSY 0009 - ENGLISH LANGUAGE LEARNERS

Minimum Credits: 1

Maximum Credits: 1

Designed primarily for pre-service teachers, this course familiarizes students with basic materials, resources, and strategies for making appropriate accommodations in the regular classroom setting for students whose primary language is not English.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: ADMPS 1001; PSY 0010

EE 0132 - DIGITAL LOGIC

Minimum Credits: 3

Maximum Credits: 3

Introduction to digital systems, Boolean algebra, minimization of logic functions, combinational and sequential circuit design.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

ENGR 0011 - INTRO TO ENGINEERING ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

Introduces students to basic topics in engineering, the role of the computer in engineering, ill structured problem-solving and report writing. The course includes material on the use of Unix, HTML, spread sheets, and MATLAB. Data analysis and curve fitting is done in both MATLAB and Excel. The writing component includes four detailed reports and includes an oral presentation. The course goals are: to introduce the fundamentals of what engineering is, what engineers do, why a diverse work force is needed and what values come with working in a group environment; to introduce the required library research skills and communication skills used by all engineers; to introduce the role of the computer in engineering problem solving, including the basic analytical, programming design, graphical, and problem solving skills used by most engineers in their profession; and to provide an overview of how material in the basic sciences and mathematics is applied by engineers to solve practical problems of interest to society.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: CREQ: MATH 0200

ENGR 0012 - INTRO TO ENGINEERING COMPUTING

Minimum Credits: 3

Maximum Credits: 3

Introduces students to social topics in engineering, the role of the computer in engineering, ill-structured problem-solving and report writing. The course includes material on the use of MATLAB and C++. Students learn the fundamentals of computing in engineering, including program design, program development, and debugging. Applications to problems in engineering analysis with topics selected from ENGR 0011. The writing component includes four detailed reports and includes an oral presentation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: ENGR 0011

ENGR 0015 - INTRODUCTION TO ENGINEERING ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

Introduces students to basic topics in engineering, the role of the computer in engineering, ill-structured problem-solving and report writing. The course includes material on the use of UNIX, HTML, spread sheets, and MATLAB. Data analysis and curve fitting is done in both MATLAB and Excel. The writing component includes four detailed reports and includes an oral presentation. The course goals are: to introduce the fundamentals of what engineering is, what engineers do, why a diverse work force is needed and what values come with working in a group environment; to introduce the required library research skills and communication skills used by all engineers; to introduce the role of the computer in engineering problem solving, including the basic analytical, programming design, graphical, and problem solving skills used by most engineers in their profession; and to provide an overview of how material in the basic sciences and mathematics is applied by engineers to solve practical problems of interest to society.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: CO-REQ: MATH 0200

ENGR 0016 - INTRODUCTION TO ENGINEERING COMPUTING

Minimum Credits: 3

Maximum Credits: 3

Introduces students to social topics in engineering, the role of the computer in engineering, ill-structured problem-solving and report writing. The course includes material on the use of MATLAB and C++. Students learn the fundamentals of computing in engineering, including program design, program development, and debugging. Applications to problems in engineering analysis with topics selected from ENGR 0015. The writing component includes four detailed reports and may include an oral presentation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: ENGR 0015

ENGR 0081 - FRESHMAN ENGINEERING SEMINAR 1

Minimum Credits: 0

Maximum Credits: 0

An in-depth orientation in the various areas of engineering and the related fields of employment. Includes small group meetings with departmental representatives and special freshman academic advisors. A formal departmental choice is made at the conclusion of these courses.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: H/S/U Basis

ENGR 0082 - FRESHMAN ENGINEERING SEMINAR 2

Minimum Credits: 0

Maximum Credits: 0

An in-depth orientation in the various areas of engineering and the related fields of employment. Includes small group meetings with departmental representatives and special freshman academic advisors. A formal departmental choice is made at the conclusion of these courses.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: H/S/U Basis

ENGCOMP 0010 - COLLEGE COMPOSITION 1

Minimum Credits: 3

Maximum Credits: 3

Explicitly teaches the limits and basic structures of the sentence, the paragraph and the essay. Expository strategies are also explored. Additional competencies include, but are not limited to, standard English grammar; logical progression of thought; clear, effective sentences and diction; mechanics; and format.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGCOMP 0011 - COMPOSITION TUTORIAL

Minimum Credits: 1

Maximum Credits: 1

This class teaches students how to write academic essays. They will learn how to establish a clear purpose for writing; to identify and respond appropriately to the needs of various audiences; to write in a variety of rhetorical modes; to understand and critically read a range of student, journalistic, academic and professional writing; to develop flexible strategies for generating ideas, revising, editing, and proofreading; to craft a clear and focused thesis statement and an organized structure of supporting claims; to employ evidence and offer support for claims; and to follow the rules of standard, edited American English.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGCOMP 0020 - COLLEGE COMPOSITION 2

Minimum Credits: 3

Maximum Credits: 3

In addition to continuing to advance the goals of college composition 1, this class teaches students how to write an academic research paper. They will learn how to choose and focus on an appropriate research topic; to evaluate, select, and organize relevant research material from both print and electronic sources; to draft and revise an essay that draws on relevant research material in order to make an original argument; to analyze and synthesize information from sources and integrate it smoothly and coherently into their own discourse; to distinguish summary, paraphrase, and quotation from plagiarism, and thus ensure that both the wording and the sentence structure of summaries and paraphrases are essentially students' own; and to properly use MLA documentation format for in-text and external bibliographic citations of scholarly, popular, and electronic sources

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0010 or placement

ENGCOMP 0030 - COLLEGE COMPOSITION 3

Minimum Credits: 3

Maximum Credits: 3

This class teaches students how to write within the discipline or area of the major, so as to demonstrate sufficient subject-area knowledge of the field or discipline. Essays will reflect an awareness of disciplinary purposes, audiences, contexts, and genres of writing, as well as published research within the field or discipline. Students will also learn disciplinary conventions of documentation style. Depending on the academic program, students. Will take a writing-intensive or 'w' course that counts as a college composition 3 equivalent.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; LVL: Junior

ENGCOMP 0031 - BUSINESS WRITING

Minimum Credits: 3

Maximum Credits: 3

This course will help students gain experience in writing work-related letters and memos, a short report, and a long report; the kinds of writing done in business fields. Students will learn how to write documents that effectively meet the needs of particular readers (such as customers, clients, co-workers, and employers). The course will also help students master the standard formats of business writing; develop a reader-friendly style; refine their editing techniques; control tone, diction, sentence structure, and paragraphing; improve their research methods; grasp the fundamentals of the modern language association's documentation system of parenthetical in-text citations; and review the most important principles of grammar, punctuation, and mechanics as they apply to the business world.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; PLAN: Management major

ENGCOMP 0032 - WRITING IN THE SOCIAL SCIENCES

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to writing in the social sciences, with an emphasis on using the APA style (American psychological association). Students will develop analytical and critical thinking skills within the context of social science disciplines, and to prepare for the capstone course in various behavioral science majors. Emphasis will be placed on the process of formulating a research question and thesis; we will also address argument, evidence, interpretation, methodology, and critique in social science research.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGCOMP 0905 - COLLEGIATE READING

Minimum Credits: 3

Maximum Credits: 3

Develops reading skills that will contribute to success in college and in life. Explicitly teaches vocabulary development and enrichment, various comprehension strategies, including context clues, sentence patterns, and paragraph and essay components through interesting, thought-provoking readings. Additional competencies include, but are not limited to, skills for critical reading and thinking and for finding appropriate reading rates.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGCOMP 1103 - PUBLIC RELATIONS WRITING

Minimum Credits: 3

Maximum Credits: 3

This course studies the ways an organization communicates with its public through news releases, speeches, brochures, feature stories, annual reports, etc. The course examines the stylistic choices each writer makes and develops a critical language to describe how meaning is created through the way information is arranged. Issues of the media, ethics, propaganda and the uses of ambiguity will also be addressed.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGCOMP 1150 - GRAMMAR AND COPY-EDITING

Minimum Credits: 3

Maximum Credits: 3

After a brisk review of the fundamentals of grammar and punctuation, this course will help students learn to operate the American English language with precision, force, and elegance by accommodating themselves to the precepts that govern the prose in fastidiously edited books and magazines. Emphasis is practical rather than theoretical. The course will be especially pertinent to students preparing for careers in writing, editing, teaching, communications, and the mass media. This course may not be used as a substitute for ENGCOMP 0030 (college composition 3).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; LVL Junior

ENGCOMP 1551 - HISTORY AND POLITICS OF THE ENGLISH LANGUAGE

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to both historical and present use and descriptions of the English language. Students also learn techniques for analyzing and understanding the language.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0066 - INTRO TO SOCIAL LITERATURE

Minimum Credits: 3

Maximum Credits: 3

Examines the changing social pressures and forces in the 19th and 20th centuries through an analysis of major works by Twain, Dickens, Steinbeck, Williams, Golding, Miller, and Hemingway.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0070 - CERVANTES IN ENGLISH

Minimum Credits: 3

Maximum Credits: 3

This course uses a modern English translation of Cervantes, and all readings, assignments, and discussions are in English. Class sessions will situate Don Quixote in its historical and global context and identify twenty-first century instances of quixotism and neo-chivalry. Course themes explore major topics in cervantes criticism, including madness, chivalry, gender roles, class and race relations, and baroque perspective. Students will engage in close readings of the text, personal reading responses, analytic essays, and an individually defined final project. Spanish majors or minors enrolled in the course will have the option to develop a dual-language project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0110 - INTRODUCTION TO LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to an understanding and appreciation of the major literary genres including the poem, the drama, the short story, and the novel. A range of types and themes will be examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0310 - THE DRAMATIC IMAGINATION

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to the major dramatic forms and compares the ways playwrights from several centuries use ideas, characters and dramatic techniques. We will consider how social, historical, and dramatic contexts influence our interpretations and evaluation, or may lead to alternative understandings of a play.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0315 - READING POETRY

Minimum Credits: 3

Maximum Credits: 3

Poetry is usually the first literary form to evolve in a culture. Yet many today reject it as artificial, overly refined and removed from ordinary human experience. By studying various kinds of poetry, this course aims to help students break down the barriers between classic poems, contemporary poetry, and a more general lyric impulse. As the most highly condensed literary experience, poetry invites very close reading, so we will explore various techniques for making sense of poems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0325 - THE SHORT STORY

Minimum Credits: 3

Maximum Credits: 3

This course studies short stories that explore a variety of themes. It seeks to define the short story as a specific literary genre and to distinguish it from earlier forms of short narrative literature. It then goes on to examine the effects of literary, cultural and historical traditions on these stories and their reception.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0350 - LITERATURE, TRADITION AND THE NEW

Minimum Credits: 3

Maximum Credits: 3

This course examines works from several different periods and cultures that both embody and challenge literary and cultural traditions. It explores the ways in which we are all active participants in the process by which traditions are reproduced and revised over time.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0360 - WOMEN AND LITERATURE

Minimum Credits: 3

Maximum Credits: 3

An exploration of writings by and about women. Through our reading of various literary forms -- poetry, fiction, autobiography -- we will explore the aspirations and realities of women's lives. We will consider how social issues -- class, race, etc. -- affect women writers.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0370 - LITERATURE AND IDEAS

Minimum Credits: 3

Maximum Credits: 3

This course studies invention and interpretation, and explores the various ways writers produce texts and readers make them make sense. Though texts may change from section to section and instructor to instructor, they always stimulate investigation into reading and writing as ways of knowing.

Academic Career: Undergraduate

Course Component: Seminar
Grade Component: LG/SNC Elective Basis

ENGLIT 0450 - UPG EXCHG: INTRO HISPANIC LIT

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the university of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0500 - INTRODUCTION TO CRITICAL READING

Minimum Credits: 3

Maximum Credits: 3

This course studies three to five significant literary works in conjunction with influential criticism on each text. Students explore the uses and limits of different critical methods. The course seeks to develop a critical understanding of both classic literary texts and dominant modes of reading as changing cultural practices.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0511 - HISTORICAL BACKGROUNDS OF ENGLISH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course surveys the major development in English social and political history, concentrating on those that had the greatest impact on the development of English literature.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0550 - INTRODUCTION TO POPULAR CULTURE

Minimum Credits: 3

Maximum Credits: 3

This course covers texts from American mass culture-popular fiction, advertising, popular music, television, etc. It will explore methods of analyzing these texts, discovering what these products have in common and what distinguishes them from other cultural artifacts.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0570 - AMERICAN LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This first course in American literature explores the characteristic features of writings from the colonial period to the present. It emphasizes the interaction between literary texts and their social contexts, and examines the emergence of a national literature.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE

Minimum Credits: 3

Maximum Credits: 3

This course will focus on a number of Shakespeare's major plays from all phases of his career. Class discussion will consider the historical context of the plays, their characterization, theatrical technique, imagery, language and themes. Every attempt will be made to see the plays both as poems and as dramatic events.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0590 - FORMATIVE MASTERPIECES

Minimum Credits: 3

Maximum Credits: 3

This course will study in some detail eight or nine of those masterpieces which form the largest part of what we now regard as the Western tradition of literature. The works chosen will come from various genres--epic poetry, drama, the novel, and satire. They will span the centuries from the classical periods of ancient Greece and Rome through the Renaissance and into the nineteenth century.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0597 - BIBLE AS LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This introductory course acquaints students with what is in the bible and provides background information drawn from various disciplines about the elements and issues that give it its distinctive character. Attention is necessarily given to its religious perspectives, since they govern the nature and point of view of the biblical narratives, but no specific religious view is urged.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0625 - DETECTIVE FICTION

Minimum Credits: 3

Maximum Credits: 3

This course examines detective fiction in terms of its history, its social meaning and as a form of philosophizing. It also seeks to reveal the place and values of popular fiction in our lives.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0626 - SCIENCE FICTION

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to the major ideas, themes, and writers in the development of science fiction as a genre. Discussions will help

students to understand and use critical methods for the analysis of science fiction. The topics covered include problems describing and defining the genre, contrasting ideologies in soviet and American science fiction, the roles of women as characters, readers and writers of science fiction, etc.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0643 - SATIRE

Minimum Credits: 3

Maximum Credits: 3

This course studies satire in general, the techniques of certain satires in particular and the expression of satiric attitudes. We will examine satires from various times and countries so that we can better understand what satire is, how it differs from other literary forms and its function within the culture that produces it.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 0650 - IRISH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to nonfiction, fiction, drama, and poetry by Irish writers, including Jonathan swift, William Butler Yeats, Oscar Wilde, James Joyce, Samuel Beckett, Seamus Heaney, Evan Boland and Roddy Doyle. Students will become familiar with a variety of literary styles, studied in the context of Irish history, politics and culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 0660 - LITERARY FAME

Minimum Credits: 3

Maximum Credits: 3

This course investigates the creation of literary fame: how particular authors, literary works, characters, and even particular lines and phrases became famous and stayed in circulation in English-speaking culture, and why they dropped out of circulation. In part, then, this is an investigation of canonicity, not concerned with abstract ideas of what makes works of literature great so much as investigating the cultural mechanisms and patterns by which works and lines establish themselves in culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1012 - 18THC BRITISH/COLONIAL LIT

Minimum Credits: 3

Maximum Credits: 3

Examines the major British and American writers during this period of intellectual ferment. Those to be examined include Dryden, Pope, Swift, Johnson, Franklin, Paine, Jefferson, and Washington.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

ENGLIT 1020 - HISTORY OF LITERARY CRITICISM

Minimum Credits: 3

Maximum Credits: 3

This course considers influential critical theorists ranging from Plato and Augustine to Nietzsche and Freud. Neither the readings nor the approach of the class fall under the narrow definitions of literary criticism; our focus instead will be on texts from several disciplines that offer powerful models of reading and writing and that raise interesting questions about the foundations of literature, culture, and interpretation.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1022 - LITERATURE OF THE AMERICAN WEST

Minimum Credits: 3

Maximum Credits: 3

Surveys the history and development of the popular novel of the American West, from the formulaic fictions of Owen Wister and Zane Grey to the historical romances of Ernest Haycock and A.B. Guthrie.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1065 - NARRATIVE LITERATURE

Minimum Credits: 3

Maximum Credits: 3

Introduces the novel as an art form, examining various themes and techniques in major novels by such writers as Melville, James Joyce, Proust, Celine, Hemingway, and Greene.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1100 - MEDIEVAL IMAGINATION

Minimum Credits: 3

Maximum Credits: 3

This course explores some of the ways people in the middle ages saw the world around them. We will try to understand those perceptions by reading a variety of literary works, by comparing those works to other art forms and by examining similar kinds of experience in the modern world.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMP 0020; LVL: Sophomore

ENGLIT 1125 - MASTERPIECES OF RENAISSANCE LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course studies prose, poetry and drama written in England between 1550 and 1660--an age of religious reformation, economic and social instability, intellectual revision and political revolution. It seeks to make sense of the renaissance in terms appropriate both to that time and to our own.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; LVL: Sophomore

ENGLIT 1126 - ADVANCED SHAKESPEARE

Minimum Credits: 3

Maximum Credits: 3

This upper level course in Shakespeare assumes some prior work with his writings. It seeks to develop a more detailed appreciation of his writing by examining selected texts in relation to some historical, cultural or critical issue.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGLIT 0580 or permission of instructor

ENGLIT 1150 - ENLIGHTENMENT TO REVOLUTION

Minimum Credits: 3

Maximum Credits: 3

This course focuses on literature and culture of the late 17th and 18th centuries--a period of revolutionary changes in the way writers and readers viewed their world. We will read widely in the important texts of the period in order to explore the interplay of enlightenment and revolution.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1175 - 19TH CENTURY BRITISH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

A study of the major writers and cultural issues of 19th century Britain situated in relation to the social and intellectual developments of the time.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore or permission of instructor

ENGLIT 1199 - TOPICS IN BRITISH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

Explores thematic, formal, historical or cultural topics in British literature. It ties these issues to critical and social concerns in the development of British literature and culture.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1200 - AMERICAN LITERATURE TO 1860

Minimum Credits: 3

Maximum Credits: 3

This course surveys literature produced in America before the Civil War. In the process it explores the historical, political, social and cultural factors that affected the development of that literature. It examines the work of writers who saw themselves as powerful framers of the national experience yet fearful they would have little effects on a culture confronting problems of slavery, divisiveness, literacy, economic change, immigration, etc.

Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

ENGLIT 1215 - PRE-20THC AMERICAN LITERATURE

Minimum Credits: 3

Maximum Credits: 3

Surveys a major author's genres and themes from the 17th through the 19th century. Introduces the student to the puritan, neoclassical, romantic, and realist movements.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

ENGLIT 1241 - JANE AUSTEN: BOOKS & FILM

Minimum Credits: 3

Maximum Credits: 3

This course will cover four of the novels of Jane Austen (Northanger Abbey, Sense and Sensibility, Pride and Prejudice, and Emma), and their film and television series equivalents, plus one very recent derivative novel, Helen Fielding's, "Bridget Jones's Diary" (and its film version). The point of the course would be to refine students' sense of how to read both novels and films and simultaneously to sharpen their sense of a historical period in some cultural detail and examine the cultural and aesthetic values of their own post-modern era.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1248 - LITERATURE OF MINORITY WOMEN

Minimum Credits: 3

Maximum Credits: 3

Through a close study of literary works by minority women writers of North America, particularly African/Asian American writers, the course intends to help students develop a clear understanding and a critical appreciation of these different 'strands' in North American culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1325 - MODERNISM

Minimum Credits: 3

Maximum Credits: 3

This course examines major works in the modernist tradition poetry, fiction, drama--to determine the role these texts have played in creating the world that seems so familiar to us now.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore or permission of instructor

ENGLIT 1360 - TOPICS IN 20TH CENTURY LIT

Minimum Credits: 3

Maximum Credits: 3

Considers thematic, formal historical or cultural topics in late 19th and 20th century literature. It ties these issues to critical and social concerns in international modernism and post modernism.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMP 0020

ENGLIT 1380 - WORLD LITERATURE IN ENGLISH

Minimum Credits: 3

Maximum Credits: 3

This course examines contemporary literature, primarily in English, written in eastern Europe, Africa, Latin America, etc. It pays particular attention to its depiction of social, political and moral concerns.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1552 - HISTORY OF THE ENGLISH LANGUAGE

Minimum Credits: 3

Maximum Credits: 3

A survey of the linguistic development of English from Anglo-Saxon times to the present. Attention given to basic linguistic structures and discursive practices and to the social and historical conditions under which they change.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCMP 0020

ENGLIT 1572 - FANTASY AND ROMANCE

Minimum Credits: 3

Maximum Credits: 3

Focusing on works that offer fantastic alternations to the world of ordinary experience, this course examines works produced from the middle ages to the present day. It raises questions about our perceptions of "reality", and the effects of conscious or unconscious wishes, desires and fears on literary representations.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1610 - TOPICS IN GENRE

Minimum Credits: 3

Maximum Credits: 3

A consideration of significant emergent literary forms or practices in relation to their social and cultural contexts.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1611 - DEVELOPMENT OF THE NOVEL

Minimum Credits: 3

Maximum Credits: 3

This course studies the development of the novel as a literary practice. Readings will reveal significant contributions to the definition of the novel; the characteristics that identify the novel, historical developments that led to its creation, and its dominant subjects.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; LVL: Sophomore

ENGLIT 1640 - LITERATURE FOR CHILDREN

Minimum Credits: 3

Maximum Credits: 3

This course examines literature that has been and is being read by children. There are units on fairy tales, myths and legends, poetry and fiction as well as more "realistic" fiction. The approach is historical, critical and creative.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGLIT 1645 - CRITL APPRCH TO CHILDREN'S LIT

Minimum Credits: 3

Maximum Credits: 3

This course examines a variety of children's books from a number of theoretical perspectives; historical, feminist, transactional, structuralist, etc. The implications of theory will be emphasized. We will place children's books and reading in the wider context of the emotional, cognitive, and moral development of the child, the popular culture of childhood, and contemporary multicultural society.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGLIT 1640 or ENGLIT 1647

ENGLIT 1647 - LITERATURE FOR ADOLESCENTS

Minimum Credits: 3

Maximum Credits: 3

This course will read classics as well as modern works written specifically for an adolescent audience. We will also read and discuss sociological and psychological constructions of adolescents and books on pedagogy.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020; LVL: Sophomore

ENGLIT 1701 - TOPICS IN WOMEN'S STUDIES

Minimum Credits: 3

Maximum Credits: 3

Investigates issues raised by the woman's movement in literature written by and about women. It ties these issues to critical and cultural concerns both at the time the text was written and to the present day.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1725 - ASIAN NORTH AMERICAN FILM AND LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course introduces the selected works by Asian North American writers of Chinese, Japanese, Indian, and Korean descent. Literary analysis will focus on the theme, form, style, language, and structure of works from a variety of genres, including essays, poetry, short stories, novels, drama, and film. A critical reading and comparing these selected texts intend to help students recognize Asian North American literary writings as part of the rich diversity of American cultural and literary traditions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGLIT 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

This option permits students to design their own course with the approval of a department faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

ENGLIT 1905 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

This course enables students to combine academic training and practical work experience related to the major.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

ENGLIT 1910 - SENIOR SEMINAR

Minimum Credits: 3

Maximum Credits: 3

Intensive study of a single topic or figure that assumes previous work in related literary historical and critical areas. Each seminar moves toward a final paper that integrates earlier literary study with the specific critical perspective developed in this course.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGLIT 1950 - ENGLISH LITERATURE CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior English literature majors.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Senior

ENGWRT 0400 - INTRODUCTION TO CREATIVE WRITING

Minimum Credits: 3

Maximum Credits: 3

This course offers the opportunity to experiment with forms of poetry and fiction and to read and discuss from a writer's point of view contemporary writing in these genres.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020 or 0200 or 0006 or permission of instructor

ENGWRT 0410 - INTRODUCTION TO CREATIVE WRITING

Minimum Credits: 3

Maximum Credits: 3

This is the first course that Writing students take to get acquainted with the genres of fiction, poetry, and nonfiction in order to continue in more advanced courses. Students read classic and contemporary writers and poets to learn such basic components as scene, setting, dialogue, image, line, and meter. Students will work together and with the professor in several rough-draft sessions as the students compose essays, short stories, and poems. Students are also encouraged to submit to and join the staff of Pendulum, the student literary magazine.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020 or permission of instructor

ENGWRT 0411 - INTRODUCTION TO CREATIVE NONFICTION

Minimum Credits: 3

Maximum Credits: 3

This course will introduce undergraduates to creative nonfiction, a genre that often borrows from fiction writer's techniques while sticking to the facts. Genre includes personal essay, new journalism, memoir and quality feature writing.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGWRT 0520 - INTRODUCTION TO FICTION WRITING

Minimum Credits: 3

Maximum Credits: 3

This first course in the fiction sequence introduces students to aspects of prose fiction--plot, point of view, characterization, conflict, etc. Students may write exercises on these aspects of fiction, write one or more short stories and revise frequently. Students will also read representative stories and explore their use of particular fictional techniques.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGWRT 0530 - INTRODUCTION TO POETRY WRITING

Minimum Credits: 3

Maximum Credits: 3

Through writing exercises, analysis of modern and contemporary poetry and frequent revision of their own poetry, students learn the basic elements

of poetry writing.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGWRT 0550 - FUNDAMENTALS OF NEWS REPORTING

Minimum Credits: 3

Maximum Credits: 3

The internet has led newspapers, corporations and non-profit agencies to create websites that dispense news and information 24 hours a day, seven days a week, and these agencies need people who can write efficiently in that style. This makes clear, concise, accurate writing - the basis of all news reporting - more important than ever. In fundamentals of news reporting, students will learn to identify news, write effective summaries of the information, structure stories well, conduct research, and identify sources of reliable facts and informed opinions. Students will write about their surrounding communities: the University, Oakland, the city of Pittsburgh. The course will also include lectures and discussions about media law and ethics.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020 or permission of instructor

ENGWRT 0650 - READINGS IN JOURNALISM

Minimum Credits: 3

Maximum Credits: 3

This course is intended to introduce journalism students to news, feature, and column/op-ed writing as practiced by the best papers - and the best writers - nationally. The course will focus on the methods for obtaining the information needed to create solid news stories, and strategies ranging from extensive, in-depth interviewing, background reading, and the journalistic "legwork" and "digging" that produces incisive, accurate accounts and the very best "investigative reporting".

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGWRT 1010 - INTERMEDIATE FICTION

Minimum Credits: 3

Maximum Credits: 3

Students work on writing short stories and read a wide range of stories. Students can expect to revise their work regularly. Class sessions will address problems in fiction writing -- from plot to characterization, from point-of-view to style.

Academic Career: Undergraduate

Course Component: Workshop

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1012 - DIGITAL STORYTELLING 1

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the history and transformative power of digital technologies and to how these technologies influence the ways we create and share stories today. We will explore the ways technology helps us tell stories through new and emerging narrative forms, including blogs, podcasts, photo/sensory essays, and other combinations of audio and video forms. We will study methods digital storytellers use to connect with audiences in unique and intimate ways, and students will create their own stories with specific audiences in mind. Students will practice

storytelling using a variety of digital mediums and will construct their own digital storytelling portfolios to showcase their work.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410 or Instructor's Permission

ENGWRT 1022 - DIGITAL STORYTELLING 2

Minimum Credits: 3

Maximum Credits: 3

Digital Storytelling 2 is the advanced-level, follow-up course to Digital Storytelling 1. In this course, students will refine and advance the skills they acquired in ds 1 and use those skills to produce an in-depth personal digital narrative or immersion project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 1012

ENGWRT 1089 - THE CREATIVE PROCESS

Minimum Credits: 3

Maximum Credits: 3

This course interweaves the theoretical and psychological perspectives of the creative process with the experiences, work and words of both painters and poets. Master articulations of psychological theories and artistic experiential models inform the lectures, workshop and guest appearances.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410; PSY 0010

ENGWRT 1094 - READINGS IN CONTEMPORARY FICTION

Minimum Credits: 3

Maximum Credits: 3

This course acquaints students with a variety of contemporary writers. This study helps students raise questions about their own developing esthetics as they are reflected in form and take into account their dual roles as creative writers and critics. It also helps students access their relationship to reviewing and criticism, including its benefits to a creative writer developing a career, and to discover techniques of reviewing and criticism which aid and do not transgress upon their esthetics and its expression.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0520

ENGWRT 1095 - TOPICS IN FICTION

Minimum Credits: 3

Maximum Credits: 3

This course concerns itself with matters of interest in fiction writing; form and technique, contemporary production, and the relation of the fiction writer to his/her society.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1170 - SHORT STORY WORKSHOP

Minimum Credits: 3

Maximum Credits: 3

This workshop will involve rigorous discussion of the stories written by students as well as stories by some contemporary practitioners of genre fiction, such as science fiction and fantasy. Emphasis will be on the poetics, not the mechanics, of writing literary fiction. Each student will write and revise four stories over the semester.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410 and ENGWRT 0520

ENGWRT 1175 - FICTION SEMINAR: FAMILIES AND SMALL TOWNS

Minimum Credits: 3

Maximum Credits: 3

This course examines the various and diverse ways that writers define the idea of "family." Equally varied are the small towns in which these stories take place: We may be in Flannery O'Connor's rural Georgia, or in Jhumpa Lahiri's suburban New England. Students will write and revise short stories that concern family matters and take place in small towns.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1210 - POETRY WORKSHOP

Minimum Credits: 3

Maximum Credits: 3

For this advanced poetry writing course, the central text will be the student's own writing. Students will read recently published poetry, regularly write their own poetry and frequently rewrite it.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1250 - FORMAL POETRY WRITING

Minimum Credits: 3

Maximum Credits: 3

This course reviews free verse and then introduces the student to various verse forms of poetry. Examples from many time periods will be studied; however, special focus will be placed on modern and contemporary poets writing in meter. Students will write in free verse and then in various rhymed and unrhymed forms (e.g., the haiku, sonnet, sestina, and villanelle). Emphasis will be on the experimentation with and potential of verse form, not on its perfection.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1290 - READINGS IN CONTEMPORARY POETRY

Minimum Credits: 3

Maximum Credits: 3

This course focuses on American poets who have come to prominence since 1963. We will read widely in the poetry of this period to understand its unique contribution to the development of poetic form and its relationship to the culture that produced it.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1310 - NEWSPAPER 1

Minimum Credits: 3

Maximum Credits: 3

Students in this course learn how to profile individuals, report trends, take polls and write about a community. The course provides hands-on practice in feature writing and a workshop approach to critiquing students' and professionals' work.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0550

ENGWRT 1331 - MAGAZINE 1

Minimum Credits: 3

Maximum Credits: 3

Students will learn how to write for the magazine market. The focus is on writing for specific audiences. Students will learn how demographics and editorial vision affect content. They'll practice developing a variety of writer-voices and learn how to write for target markets. They'll find subjects they're passionate about and find target magazine markets that match. Students will generate story ideas, conduct research and reportage, write and re-write and ultimately publish their work either in an on-campus publication or beyond.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410 or ENGWRT 0411, or ENGWRT 0550

ENGWRT 1380 - NEWS PRACTICUM: THE INSIDER

Minimum Credits: 3

Maximum Credits: 3

This course is for writers, editors, photojournalists, graphic designers, business managers, and editorial cartoonists at The Pitt-Greensburg Insider, or for those who aspire to be on staff. We critique the daily editions of The Insider online and in print. You will learn how to pitch, report, write, and edit stories with the goal of publishing them. You will collaborate with your colleagues to strengthen your journalism skills and learn what goes into making excellent journalism. This includes thinking critically about interviewing, researching, writing, placement of stories, and visual journalism, as well as ethics and legal issues. Practicing journalists will visit the class. This three-credit course provides the initial credit for first-time Insider staff members. The course is repeatable (as ENGWRT 1381) for 2 credits to allow you to continue to work on The Insider throughout your time at Pitt-Greensburg.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

ENGWRT 1381 - NEWS PRACTICUM: THE INSIDER

Minimum Credits: 2

Maximum Credits: 2

Students who would like to continue to work on The Insider may continue to receive academic credit by signing up for this repeatable course after

completing ENGWRT 1380.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 1380

ENGWRT 1390 - READINGS IN CONTEMPORARY NON-FICTION

Minimum Credits: 3

Maximum Credits: 3

This course familiarizes students with a number of different forms of and approaches to contemporary non-fiction writing.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1391 - WRITING THE REVIEW

Minimum Credits: 3

Maximum Credits: 3

This course explores various types and styles of reviews. Students read a variety of critics as well as write original reviews of film, television, theatre, music, books, etc.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

ENGWRT 1403 - TOPICS IN NON-FICTION: ELECTRONIC MEDIA

Minimum Credits: 3

Maximum Credits: 3

This course concerns itself with the varieties of writing for the electronic media, and with related matters of interest; form and technique, contemporary production, ethical and legal matters, and the general relation of the writer in this field to his/her society.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: At least one ENGWRT course

ENGWRT 1410 - TOPICS IN NON-FICTION: MEMOIR

Minimum Credits: 3

Maximum Credits: 3

"A creative writing class is one of the few places where your life still matters," Richard Hugo, a great writer and teacher, once said. That idea is at the center of this course. Students will read a series of memoirs, both classic and contemporary, and examine the ways writers construct the truths of their lives on the page. In conjunction with the assigned readings which will include work by writers ranging from Ernest Hemingway to David Sedaris, Simone DeBeauvoir to Joan Didion students will draw from their own life experiences and write a series of essay-length memoirs about the things that matter to them most. Class includes a workshop component that allows students to share their writing each week. Topics have included Food Writing, Memoir Writing, Travel Writing, Nature Writing, and other subjects.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410

ENGWRT 1415 - TOPICS IN NONFICTION WRITING

Minimum Credits: 3

Maximum Credits: 3

Topics in nonfiction course is an intensive readings- and workshop-oriented course highlighting the various subgenres of creative nonfiction. Topics vary from term to term and include such areas as memoir writing, nature writing, travel writing, narrative/immersion journalism and more.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREREQ: ENGCOMP 0020; ENGWRT 0410 and (ENGWRT 0411 or ENGWRT 0550)

ENGWRT 1420 - BLOGGING AND THE BLOGOSPHERE: JOURNALISM'S NEXT WAVE

Minimum Credits: 3

Maximum Credits: 3

This course will require students to study contemporary blogs ' both good and bad -- and trace the history of non-traditional reportage, particularly during wartime. We'll examine the impact bloggers have on other forms of journalism, the quality of blog reportage, how technology is affecting the quality and quantity of traditional reportage, and the problematic and/or empowering position of the "I" in reportage. We'll also examine information overload in the 21st century and work on developing the critical skills necessary to distinguish what is and isn't news, what is and isn't valuable, what is and isn't fair and/or accurate in cyberspace and beyond.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410, (ENGWRT 0411 or ENGWRT 0550)

ENGWRT 1430 - LITERARY AND ONLINE PUBLISHING

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the art and craft of literary and online publishing. Students will research independent literary magazines and small presses, both online and in print. They will learn the basics of literary publishing from both an editorial and an authorial perspective. They will use what they learn to produce an online site featuring the work of Pitt-Greensburg writing program graduates, as well as individual print chapbook-length collections from the English writing program capstone.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGWRT 0410 or ENGWRT 0411 or ENGWRT 0520 or ENGWRT 0530 or ENGWRT 0550

ENGWRT 1650 - PLAYWRITING 1

Minimum Credits: 3

Maximum Credits: 3

A beginning course in writing for the stage. Starting with short scenes, students will work towards understanding the craft and art of constructing theatre stories to be performed by actors. The final project will be a one-act play. Throughout there will be emphasis on the stage effectiveness of the writing and opportunity for informal performance of student scripts.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

ENGWRT 1710 - SENIOR SEMINAR IN FICTION

Minimum Credits: 3

Maximum Credits: 3

In this seminar students are expected to criticize student work intelligently and constructively. It is designed for students familiar with the craft of writing who wish to refine their writing skill and make their stories more subtle, original and meaningful. Analysis of student writing will be supplemented by the reading of professionally written stories.

Academic Career: Undergraduate

Course Component: Workshop

Grade Component: LG/SNC Elective Basis

ENGWRT 1730 - SENIOR SEMINAR IN POETRY

Minimum Credits: 3

Maximum Credits: 3

A fairly broad knowledge of 20th century poetry in English is assumed. Most class hours will be devoted to workshop critiques; a portion of class time will be spent discussing the work of younger contemporary poets.

Academic Career: Undergraduate

Course Component: Workshop

Grade Component: LG/SNC Elective Basis

ENGWRT 1900 - INTERNSHIP: WRITING

Minimum Credits: 3

Maximum Credits: 3

This course offers students an opportunity to work as interns for local media, including newspapers, magazines and television stations. The internships are complemented by close supervision and seminars dealing with some of the ethical, legal, and practical issues facing the working professional.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

ENGWRT 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

This option permits students to design their own course with the approval of a department faculty member. Students must submit a proposal to the faculty member. Note: the proposed study must not duplicate the content of regularly offered courses.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

ENGWRT 1955 - ENGLISH WRITING CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for English Writing majors. In this course, which should be taken during a student's final semester, writing majors receive a complete immersion into the writing life. Students prepare a publishable chapbook-length manuscript in their chosen genres. Students share a reading list and do close readings of the texts. Students participate in readings, both on campus and off, and are featured during the week-long Writers Festival and the monthly Written/Spoken reading series. The course is workshop-driven, with students sharing new and revised work each week.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Senior

FR 0001 - ELEMENTARY FRENCH 1

Minimum Credits: 5

Maximum Credits: 5

This course will introduce the student to the oral-aural and reading-writing skills in the language. From the outset, students learn to use the spoken language and begin to work on good pronunciation, while at the same time developing the listening comprehension, reading, and writing skills.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FR 0002 - ELEMENTARY FRENCH 2

Minimum Credits: 5

Maximum Credits: 5

This course introduces the students to the oral-aural and reading-writing skills in the language. From the outset, students learn to use the spoken language and begin to work on good pronunciation, while at the same time developing the listening comprehension, reading, and writing skills. This course is a logical continuation of elementary French 0001.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: FR 0001 or 0111

FR 0003 - INTERMEDIATE FRENCH 1

Minimum Credits: 3

Maximum Credits: 3

This course is a logical continuation of the first-year sequence. Emphasis continues to be placed on the oral aural skills, but the reading and writing skills become increasingly stressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: FR 0002 or 0112

FR 0004 - INTERMEDIATE FRENCH 2

Minimum Credits: 3

Maximum Credits: 3

This course is a continuation of French 0003. Reading skill is emphasized even more than in FR 0003 but continues to be accompanied by oral-aural and written work.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: FR 0003 or 0211

FR 0020 - FRANCE IN THE 21ST CENTURY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to lead students to a better understanding of France today. We shall pay particular attention to the perceptions the French have of themselves, and to the major aspects of contemporary French life and society.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

FR 0021 - APPROACHES TO FRENCH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

The goal of this course is to illustrate ways of looking at literary texts. We shall examine plays, short prose works and poems focusing on textual elements such as narrative technique, characterization, societal factors and language.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FR 0041 - ELEMENTARY FRENCH 1

Minimum Credits: 3

Maximum Credits: 3

First of three courses designed to develop skills in speaking, listening, reading and writing in French. A systematic presentation of grammar will accompany language instruction. Understanding of French culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FR 0042 - ELEMENTARY FRENCH 2

Minimum Credits: 3

Maximum Credits: 3

Second of three courses designed to develop skills in speaking, listening, reading and writing in French. A systematic presentation of grammar will accompany language instruction. Understanding of French culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FR 0043 - ELEMENTARY FRENCH 3

Minimum Credits: 3

Maximum Credits: 3

Third of three courses designed to develop skills in speaking, listening, reading and writing in French. A systematic presentation of grammar will accompany language instruction. Understanding of French culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: FR 0042 with grade of C or better

FR 0080 - MODERN FRENCH NOVEL

Minimum Credits: 3

Maximum Credits: 3

The French novel is to a great extent a genre in which psychological analysis has been brought to a high level of sophistication. This shall be studied through close analyses of approximately six works in English translation.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

FR 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 3

This course enables the student who has completed, or nearly completed, the French major to do research under the direction of a faculty member, on a topics of mutual interest.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

FS 0002 - FRESHMAN SEMINAR

Minimum Credits: 1

Maximum Credits: 1

This course will acquaint freshmen with the many policies and procedures of college life.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FS 0008 - TRANSFER SEMINAR

Minimum Credits: 1

Maximum Credits: 1

This course will acquaint transfer students with the many policies and procedures of college life.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FS 0009 - ESL SEMINAR

Minimum Credits: 3

Maximum Credits: 3

This seminar course is for international students

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

FS 0014 - VILLAGE FIRST -YEAR SEMINAR

Minimum Credits: 3

Maximum Credits: 3

This seminar is for freshmen who are residing in the academic villages.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

FS 0026 - SCIENCE SEMINAR 1

Minimum Credits: 1

Maximum Credits: 1

Intended for students enrolled in both biology and chemistry, this section of first-year seminar is part of a two-semester science learning community experience. The goals for the fall seminar are to aid students in their academic and social transitions to college, to provide students with academic skills needed for the study of science and to foster a better appreciation for career opportunities in science and the scientific approach to problems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

FS 0027 - SCIENCE SEMINAR 2

Minimum Credits: 2

Maximum Credits: 2

This course is the second part of a two-semester science learning community experience designed for first-year biology and chemistry students. The second semester course will continue the themes of the first semester emphasizing continued development of good study habits, further exploration of career options and mastery of skills in scientific thinking.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: FS 0026

FS 1950 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 3

Course content to be decided between the professor and the student.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

GEOG 0101 - WORLD REGIONAL GEOGRAPHY

Minimum Credits: 3

Maximum Credits: 3

A systematic treatment of the physical, historical, cultural and economic processes that have shaped global landscapes. Contemporary regional problems and prospects will be emphasized.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GEOG 0810 - EARTH AND PEOPLE

Minimum Credits: 3

Maximum Credits: 3

Introduces the student to the nature and scope of the field of geography and demonstrates the methodology which geographers use to examine people and land relationships. A number of world regions will be analyzed in this class.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

GEOL 0860 - ENVIRONMENTAL GEOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course takes an integrated earth systems approach to understanding our planet and its resources. We will investigate geologic processes and hazards (e.g., earthquakes, volcanoes, landslides, and weather hazards), geologic resources (water, soil, minerals, energy) and the local and global ramifications of human interaction with the earth (e.g., air, soil and water pollution, ozone depletion, and climate change). This course also serves as an introductory course for three majors in the department of geology and planetary science.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0001 - ELEMENTARY GERMAN 1

Minimum Credits: 5

Maximum Credits: 5

This is an elementary language acquisition course and aims to teach students how to carry out various functions likely to be necessary in dealing with others in the target language. The course aims to develop all four language skills--speaking, listening, reading, and writing, and deals with culture as an integral part of each skill. The language acquisition exercises are supplemented by an integrated and systematic presentation of grammar.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0002 - ELEMENTARY GERMAN 2

Minimum Credits: 5

Maximum Credits: 5

This course completes the introduction of the basic structures of German begun in German 0001. It emphasizes all four language skills--speaking, listening, reading, and writing and deals with culture as an integral part of each skill. The language acquisition exercises are supplemented by an integrated and systematic presentation of grammar.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: GER 0001 or 0111

GER 0003 - INTERMEDIATE GERMAN 1

Minimum Credits: 3

Maximum Credits: 3

Conducted entirely in German, this course provides structured practice in understanding, speaking, reading (unedited texts), and writing. The language-acquisition exercises are supplemented by an integrated and systematic review of grammar, emphasizing those structures that are needed for practical communication in authentic German.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: GER 0002 or 0112

GER 0004 - INTERMEDIATE GERMAN 2

Minimum Credits: 3

Maximum Credits: 3

Conducted entirely in German, this course enables students to describe in past, present, and future time, and to initiate and sustain a conversation.

They discuss contemporary texts and topics, participate in small group activities, and strengthen their writing skills through journal writing.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: GER 0003 or 0211

GER 0011 - CONVERSATION 1

Minimum Credits: 3

Maximum Credits: 3

This course is intended to assist novice level students to strengthen their communicative proficiency. Students learn to handle their needs adequately for travel in Germany or a German-speaking country. In order to encourage oral communication, there is extensive use of audio-visual teaching aids.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0012 - CONVERSATION 2

Minimum Credits: 3

Maximum Credits: 3

Like its companion course, German 0011, this course emphasizes oral proficiency. The course enables students to converse in formal and informal situations, resolve problems, deal with unfamiliar topics, provide explanations, describe in detail, offer supported opinions, and hypothesize. Areas of context are practical, social, professional, and abstract topics, particular interests, and special fields of competence.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0021 - GERMAN READING 1

Minimum Credits: 4

Maximum Credits: 4

The objective of this course is to develop a basic reading knowledge of German. It is a beginning course which introduces all the structures of German grammar. German 0021 is designed for students who wish to acquire basic reading skills in the shortest possible time.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0022 - GERMAN READING 2

Minimum Credits: 4

Maximum Credits: 4

This course is designed to help students obtain an intermediate reading knowledge of German. Students read unedited texts from general fields and from their own areas of specialization. The course includes a systematic review of grammar.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0041 - ELEMENTARY GERMAN 1

Minimum Credits: 3

Maximum Credits: 3

First of three courses designed to develop skills in speaking, listening, reading and writing in German. A systematic presentation of grammar will accompany language instruction. Understanding of German culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0042 - ELEMENTARY GERMAN 2

Minimum Credits: 3

Maximum Credits: 3

Second of three courses designed to develop skills in speaking, listening, reading and writing in German. A systematic presentation of grammar will accompany language instruction. Understanding of German culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

GER 0043 - ELEMENTARY GERMAN 3

Minimum Credits: 3

Maximum Credits: 3

Third of three courses designed to develop skills in speaking, listening, reading and writing in German. A systematic presentation of grammar will accompany language instruction. Understanding of German culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: GER 0042 with grade of C or better

GER 1901 - INDEPENDENT STUDY

Minimum Credits: 0

Maximum Credits: 15

A course designed for students who wish to work independently on individually designed projects.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

GER 1902 - DIRECTED STUDY

Minimum Credits: 0

Maximum Credits: 15

A course for students who wish to work on individually designed projects under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

HCM 0100 - INTRODUCTION TO HEALTHCARE MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

The course will provide students with knowledge of operations management in health care and the background on flow process improvement in healthcare, health provider productivity and benchmarking overview, project management, and lean management, and six sigma tools for healthcare

organizations.

Academic Career: UGRD

Course Component: Lecture

Grade Component: Letter Grade

HCM 1100 - MANAGEMENT, DESIGN, AND OPTIMIZATION OF HEALTHCARE PROCESSES

Minimum Credits: 3

Maximum Credits: 3

This course offers an overview of the evolution of the health care industry's components and describes the technical, economic, political, and social forces that shaped their development.

Academic Career: UGRD

Course Component: Lecture

Grade Component: Letter Grade

HIST 0100 - WESTERN CIVILIZATION 1

Minimum Credits: 3

Maximum Credits: 3

The study of others leads back to ourselves. We learn about men and women from the past in order to compare their experience to our own, hoping that the comparison will make us more aware of the opportunities and limitations of present-day life. As an introduction to history, this course tries to suggest the excitement and uncertainties of studying the past. We begin at the time of the crusades, and continue through Renaissance and Reformation to the eve of Industrial Revolution.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0101 - WESTERN CIVILIZATION 2

Minimum Credits: 3

Maximum Credits: 3

A history of the West from the Industrial Revolution to the late Twentieth Century, the period when Europe and its overseas extensions dominated world history.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0125 - RELIGIONS OF THE WEST

Minimum Credits: 3

Maximum Credits: 3

This course is a historical introduction to the religious traditions that developed in ancient Near East and the Mediterranean. Our major emphasis is on the history of the religious traditions that emerged in late antiquity in this area and which continue to be major world religions: Judaism, Christianity, and Islam. We will also touch on Zoroastrianism. We focus on key concepts, historical developments, and contemporary issues. Throughout the course, we also examine interactions among these religious traditions. In the last part of the course we examine the issue of globalization and the spread of these religions around the world as well as the presence of "non-Western" religion in the "West." The course also serves as an introduction to the academic study of religion and provides a foundation for further coursework in Judaism, Christianity, and Islam. No prior knowledge of any of the religions studied is expected or assumed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0180 - 19TH CENTURY EUROPE

Minimum Credits: 3

Maximum Credits: 3

Through textbook and lecture, the students will become familiar with the major political developments that took place in Europe between the French Revolution and World War I. Original source material will be used to acquaint the students with social roles and attitudes during the period.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 0187 - WORLD WAR II-EUROPE

Minimum Credits: 3

Maximum Credits: 3

The causes of WW II are surveyed, including World War I, the Russian Revolution, the Great Depression, and the rise of fascist regimes. The determinants of German expansionism will be discussed and related to the outbreak of war in 1939. The military struggle receives attention, but such topics as economic mobilization, propaganda, occupation policies, resistance movements and the Holocaust are also discussed. The course concludes with an analysis of war time diplomacy, the Postwar settlement, and the onset of the Cold War.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0302 - SOVIET RUSSIA

Minimum Credits: 3

Maximum Credits: 3

This course examines the history of the USSR from 1917 to the present. Particular attention is paid to the revolutionary transformation of society, the construction of the Soviet state and Soviet society, and to the ways in which state and society relate.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0405 - RELIGION IN ASIA

Minimum Credits: 3

Maximum Credits: 3

An overview of the nature and role of religion in India, China, and Japan set against societal and cultural developments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0410 - HISTORY OF ANCIENT CHINA

Minimum Credits: 3

Maximum Credits: 3

This course will survey China's history from the Neolithic Age through the Late Imperial Age and focus on the political, social, and religious evolution of Chinese civilization.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

HIST 0500 - COLONIAL LATIN AMERICA

Minimum Credits: 3

Maximum Credits: 3

History of Latin America during the period of Spanish and Portuguese Colonial Rule, from 1500 to 1825.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0501 - MODERN LATIN AMERICA

Minimum Credits: 3

Maximum Credits: 3

History of the Latin American republics from independence, in 1825, to the present.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0505 - UPG EXCHANGE: HISTORY OF MEXICO

Minimum Credits: 3

Maximum Credits: 3

The Study Abroad office has approved the general agreement of collaboration between the University of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0575 - HISTORY OF MODERN CENTRAL AMERICA

Minimum Credits: 3

Maximum Credits: 3

This course will cover the history of Central America from conquest to the present day. Emphasis will be on the social and economic development of indigenous peoples, national identity and human rights in the 19th and 20th centuries. The course will also study the history of the influence of the US on the region; with stress on the history of social movements, revolution, tenuous peace agreements, globalization and the continuation of social unrest still present in Central America today.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0600 - UNITED STATES TO 1877

Minimum Credits: 3

Maximum Credits: 3

This is an introductory, lower division, course that develops the history of United States from the 1400s through the 1880s.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0601 - UNITED STATES 1865-PRESENT

Minimum Credits: 3

Maximum Credits: 3

An introduction to American history from the Civil War to the present which emphasizes selected topics on changes in American society and politics as an earlier agrarian society became an industrial-urban one and as the nation took up an ever larger role in world affairs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0640 - AMERICAN MILITARY HISTORY

Minimum Credits: 3

Maximum Credits: 3

A survey of the American military experience from the early colonial period to the most recent experiences in the Gulf War and Afghanistan. The course explores the impact of warfare and military forces in the development of the United States. Emphasis is placed on the context of American warfare and how it has influenced our history and way of life.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

HIST 0675 - WITCHES TO WALDEN POND

Minimum Credits: 3

Maximum Credits: 3

A survey of American religious history from the colonial period through the civil war.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0700 - WORLD HISTORY

Minimum Credits: 3

Maximum Credits: 3

This course is an introductory survey of world history, by which is meant an overview of major processes and interactions in the development of human society since the development of agriculture some 10,000 years ago. It is a selective overview, emphasizing large-scale patterns and connections in political, social, cultural, technological, and environmental history, yet it also provides balance among regions of the world. It encourages students to apply historical techniques to issues of their own interest.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0710 - WORLD HISTORY TO 1500

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the global history of humanity from its beginnings to about the year 1500, emphasizing common trends across regions and cultures.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0711 - WORLD HISTORY 1500 TO THE PRESENT

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the last five centuries of human history: the rise of the Western powers, continuity and change elsewhere in the world, and the emergence of modernity.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0756 - INTRODUCTION TO ISLAMIC CIVILIZATION

Minimum Credits: 3

Maximum Credits: 3

This course aims to introduce students to Islamic and Middle Eastern History from the time of the Prophet (ca. 600 C.E.) to the Iranian Revolution in 1979. We will proceed chronologically, focusing mainly on political events. However, a special emphasis will be given to the formation of the Islamic tradition, its evolution across different regions and cultures in time, and its interaction with other traditions. In the modern era, we will particularly explore the Islamic societies' political, cultural, and military encounter with the rising power of the West in the Middle East. In addition to the several historical processes and developments such as modernization, nation-building, Islamic fundamentalism and globalization, which have shaped the history of the Middle East in the last two centuries, our class discussions will also touch on the main theoretical perspectives that have stamped the studies of Islam and the Middle East. Here, concepts such as orientalism, defensive development, and modernity will constitute our main focus.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 0810 - ENGLAND SINCE 1689

Minimum Credits: 3

Maximum Credits: 3

Surveys the development of English social, political, economic and cultural history to the present.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

HIST 1005 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

This course entails the exploration of a special topic chosen by the instructor.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

HIST 1007 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

This course entails the exploration of a special topic chosen by the instructor.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

HIST 1010 - HISTORICAL INQUIRY AND METHODS

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to the historian's craft. Students will learn the nature of historical knowledge, how to locate, document, and interpret a diverse array of historical evidence, and how to produce a research proposal using primary and secondary sources. It emphasizes that history is both a social science and an interpretive art. Accordingly, it will expose students to recent interdisciplinary trends in historical methodology and historical schools of thought and debate. The primary aim of this course is to instruct prospective and actual history majors in what it means to think, write, and verbally communicate like a historian.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL; Junior or Seniors only

HIST 1035 - 20TH-CENTURY WORLD

Minimum Credits: 3

Maximum Credits: 3

A history of the world between the years 1900 and 2000. Takes a broad, global approach to the political, social, and cultural developments that characterize the twentieth century. The course covers developments in Asia, Europe, and elsewhere, and emphasizes the ideological systems that motivated many of the great conflicts of the century.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1075 - SLAVERY IN THE ATLANTIC WORLD

Minimum Credits: 3

Maximum Credits: 3

Examines slavery in the Americas from the Atlantic perspective (including Africa and Europe) from the fifteenth century through the present, with special emphasis on slave trades, the plantation systems, daily life, slavery and race, resistance, and abolition.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL; Junior

HIST 1087 - WORLD WAR 2

Minimum Credits: 3

Maximum Credits: 3

Examines the Second World War as a global phenomenon, including the Eastern and Western fronts in Europe, the Sino-Japanese War, and the Pacific War. Covers the origins of conflict in the various theaters, the course of the war, and its consequences. While some attention is given to military strategy, emphasis is also placed on the social and political dimensions of the conflict.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SOPHOMORE

HIST 1104 - THE CRUSADES

Minimum Credits: 3

Maximum Credits: 3

An examination of the crusades from both Christian and Muslim perspectives. Emphasizes crusading in and around the holy land, but also gives some attention to crusades within Europe. Considers political, social, and religious contexts in both Latin Europe and the Islamic Middle East.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Sophomore

HIST 1123 - MODERN BRITAIN

Minimum Credits: 3

Maximum Credits: 3

Political, economic and social change in Britain from the early 18th century to the present are examined in depth. Topics include the pre-industrial social structure, the origins of political stability, the making of the Industrial Revolution, popular protest and political reform, Britain's supremacy during the Victorian era, imperialism and the rise of labor, the impact of total war, and the emergence of the welfare state. A discussion of Britain's future prospects concludes the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1140 - HISTORY AND CULTURE OF SPAIN

Minimum Credits: 3

Maximum Credits: 3

This course will survey the history and culture of Spain from medieval times to the present. Emphasis will be placed on Spanish geography, the interaction between the different cultures that lived in Spain, as well as Spanish art, architecture, and literature. The highlights of the course include the rise and fall of the Spanish Empire, the Spanish Civil War, Spain under Franco, Redemocratization and Modern Spain in the 21st century.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1197 - BLACK DEATH: PLAGUE AND HISTORY

Minimum Credits: 3

Maximum Credits: 3

The Black Death, the great epidemic of 1347-1350's was the most profound epidemiological-ecological crisis Europe had ever experienced. Between 30 and 70% of the population of the western world vanished. In the wake of this demographic disaster economic, psychological, social, literary and even artistic processes were profoundly altered. This epidemic can be traced through extensive primary sources ranging from literature to art history - from population statistics through village desertions. This course will introduce these data and examine the consequences of the Black Death.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1313 - HISTORY OF RUSSIAN REVOLUTION

Minimum Credits: 3

Maximum Credits: 3

This course examines the origins, contours, and dynamics of the Russian Revolution of 1917, as well, as the period 1918-1921 during which the new Soviet State fought for its survival.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1314 - USSR 1918-1932

Minimum Credits: 3

Maximum Credits: 3

This course examines the first 15 years of Soviet rule during which the fate of the Revolution of 1917 was determined. The Civil War, new economic policy, collectivization of agriculture, five-year plan, and cultural revolution receive concentrated attention.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1315 - STALIN

Minimum Credits: 3

Maximum Credits: 3

This course examines the USSR during Stalin's reign, 1929-53. Each facet of his reign--industrial development, collectivization, class war, and repression--receive detailed attention as does WWII and the Cold War.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1338 - WEIMAR AND NAZI GERMANY

Minimum Credits: 3

Maximum Credits: 3

Focuses on the factors in German life that made Hitler's success possible and on the Nazi episode in German history. Also covers Hitler's Germany.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Junior

HIST 1340 - TOTALITARIANISM

Minimum Credits: 3

Maximum Credits: 3

This course explores the nature of totalitarianism in the 20th century (i.e. Hitler's Nazi Germany and Stalin's Soviet Russia). Some of the topics which will be covered will include the political and ideological dimensions of totalitarianism, the cult of the leader, and the totalitarian system of governance, terror, and propaganda. Most importantly, the class will focus on human agency: the ways in which individuals participated in totalitarian regimes as perpetrators, collaborators, resisters, bystanders, and victims.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: HIST 0101 or HIST 0130 or HIST 1338 or HIST 1367

HIST 1367 - 20TH CENTURY EUROPE

Minimum Credits: 3

Maximum Credits: 3

Explores the most significant and dramatic episodes of contemporary history, both political and intellectual, including World Wars I and II, Nazi

Germany, Soviet Russia, inflation, depression, and the explosion of cultural modernism.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1522 - BRAZIL

Minimum Credits: 3

Maximum Credits: 3

The course begins with an overview of Brazilian culture and of the country's enormous resource base. Cultural change is traced through the pre-Columbian, colonial, imperial, and republican periods. A major theme throughout is the evolution of a Portuguese heritage into today's distinctive Brazilian national culture. The country is then divided into five regions as a means of understanding its internal diversity. Popular American ideas about subjects like carnival, the Amazon Rainforest, coffee, Copacabana Beach, and the huge foreign debt are also dealt with.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1525 - MEXICO, AZTECS TO THE PRESENT

Minimum Credits: 3

Maximum Credits: 3

Mexican history from the Aztecs to the present. We will discuss the conquest, the Colonial Era, the struggle for independence, nineteenth-century liberalism, the porfirian dictatorship, the Twentieth-Century Revolution, the formation of a single party state, the temptations of socialism, the oil boom, the debt crisis, and the "crisis of the system" now being experienced by Mexico.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1560 - WOMEN IN LATIN AMERICAN HISTORY

Minimum Credits: 3

Maximum Credits: 3

A course tracing the history of women in Latin America from the conquest to the modern day.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

HIST 1580 - 19TH CENTURY LATIN AMERICA

Minimum Credits: 3

Maximum Credits: 3

This course discusses the major political, economic, social and ideological developments of the Latin American world from the Independence Wars (1810-1825) to the first decade of the Twentieth Century. Emphasis will be placed on the similarities and differences among the newly emerging nations as they sought to find individual and recognizable status in the industrialized Western world.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1583 - 20THC LATIN AMERICAN REVOLUTIONS

Minimum Credits: 3

Maximum Credits: 3

A comparative examination of instances of social and political revolution in 20th Century Latin American history. Cases considered include the Mexican Revolution (1910-1917), the Bolivian Revolution (1952), the Cuban Revolution (1959), and the Nicaraguan Revolution (1979).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1585 - US-LATIN AMERICAN RELATIONS

Minimum Credits: 3

Maximum Credits: 3

A survey of US-Latin American from 1800 to the present.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1586 - LATIN AMERICAN REVOLUTIONS

Minimum Credits: 3

Maximum Credits: 3

A comparative examination of instances of social and political revolution in Latin American history. Cases considered include the Haitian Revolution (1791-1804), the Mexican Revolution (1910-1917), the Bolivian Revolution (1952), the Cuban Revolution (1959).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1610 - UNITED STATES COLONIAL

Minimum Credits: 3

Maximum Credits: 3

This is an upper division course that develops the history of the North American English colonies from around 1400 through the early 1760s.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1611 - AMERICAN REVOLUTION 1763-1791

Minimum Credits: 3

Maximum Credits: 3

This is an upper division course that considers the history of Revolutionary America between the 1750s and the 1790s.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1612 - UNITED STATES 1789-1840

Minimum Credits: 3

Maximum Credits: 3

A history of ideas -- social, literary, scientific, political -- that expressed and shaped the culture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1614 - CIVIL WAR HISTORY

Minimum Credits: 3

Maximum Credits: 3

This is an upper division course that considers the impact of the Civil War upon the development of the United States.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1615 - THE UNITED STATES DURING THE GILDED AGE & PROGRESSIVE ERA (1875-1920)

Minimum Credits: 3

Maximum Credits: 3

This course will cover the technological, demographic, and ideological sources and character of economic growth during the gilded age (1875-1900) as well as the social and economic problems that American society experienced during the period. In addition, the course will focus on the attempts of reformers to rectify the nation's social and economic problems during the progressive era (1900-1920).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1616 - ANTEBELLUM AMERICA: FROM THE 1790S TO THE WAR WITH MEXICO

Minimum Credits: 3

Maximum Credits: 3

This is a course in the history of the United States from the late 1780s through the late 1840s. It will focus on the processes involved in the evolution of the United States from a pre-industrial, relatively traditional society into a more modern, industrializing nation. We will consider topics involving commercial, manufacturing, agricultural and demographic development, changes in gender, social-economic and racial relationships, the creation of partisan politics and an analysis of American expansion.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HIST 1618 - THE UNITED STATES FROM THE ROARING TWENTIES THROUGH THE GREAT DEPRESSION, 1919-1941

Minimum Credits: 3

Maximum Credits: 3

An examination of the social, economic and political development of the United States between the end of World War I and the nation's entrance into World War II. An effort will be made to compare developments in the United States between 1919 and 1941 with developments in Europe.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1619 - UNITED STATES SINCE 1945

Minimum Credits: 3

Maximum Credits: 3

Social, economic, and political changes in American society since World War II. Topics include the post-industrial economy, urbanization, women, minorities, education, political movements, government, parties, and political participation. Emphasis is on the massive changes during those years and the impact on people, institutions and government.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1620 - THE VIETNAM WAR

Minimum Credits: 3

Maximum Credits: 3

This course is designed to acquaint the student with American involvement in Southeast Asia, in particular with the second Indochina War. Some attempt will be made to provide a background of Vietnamese historical and cultural perspective. The major portion of the course will focus on American policy, at home and abroad, and the manner in which five American presidents tried to deal with the "Indochina problem".

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

Course Requirements: LVL: Sophomore

HIST 1623 - THE UNITED STATES DURING WORLD WAR 2

Minimum Credits: 3

Maximum Credits: 3

A detailed study of the United States during World War II focusing on U.S. diplomatic activity in the years preceding and during the war, military strategy and tactics and the social, economic and political development of the 'home front.'

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1625 - HISTORY OF THE AMERICAN FRONTIER

Minimum Credits: 3

Maximum Credits: 3

This course explores the settlement and development of frontier regions across the continent, emphasizing 19th century experiences. Diverse and distinctive frontier societies emerged from the processes associated with land acquisition, exploration, Indian relations, Westward migration, economic development, social organization, governance, and urbanization. The different and conflicting interpretations of the frontier experience raise important questions and perspectives about the character of American society.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1645 - AMERICAN ECONOMIC HISTORY

Minimum Credits: 3

Maximum Credits: 3

The course presents a survey of the strategic factors in the economic development of the United States from colonial times to the great depression. The topics covered include the record of economic growth, the process industrialization and its major phases, British mercantilism, the role of technological change, demographic history, the slave economy, distribution of income, urbanization, and the financial sector.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1655 - AMERICAN WORKERS 19TH CENTURY

Minimum Credits: 3

Maximum Credits: 3

This course examines American working class formation, development, and recomposition during the nineteenth century, and workers' impact on American economic, political, and cultural development.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1656 - AMERICAN WORKERS 20TH CENTURY

Minimum Credits: 3

Maximum Credits: 3

This course examines the experiences of American workers during the second Industrial Revolution of the early Twentieth Century, the emergence of a government-sponsored national system of labor relations in the 1930s and 1940s, the structural changes in the economy and labor force since 1950, and the subsequent breakdown of the new deal formula for class relations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1660 - GENDER AND SEXUALITY IN THE US TO 1865

Minimum Credits: 3

Maximum Credits: 3

This upper-level course is part of a two-course sequence which surveys the history of women in the United States. Part 1 focuses on women's experiences from the 1600s to the 1880s with special attention to class, ethnic, and geographic differences among women.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1661 - GENDER AND SEXUALITY IN THE US SINCE 1865

Minimum Credits: 3

Maximum Credits: 3

This upper-level course is part of a two-course sequence which surveys the history of women in the United States. Part 2 focuses on women's experiences from 1865 to the present with special attention to class, ethnic, and geographic differences among women.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1668 - HISTORY OF PITTSBURGH

Minimum Credits: 3

Maximum Credits: 3

This course explores the development of Pittsburgh's life and landscape from its frontier origins in the 18th century to its Renaissance of the mid-20th century. The city and its region are addressed as a case study in American social history and urbanization. Pittsburgh offers the opportunity to examine the transformation from a commercial city to an industrial metropolis with the attendant social, political, labor, and redevelopment issues which characterize American urban life.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1715 - EMPIRES IN THE MODERN WORLD

Minimum Credits: 3

Maximum Credits: 3

Through lecture and discussion, this course reviews empires in world historical context. Themes of governance, economy, war, culture, social organization, and colonies and decolonization are explored in three segments: empires 1400-1800, 1800-2000, and the future of empire.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

HIST 1730 - THE MONGOLS

Minimum Credits: 3

Maximum Credits: 3

Explores the political and social histories of the Mongol Empire and its successor states across Eurasia during the thirteenth and fourteenth centuries and considers their larger world historical context.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Sophomore

HIST 1745 - SPECIAL TOPICS - STUDY ABROAD

Minimum Credits: 1

Maximum Credits: 3

The study of special topics related to a study abroad experience.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

HIST 1753 - THE OTTOMAN EMPIRE (1300-1923)

Minimum Credits: 3

Maximum Credits: 3

This course traces the history of the Ottoman Empire from its origins as an obscure band of frontier warriors, to the highpoint of its geopolitical power in the sixteenth century, and on to its further evolution as an increasingly complex and peaceful society, down to the opening of the period of European imperialism and nation building. It will address not only the Ottomans' political power, but also those economic, social, and cultural factors that helped explain that power and gave the empire such a distinctive place in the history of Western Europe, Balkans and the Middle East.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Sophomore

HIST 1775 - ORIGINS OF CHRISTIANITY

Minimum Credits: 3

Maximum Credits: 3

This course presents a historical-critical investigation of Christian origins. Special attention is paid to varieties of 1st century Hellenistic and Palestinian Judaism within the Greco-Roman world. Primary readings include selected Biblical passages and apocrypha, 1st century historians and philosophers (Josephus, Tacitus, Suetonius, and Philo), the New Testament corpus (including Paul and the Pastorals), and selected readings from the Dead Sea Scrolls. In addition there will be assignments from various modern New Testament critics, historians, and theologians.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HIST 1793 - HISTORY OF IRAN

Minimum Credits: 3

Maximum Credits: 3

Surveys the long history of Iran, also known as Persia, from ancient times to the present. Covers the Persian Empire of antiquity and traces the introduction of foreign cultures over the centuries - Greeks, Arabs, Turks, and Europeans to create the multifaceted society of Modern Iran. Classical culture and religious history are discussed, as are modern political developments in the 20th and 21st centuries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: SOPHOMORE

HIST 1900 - HISTORY INTERNSHIP

Minimum Credits: 1

Maximum Credits: 6

This course enables students to combine academic training and practical work experience related to the major.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

HIST 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 9

Individual project administered under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

HIST 1947 - RISE OF THE NATIONAL SECURITY STATE

Minimum Credits: 3

Maximum Credits: 3

This course examines the history of the National Security State in the United States, tracing its origins from the early 20th century with a particular focus on the rise and expansion at the federal level after WWII. Areas of focus will also include the increasing use of surveillance in the United States, including those by various federal and state agencies, corporations, organizations, and individuals.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: LVL: SOPHOMORE

HIST 1955 - HISTORY CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

This course is to be taken by majors in the senior year. It will presume a basic knowledge of historical information and technique. Utilizing a research seminar format, students will develop a substantial group or individual research project. Following discussion and revision, they will complete this research project. The project will be presented to the seminar in both written and oral form.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Junior

HIST 1970 - UNDERGRADUATE TEACHING ASSISTANT EXPERIENCE

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation as an undergraduate teaching assistant (UTA) for a history course under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

HAA 0010 - INTRODUCTION TO WORLD ART

Minimum Credits: 3

Maximum Credits: 3

This course explores the question 'what is art' through a close analysis of select art works from around the globe, introducing students to the types of questions art historians bring to the images, objects and sites human beings have taken particular care to craft and conceptualize. What role has art played in a diverse range of human cultures across time?

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0030 - INTRODUCTION TO MODERN ART

Minimum Credits: 3

Maximum Credits: 3

The course will present a chronological survey of Western European, Russian, and American art from the mid-nineteenth century to the present (impressionism to post-modernism). In addition to charting the dramatic stylistic and conceptual changes in art during this time period, the course will consider the historical circumstances which caused a disintegration in accepted notions of what constituted a significant work of art.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0050 - INTRODUCTION TO MEDIEVAL ART

Minimum Credits: 3

Maximum Credits: 3

A survey of the architecture, painting, sculpture and minor arts of the medieval world from ca. 300 To ca. 1450 With the emphasis on visual analysis of period styles.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0060 - MASTERPIECES OF WESTERN PAINTING

Minimum Credits: 3

Maximum Credits: 3

This course will help students with no experience in the arts feel comfortable when they visit a museum or discuss paintings, upon completing this course a student should not only have an easy familiarity with some of the greatest masterpieces of European and American painting, but he or she should also have attained the background and skill to understand and to discuss paintings they might discover in a gallery, antique shop or home. This course is especially intended for students without background in the arts.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0090 - INTRODUCTION TO CONTEMPORARY ART

Minimum Credits: 3

Maximum Credits: 3

This course explores the latest developments in contemporary art in the context of changes in world visual cultures since the 1960s. The first weeks will concentrate on the transformations of artistic practice that occurred initially in pop art, and on the minimal-conceptual shift in Western art. This will be followed by a survey of the diversification of artistic practice in the 1980s and 1990s, including the emergence of new internationalisms reflecting postcoloniality, global contemporary art and digital media.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0150 - ANCIENT ART

Minimum Credits: 3

Maximum Credits: 3

The Mediterranean Sea is a lake and its shores have produced many important cultures and artistic traditions. The course will survey the artistic and cultural traditions of Mesopotamia, Egypt, and the Aegean, from the Neolithic to the end of the Bronze Age (ca. 6000-1200 BCE), a formative period for the cultures that developed in these regions. Special attention will be paid to: 1) the relationship between the artistic traditions of these areas and the societies which produced them, and 2) the way in which influences from one culture were transformed by another.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 0225 - MEDIEVAL ART AND ARCHITECTURE

Minimum Credits: 3

Maximum Credits: 3

This course offers a survey of architecture, sculpture, painting and mosaics from the medieval period, dating from the 4th through the 13th centuries. The transformation of artistic styles during these 10 centuries used the stylistic foundations of the early Christian period as a point of departure, as medieval styles evolved into the Hiberno-Saxon Carolingian, Ottonian, Romanesque and gothic movements. Socio-economic developments and

religious philosophies will also be examined from these periods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 0302 - RENAISSANCE ART

Minimum Credits: 3

Maximum Credits: 3

We will explore the arts - painting, sculpture, architecture, and the decorative arts - that flourished in Italy between 1250 and 1590. The renaissance is one of the great epochs of western culture; this course offers an introduction to the visual evidence that reveals the development of new attitudes about human life and its meaning. Emphasis will be on works of those revolutionary individuals who transformed the arts - Giotto, Donatello, Brunelleschi, Michelangelo, Leonardo, Raphael, Bellini, titian, and Palladio, to name only the most important.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 0304 - VISUAL CULTURE AND GLOBAL IDENTITY IN FLORENCE

Minimum Credits: 3

Maximum Credits: 3

Florence, the regional capital of Tuscany, is located in central Italy and is considered by many the birthplace of the Renaissance. Florence lays claim to innovators of culture and science such as Dante, Giotto, Brunelleschi, Leonardo, Michelangelo, Galileo, and many more. Giorgio Vasari, a 16th-century artist and biographer, attributes this confluence of talent to God's divine will and grace, and affixes the identity of Florence with the Renaissance. Using the theoretical construct of semiotics, that is, the play of word and image relationships, students will examine the rich written and visual culture of Florence to formulate an understanding of Florentine identity. Trips to Siena and Pisa will provide contrasting examples of Tuscan identities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0350 - BAROQUE ART

Minimum Credits: 3

Maximum Credits: 3

This course will consider the careers of the major painters and sculptors of Italy (Caravaggio, the Carracci, Bernini, Cortona, Gaulli), Spain (Ribera, Zurbaran, Velazquez, Montanes, Murillo), France (G. De la Tour, P. De Champaigne, Poussin, Claude, le Brun, Puget), Flanders (Rubens, van Dyck, Jordaens) and Holland (Hals, Rembrandt, Vermeer, Ruisdael) in the 17thC. It will also consider definitions of the term "baroque" in relation to the history of taste and later responses to 17thC artistic achievement.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 0370 - REMBRANDT

Minimum Credits: 3

Maximum Credits: 3

This core level art history course, intended for a beginning student with no background in art history (but also open to devotees and majors), offers an introduction to Rembrandt by an intensive examination of his life, and his art; paintings, drawings, and etchings. The course is arranged

chronologically, so that as the term proceeds we follow Rembrandt from his earliest training and his fascination with baroque dynamism through his greatest success as Amsterdam's most popular portraitist to his moving and universal final works.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0402 - WOMEN ARTISTS, 1550-1800

Minimum Credits: 3

Maximum Credits: 3

This course will focus on women artists from the late renaissance, when they first emerged and achieved some success, to the present. The social context in which women artists functioned and the roles played by the most successful women of each century in opening opportunities for the succeeding generation will be considered. Sofonisba Anguissola, Artemisia Gentileschi, Elisabetta Sirani, Judith Leyster, Rachel Ruysch, Rosalba Carriera, Angelica Kauffman, eE. Vigee Lebrun, Rosa Bonheur, Mary Cassatt, Berthe Morisot and many 20thC women artists will be covered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 0501 - AMERICAN ART

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to American painting, sculpture, and architecture, with an emphasis on painting, from the colonial period to the post-World War II era. Students will also learn the vocabulary of visual analysis and become familiar with the scope of art historical methodology. Students should leave the class with a broad understanding of the contexts in which American artists worked, a fund of information about artists and monuments of art in the American heritage, skills in visual analysis, and the capability to focus several types of critical questions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 0810 - EXPERIMENTAL CINEMA

Minimum Credits: 3

Maximum Credits: 3

This course examines the development of experimental cinema beginning in Europe in the 1920s with dada and surrealist films by Marcel Duchamp, Luis Bunuel and others, and continuing in the U.S. and elsewhere after World War II. The films, many of which are non-narrative and some of which are "abstract", will be examined for the ways in which cinema is used for the filmmakers' personal expression. Consideration will be given to the artistic and cultural contexts in which the films were made, and comparisons will be made with other media, especially painting and sculpture.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 1005 - ART AND FORENSIC ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

"Each work of art tells a story, "... The story of its making and meaning, of the material choices made by the artist, and of its survival more or less unharmed, through time. Object-based research can be used to establish the story line, and aided by scientific analysis, art historical and art technological source research, the plot may be revealed." [University of Glasgow, website for technical art history] this course will examine the mysteries of works of art from the medieval and early modern periods, roughly CA. 1000-1800. How were they made? What materials and techniques were used? Does the work of art look how it did originally? Why, or why not? What do historic and modern methods of conservation and

restoration reveal about the object? We will explore these questions through readings, videos, and hands-on examination of materials and conservation techniques.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HAA 1010 - APPROACHES TO ART HISTORY

Minimum Credits: 3

Maximum Credits: 3

HAA 1010 is the capstone research seminar required of all HAA majors and is an official w-course. Students in this class will conduct extensive readings on a special topic devised by the course instructor. Each student in the class will be required to produce a substantive research paper under the guidance of the instructor. Students will work to master the skills that are fundamental to the discipline and broader arts related professions: critical thinking, research, and written and oral communication.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: Letter Grade

Course Requirements: PREQ: at least one HAA course; LVL: junior

HAA 1015 - METHODS OF ART HISTORY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the theories and basic methods used by art historians, and to the research tools needed to employ these methods. We will explore the different approaches to art objects and their historical contexts used in the discipline of art history. The goal of this course is to teach the student how to read critically as well as to learn to identify, interpret, and use a variety of research methodologies as you collect, read, analyze, and discuss representative texts.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: LVL: Junior; HAA 0010; VAPA Major or HAA Minor.

HAA 1300 - SPECIAL TOPICS-RENAISSANCE

Minimum Credits: 3

Maximum Credits: 3

Special topics in Renaissance art.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: At least one HAA course; LVL: Sophomore

HAA 1304 - LEONARDO, MICHELANGELO AND RAPHAEL: PAINTING IN 16TH-C ITALY

Minimum Credits: 3

Maximum Credits: 3

This course will cover painting and sculpture in Italy from 1480 to 1580, emphasizing major figures (Leonardo, Raphael, Michelangelo, Giorgione, Titian, Veronese, Andrea del Sarto, Salvatiore, Vasari) and consider relevant art theory and historiography (High Renaissance, Mannerism and Mannerism).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: At least one HAA course; LVL: Junior

HAA 1410 - REALISM AND IMPRESSIONISM

Minimum Credits: 3

Maximum Credits: 3

These movements in 19th century European art were important in the formation of later modern art currents. The course will consider the major developments in Romanticism, then study Courbet, Manet and Degas, and finally move to the major impressionist masters, Monet, Renoir, Sisley, and Pissarro. Much attention will be given to the literary and scientific framework for the art of the period.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any HAA or FA course or permission of instructor

HAA 1601 - SPECIAL TOPICS-JAPANESE

Minimum Credits: 3

Maximum Credits: 3

Special topics in Japanese art.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 1602 - SPECIAL TOPICS-ASIAN

Minimum Credits: 3

Maximum Credits: 3

Special topics in Asian art.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 1710 - UPG EXCHANGE: HISTORY OF MEXICAN ART

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the University of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

HAA 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

Independent reading and research with one faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: Satisfactory/No Credit

HAA 1903 - HISTORY OF ART AND ARCHITECTURE INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Academic credit is awarded for practical professional experience gained through a directed internship. The internship is arranged by the student through the University internship office in consultation with the undergraduate advisor in art history.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

Course Requirements: PREQ: At least one HAA course; LVL: Junior

HAA 1955 - VISUAL AND PERFORMING ARTS CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: HAA 0010 and 1010 and MUSIC 0211 and 0411 and THEA 0104 and 0805 or 0806; LVL: Senior

HUMAN 0105 - STUDY ABROAD EXCHANGE PROGRAM

Minimum Credits: 1

Maximum Credits: 18

The study abroad exchange program represents credits earned in an approved exchange agreement between one of the University of Pittsburgh campuses and another educational institution.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: Satisfactory/No Credit

HUMAN 0300 - VILLAGE SEMINAR IN THE HUMANITIES

Minimum Credits: 3

Maximum Credits: 3

The village seminar is a special topics course designed to give members in one of the academic villages an opportunity to take a course that provides an interdisciplinary perspective on a contemporary issue. The seminar will be team-taught by faculty from different disciplines with expertise on the current topic.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

HUMAN 1030 - DIGITAL HUMANITIES

Minimum Credits: 3

Maximum Credits: 3

This interdisciplinary, skill-building course will give students critical perspective on and practical experience with digital methods for generating, archiving, and researching cultural resources in the humanities and history. Students will investigate a) methods used to access a variety of software and internet technologies, b) potentials and limits of research in current digital resources, both public and proprietary, and c) design, production, and use of new digital resource material.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HUMAN 1050 - DIGITAL HUMANITIES: CODING AND DATA VISUALIZATION

Minimum Credits: 3

Maximum Credits: 3

This course involves preparing electronic texts for public access with systematic markup language, such as XML, with emphasis on data extraction and visual analysis of literary and historical texts; creating bar, line, and network graphs, and geographic and image mapping. (The emphasis in this alternative course is less on creating digital editions of texts and more on data extraction and visualization from digital texts prepared as information databases.)

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

HUMAN 1055 - ARTS ENTREPRENEURSHIP

Minimum Credits: 3

Maximum Credits: 3

A seminar class in which students would: discuss real-world issues with guest speakers; learn skills such as creating and maintaining a program budget; and create their own brand and related self-marketing materials and online presence, in the form of a website, YouTube channel, etc. (dependent on the student's needs), in preparation for grad school or the post-commencement working world.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SOPHOMORE

HUMAN 1100 - ARTS TIMELINE

Minimum Credits: 1

Maximum Credits: 1

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: HAA 1015; Senior; VAPA Major

HUMAN 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

Independent study is a program of academic reading and research taken under the direction of a faculty sponsor.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: Satisfactory/No Credit

HUMAN 1955 - HUMANITIES AREA CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior humanities area of concentration majors.

Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

INFSCI 0010 - INTRODUCTION TO INFORMATION, SYSTEMS AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

Introduction to the concepts, principles, and skills of information science for students with no programming experience. Topics include: the need for information and the use of information, data collection, coding, storage and retrieval, information processing, information display, and the evaluation of information.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 0011 - INTRODUCTION TO INFORMATION SCIENCE ADVANCED

Minimum Credits: 3

Maximum Credits: 3

This course will introduce both information theory and the design and structure of information systems. You will learn how computers and networks work at a fundamental level. You will explore how social networks, collection of information (databases), and programming languages work. The course will spend particular attention on security and privacy issues. The course will provide you with basic skills such as building web page, programming using simple JavaScript on web pages, design and use of simple databases, and manipulation of digital media. The course meets the quantitative requirement for the college of arts & sciences, is designed for students with minimal prior technical coursework, and does not require previous programming experience.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 0012 - INTRODUCTION TO PROGRAMMING

Minimum Credits: 3

Maximum Credits: 3

Introduction to concepts, principles, and skills of programming, including compilers, algorithms, and problem solving using a high level programming language such as c. Intended for students with little or no programming experience who seek an information science major.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 0015 - DATA STRUCTURES AND PROGRAMMING TECHNIQUES

Minimum Credits: 3

Maximum Credits: 3

Definition, description, and implementation of several information structures such as linked lists, stacks, and queues, using a scientific programming language (e.g., C).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0422

INFSCI 0017 - FUNDAMENTALS OF OBJECT-ORIENTED PROGRAMMING

Minimum Credits: 3

Maximum Credits: 3

First programming course for is majors, designed for students with little or no programming experience. Basic principles and concepts of object-oriented programming using java. Classes, interfaces, operators, program control, arrays, testing, debugging, inheritance, polymorphism, and event handling. Techniques for simplifying the programming process and improving code quality. Activity-based learning.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 0018 - FILE PROCESSING

Minimum Credits: 3

Maximum Credits: 3

The design of file organizations and their utilization in an integrated data processing system; utilizing COBOL programming language to implement sequential, indexed sequential, and random access file processing systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1012 - LISP AND SYMBOLIC PROGRAMMING

Minimum Credits: 3

Maximum Credits: 3

Introduction to the lisp programming language and the basic concepts of symbolic programming. Programming examples include several basic techniques used in artificial intelligence such as: search in a symbolic problem space, the use of rule based inference systems, and the representation of knowledge in frames.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1014 - GRAPHICS

Minimum Credits: 3

Maximum Credits: 3

Techniques for producing graphical displays using computers. How to design and create computer graphics. Overview of artistic and technical knowledge needed to create graphics. What makes a good graphical display will be investigated.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0422

INFSCI 1017 - IMPLEMENTATION OF INFORMATION SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

Second programming course for is majors. Advanced java language features required for professional software development. Data structures, oo design, graphical user interfaces, exception handling, multithreading, i/o, web and network programming.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 0017

INFSCI 1022 - DATABASE MANAGEMENT SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

The design, implementation, and utilization of database management systems. Contrasts the methodologies of file systems, data management systems, and database management systems. Various data structures (e.g., Tree, network, linked list) and several database models (e.g., The Codasyl database task group model and the relational database model). Administrative tasks required in database management are considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 0010

INFSCI 1024 - ANALYSIS OF INFORMATION SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

This course provides state-of-the-art skills in requirements management and scope management, which is critical for successful IT projects. Topics include best practices in eliciting, documenting, verifying and modeling requirements. This is an active learning course where students develop an analysis model for a realistic IT project which can serve as a foundation for INFSCI 1017 and INFSCI 1025. The analysis model is suitable for inclusion in the student's IT portfolio.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 0010

INFSCI 1028 - DATA VISUALIZATION

Minimum Credits: 3

Maximum Credits: 3

Applies principles of human perception and graphic design to the problem of visualizing data. Includes the study of software tools and techniques for analyzing data and creating visualizations that aid in the understanding of and communication about complex data.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 1022; (CS 0405 or CS 0421)

INFSCI 1032 - ONLINE RETRIEVAL SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

An introduction to hardware, software, and other resources required for interactive system development and the searching capabilities of an interactive textual retrieval system. Dialog, BRS and various CD-ROMs are presented as models of interactive textual retrieval systems. Students will create small databases utilizing available software.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1037 - INFORMATION TECHNOLOGY PROJECT MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

This course presents a structured methodology to plan, manage, and control a project from inception to implementation. Topics will include

identification of necessary resources, status reviews to manage risk of delays or failure, use of a Work Breakdown Structure and Project Management software, along with the change management process as a framework to analyze the impact of changes.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 1022 and INFSCI 1070.

INFSCI 1038 - MANAGEMENT INFORMATION SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

To provide students with an appreciation of the actual working environment of the typical misdepartment within the business community, including organizational structure and communication, budgeting issues, personnel issues, equipment acquisition and installation, planning for daily operations, and system evaluation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Senior; INFSCI 1037

INFSCI 1044 - HUMAN FACTORS IN SYSTEM DESIGN

Minimum Credits: 3

Maximum Credits: 3

Examines human-machine designs with special emphasis on human-computer interaction. Topics center on how to analyze, create, and improve equipment and environment to be compatible with human capabilities and expectations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

INFSCI 1050 - BEHAVIORAL MODELS

Minimum Credits: 3

Maximum Credits: 3

Examines the roles of models and theories in science, and surveys several approaches to modeling cognitive and behavioral phenomena. Topics include: mathematical modeling, representational modeling, expert/novice differences and user models, psychological and computer simulation methods, the roles of analogy, metaphor, learning, and other cognitive processes in the development and use of cognitive models, and the role of models in the development of science and scientific theory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1052 - USER CENTERED DESIGN

Minimum Credits: 3

Maximum Credits: 3

Introduces principles and programming of interactive systems. Interaction techniques are surveyed and incorporated in the design of interfaces.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0422 and INFSCI 1044

INFSCI 1053 - DIGITAL FORENSICS

Minimum Credits: 3

Maximum Credits: 3

An introduction to the collection, analysis, and preservation of digital evidence in criminal investigation. A summary of legal issues and challenges will be augmented by discussion of current trends which impact practitioners. Examples of software and other tools will be used to illustrate techniques. Prerequisites: instructor permission

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1058 - WEB PROGRAMMING

Minimum Credits: 3

Maximum Credits: 3

This course will introduce the PHP scripting language. Students will download and install the apache web server, PHP, and MySQL database. The course will cover programming concepts, client server architecture, database access and XHTML/cascading style sheets. Students will write a full scale web application as their final project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CS 0421 and INFSCI 1022

INFSCI 1068 - GEOSPATIAL INFORMATION SYSTEMS (GIS)

Minimum Credits: 3

Maximum Credits: 3

Introduction to geographic information system (GIS) concept and technology including spatial data sources, spatial data models and structures, spatial database management, map projection systems, geocoding and Georeferencing, spatial analysis, spatial data visualization (maps), GIS applications (e.g., Address-location finding, navigation, routing), and commercial GIS software packages.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 1022

INFSCI 1070 - INTRODUCTION TO TELECOMMUNICATIONS AND NETWORKS

Minimum Credits: 3

Maximum Credits: 3

Introduction to telecommunications and networks. Top-down orientation relates networking technologies to organizational goals and needs. Data communications and internet technologies and basic system performance analysis. TCP/IP, lans, wans, internetworking, and signals and communications media.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 0010 and (MATH 0031 or MATH 0020)

INFSCI 1071 - APPLICATIONS OF NETWORKS

Minimum Credits: 3

Maximum Credits: 3

Second course in telecommunications and networks. Network architecture, protocols, performance, design, and analysis based on application needs,

organizational requirements, user requirements, and performance objectives.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 1070

INFSCI 1072 - INTRODUCTION TO WIRELESS NETWORKS

Minimum Credits: 3

Maximum Credits: 3

Introductory broad overview for students with a basic background in telecommunications. Not for telecom majors. Principles of wireless communications and how they differ from wired communications. Fundamental concepts including: transmission and mitigation techniques (e.g., Modulation and coding, propagation, interference and antennas) for wireless systems, multiplexing techniques, wireless system architectures, mobility management, security, protocols and location technology. Systems include: cellular phone networks (e.g., Cdma2000, umts), wireless local area networks (e.g., IEEE 802.11G), personal area networks (e.g., Bluetooth), fixed point broadband wireless (e.g., WiMAX) and satellite systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: INFSCI 1070

INFSCI 1073 - APPLICATION DEVELOPMENT FOR MOBILE DEVICES

Minimum Credits: 3

Maximum Credits: 3

Focus on information system applications that run on top of wireless infrastructure such as multimedia messaging, mobile inventory control, location aware services including wireless technologies (GSM, cdma2000, umts, 802.11, Bluetooth), mobile information systems and applications (m-business, location-based services, wireless CM), wireless information system challenges and architectures (security, reliability, mobility, power conservation, gateways, proxies), mobile application protocols (SMS, EMS, MMS, WAP), thin and thick client mobile application development (WML, vSMLI, Java, J2ME, J2EE, .NETCF, C+), and business case studies of mobile applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1074 - COMPUTER SECURITY

Minimum Credits: 3

Maximum Credits: 3

Overview of information security. Principles of security including confidentiality, integrity, and availability. Operating systems and database security concepts. Basic cryptography and network security concepts. Secure software design and application security. Evaluation standards, security management. Social, legal and ethical issues. Human factors in security.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1075 - NETWORK SECURITY

Minimum Credits: 3

Maximum Credits: 3

Network security and cryptographic protocols. Network vulnerabilities, attacks on TCP/IP, network monitoring, security at the link, network and transport layers. Cryptography, e.g., Secret and public key schemes, message authentication codes and key management. WLAN security, IPsec, SSL, and VPNs. E-mail security (PGP, S/MIME); Kerberos; X.509 Certificates; AAA and mobile IP; SNMP security; firewalls; filters and gateways. Policies and implementation of firewall policies; stateful firewalls; firewall appliances. Network related physical security, risk management and disaster

recovery/contingency planning issues and housekeeping procedures.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1078 - ETHICS IN COMPUTING

Minimum Credits: 3

Maximum Credits: 3

An introduction to cyber-ethics. Considers ethical issues both from the professional perspective, as applied to computing professionals, and also from the perspective of the user or consumer of technology in society today.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGCOMP 0020

INFSCI 1080 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

Development of readings, research, and practical implementation of a system or other forms of study as arranged between student and instructor.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

INFSCI 1085 - INTERNSHIP

Minimum Credits: 3

Maximum Credits: 3

Supervised work in an information environment providing a frame of reference for understanding and an opportunity to apply the skills, methodologies, and theories presented in information science courses.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Satisfactory/No Credit

INFSCI 1086 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 2

Supervised work in an information environment providing a frame of reference for understanding and an opportunity to apply the skills, methodologies, and theories presented in information science courses.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

INFSCI 1092 - SPECIAL TOPICS: SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

Advanced class focusing on current or specialized topic in systems area.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

INFSCI 1680 - SOCIAL MEDIA

Minimum Credits: 3

Maximum Credits: 3

This course examines the use of social media for marketing, recruiting, research, collaboration on projects, customer engagement and applications in a variety of organizations. Metrics to evaluate competitive position and the success of new approaches to social media will be covered. Students will complete a project to recommend social media applications for a small organization.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INFSCI 1950 - UNDERGRAD TEACHING ASSISTANT EXPERIENCE

Minimum Credits: 1

Maximum Credits: 3

Involves student participation as an undergraduate teaching assistant (UTA) for an Information Science course under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Letter Grade

IL 0020 - DIRECTED TUTORING

Minimum Credits: 1

Maximum Credits: 3

Provides pre-education majors with tutoring experiences in area school districts or other field settings.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ADMPS 1001, (PSY 1001 or PSYED 1001), IL 1000, IL 1330

IL 0201 - UNIVERSITY OF PITTSBURGH GREENSBURG EXCHANGE: TEACHING ENGLISH AS A FOREIGN LANGUAGE

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the University of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

IL 0202 - UNIVERSITY OF PITTSBURGH GREENSBURG EXCHANGE: TEACHING READING AND WRITING

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the University of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

IL 1000 - INTRODUCTION TO TEACHING

Minimum Credits: 3

Maximum Credits: 3

Introduction to teaching explores contemporary perspectives of education. It provides a basic introduction to instructional planning, curriculum, and classroom management. Additionally, the class provides opportunities for practice of proven teaching strategies designed to meet individual student needs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: ADMPS 1001; COREQ: PSY 1001 or PSYED 1001

IL 1060 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 1

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to teaching exceptional students in mainstream classrooms. It will provide students who plan to become educators with opportunities to (1) develop a knowledge base of attitudinal issues regarding inclusive educational practices and a philosophical orientation towards effective inclusion strategies, (2) increase interpersonal skills for working effectively with individual and groups, and (3) increase technical skills in observing, planning, assessing and evaluation for both behavioral and instructional challenges.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ADMPS 1001; (PSY 1001 or PSYED 1001)

IL 1061 - EDUCATION OF EXCEPTIONAL STUDENTS IN THE CLASSROOM 2

Minimum Credits: 3

Maximum Credits: 3

In this course, knowledge and attitudes introduced in I&L; 1060 will be enriched as students obtain additional strategies for supporting students with special needs in their classrooms. Specific foci include: (1) developing management and behavioral intervention plans, (2) developing additional accommodation and support strategies, (3) working with students with mental illness, and (4) enhancing the skills introduced in I&L 1060. Students will also partake in field experiences in classrooms with included students.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1060, (IL 1330 or 1332); PLAN: Early Childhood Education CREQ: IL 1700 or IL 1702

IL 1075 - GIFTED EDUCATION

Minimum Credits: 3

Maximum Credits: 3

Allows students to delve into the topic of gifted education. Students will learn not only the definition of gifted education and the varied ways of recognizing giftedness, but will also learn how to support the intellectual, social, and emotional needs of gifted students. The integrated field experience allows students to connect university learning to in-school practices, promoting a seamless learning experience.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: (IL 1330 or IL 1332 or IL 1333) and IL 1060

IL 1150 - HEALTH EDUCATION IN THE PRIMARY YEARS: ISSUES AND STRATEGIES

Minimum Credits: 3

Maximum Credits: 3

This course provides the background information and skills teachers need to implement comprehensive school health education at the grade level at which they are certified. Information is provided on school health services, safe and healthful school environment, comprehensive school health curriculum, and instructional strategies and technologies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1324; IL 1700; PLAN: Early Childhood Education Major

IL 1161 - SOCIAL STUDIES IN THE PRIMARY YEARS

Minimum Credits: 2

Maximum Credits: 2

Designed to prepare the Undergraduate early childhood student to effectively teach social studies at the early childhood school level. The practical competencies needed for teaching social studies are explored, developed and experienced.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1324; IL 1700; PLAN: Early Childhood Education Major

IL 1210 - EMERGENT LITERACY

Minimum Credits: 3

Maximum Credits: 3

This course focuses on children's language acquisition and early literacy development. Included are research, instructional models and strategies, curriculum design, assessment practices, and the selection and use of children's literature in the development of the necessary foundations for effective speaking, listening, reading, and writing.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGLIT 1640; PSY 0310; (PSY 1001 or PSYED 1001); PLAN: Early Childhood Education Major CREQ: IL 1700

IL 1215 - READING IN THE PRIMARY YEARS

Minimum Credits: 3

Maximum Credits: 3

As one of three courses designed to examine the development of literacy from the earliest years through grade four, this course focuses primarily on the teaching of reading in the early elementary grades. Theories and research are examined, and a variety of instructional practices and materials are presented for teaching children how to read and comprehend the meaning of various types of written text. Included are means of assessment for analyzing children's reading abilities and for differentiating reading instruction based on those analyses.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGLIT 1640; IL 1700; PLAN: Early Childhood Education Major CREQ: IL 1225

IL 1218 - ASSESSMENT IN EDUCATION

Minimum Credits: 3

Maximum Credits: 3

This course focuses on research, policies, and best practices related to assessment in educational settings. Both formal and informal instruments and approaches will be discussed with an emphasis on means of assessment that can be used by teachers of young children to link assessment to curriculum planning, to guide children's development, and to evaluate programs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0050, MATH 0052; IL 1330; PLAN: Early Childhood Education Major CREQ: IL 1700

IL 1220 - LANGUAGE ARTS IN THE PRIMARY YEARS

Minimum Credits: 3

Maximum Credits: 3

As one of three courses designed to examine the development of literacy from the earliest years through grade four, this course focuses primarily on writing, speaking, and listening abilities. Included are the theories, research, instructional approaches, and materials needed to support children during the early elementary grades in communicating effectively through various types of writing, through appropriate speech for differing situations, and through active listening to others' communication. Topics such as spelling, grammar, handwriting, and the writing process also are addressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ENGLIT 1640; IL 1700; PLAN: Early Childhood Education Major CREQ: IL 1225

IL 1222 - MATHEMATICS IN THE PRIMARY YEARS

Minimum Credits: 3

Maximum Credits: 3

This course is designed to provide the theoretical background and the pedagogical and psychological concepts necessary for planning, implementing, and assessing a mathematics program for the early elementary grades. A variety of instructional approaches will be introduced, with particular emphasis on teaching mathematics through problem solving and active learning experiences. Contents will include the selection and preparation of appropriate instructional materials for effectively facilitating the learning of mathematical content and process skills, and for integrating this learning with other areas of the elementary school curriculum.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0050, MATH 0052, IL 1700; PLAN: Early Childhood Education Major CREQ: IL 1225

IL 1225 - PEDAGOGY LAB - LITERACY AND MATHEMATICS

Minimum Credits: 1

Maximum Credits: 1

A one credit course that is required of all students pursuing early childhood education. The pedagogy lab allows students to experience in actual classroom settings the implementation of pedagogical techniques learned in the content courses, particularly the literacy and mathematics courses. Dual placements of 15 hours each are arranged at two different levels in the early elementary grades: k-1 and 2-4. The lab experience is intended to create an essential bridge that spans content and pedagogy in order to connect theory to practice.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1700; PLAN: Early Childhood Education Major CREQ: IL 1215, IL 1220, IL 1222

IL 1230 - INTRODUCTION TO INQUIRY IN ENGLISH EDUCATION

Minimum Credits: 3

Maximum Credits: 3

The course is designed to introduce students to basic issues in the teaching of writing, literature, and language with special emphasis on class discussions.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: Letter Grade

IL 1235 - TEACHING ENGLISH IN SECONDARY SCHOOLS

Minimum Credits: 3

Maximum Credits: 3

The core competencies to be acquired and developed by students in this course are (1) the theory of teaching English by performance objectives; (2) methods of teaching grammar, composition, literature, oral communication, and media; and (3) strategies for curriculum development, as well as course unit and daily lesson plans.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1702; CREQ: IL 1236; PLAN: Secondary Education Major

IL 1236 - PEDAGOGY LAB - ENGLISH

Minimum Credits: 1

Maximum Credits: 1

A one credit course that will be required for all students enrolled in the English methods course. The pedagogy lab will allow students to experience firsthand the implementation of pedagogical techniques, as learned in the content methods course, being used to teach content in an actual 7-12 classroom setting. This course is intended to create an essential bridge that spans content and pedagogy in order to connect theory to practice.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1235; PLAN: Secondary Education Major

IL 1237 - TEACHING SPANISH METHODS IN K-12 CLASSROOMS

Minimum Credits: 3

Maximum Credits: 3

This course familiarizes pre-service Spanish educators with (1) strategies for developing materials and teaching Spanish to k-12 students; (2) the Pennsylvania and national standards for foreign language learning in the 21st century; and (3) resources for teaching Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Admission to GSPED-BS (Spanish Education major); COREQ: IL 1238

IL 1238 - PEDAGOGY LAB- SPANISH

Minimum Credits: 1

Maximum Credits: 1

One credit course required for all students enrolled in the Spanish methods course. Allows students to experience firsthand the implementation of pedagogical techniques, as learned in the content methods course, being used to teach content in an actual k-12 classroom setting. Intended to create an essential bridge that spans content and pedagogy in order to connect theory to practice.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Admission to GSPED-BS (Spanish Education major); COREQ: IL 1237

IL 1260 - INTRO TO SOCIAL STUDIES EDUC

Minimum Credits: 3

Maximum Credits: 3

A basic introductory course; primary focus is upon secondary schools as institutions in contemporary society and the role of social studies programs and teachers within this context.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

IL 1270 - INTEGRTG ART & MUSIC ELEM CLSSRM

Minimum Credits: 3

Maximum Credits: 3

To introduce preservice classroom teachers to art and music contents and processes with relevance to their expected role in integrating authentic arts learning experiences in their instruction. Emphasis is placed on developmental aspects of children's responsive and expressive skills in art and music.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

IL 1275 - INTEGRATING THE CREATIVE ARTS

Minimum Credits: 3

Maximum Credits: 3

This course focuses on the development of the concepts and skills underlying creative arts programs for children from pre-kindergarten through grade four. Introduced will be a variety of approaches for facilitating the learning of content and skills drawn from the visual arts, music, drama, and dance, and for integrating this learning with other areas of the curriculum.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1330

IL 1280 - TEACHING SOCIAL STUDIES IN SECONDARY SCHOOLS

Minimum Credits: 3

Maximum Credits: 3

This course extends general secondary education strategies and applies them to secondary social studies. Specific techniques to teach geography, history, economics, and other social studies disciplines are the focus. Background social studies information, typical to 7-12 classes, is included.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1702; CREQ: IL 1281; PLAN: Secondary Education Major

IL 1281 - PEDAGOGY LAB - SOCIAL STUDIES

Minimum Credits: 1

Maximum Credits: 1

Taken in conjunction with IL 1280 teaching social studies in secondary schools, this lab experience will be jointly planned by a university professor and a classroom teacher with the intent of increasing the transfer of learning from university to school classroom. Candidates will observe techniques taught in class being applied with 7-12 grade students, will plan lessons for those students, and implement best practices within the secondary classrooms.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1280; PLAN: Secondary Education Major

IL 1298 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 6

The student proposes and carries out an independent study project under the direction and supervision of an appropriate member of the faculty.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SU3 Elective Basis

IL 1324 - ENGAGING YOUNG CHILDREN IN LEARNING

Minimum Credits: 3

Maximum Credits: 3

This course focuses on the establishment of an educational curriculum and environment that fosters the growth and development of children in all areas -- cognitive, social, physical, and emotional ' during the pre-kindergarten and early kindergarten periods. Components of the course include the foundations of early childhood education; curriculum models and approaches; classroom management and scheduling; integrated instructional planning, including play; observation and other assessment approaches appropriate for use with very young children; and indoor and outdoor environmental design. One component of the course is a field experience in a pre-kindergarten setting.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1330, IL 1700; PLAN: Early Childhood Education Major

IL 1330 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - EARLY CHILDHOOD

Minimum Credits: 3

Maximum Credits: 3

This course focuses on basic teaching strategies for prospective teachers of education. It focuses on instructional planning, classroom management, and models of instruction, instructional technologies, and the interactive skills of classroom teaching. The selection and organization of content is examined in terms of such factors as the availability of resources, curriculum standards, research trends, preferred teaching and learning strategies, desired learning outcomes, thinking and study skills, and students' development and cultural needs. Extensive use is made of taxonomies of learning for defining objectives and analyzing questioning, teaching, instructional design, and assessment strategies. The instructional needs of special education students within the regular classroom setting are addressed. This course includes both lecture and hands-on activities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ADMPS 1001; PSY 0310, (PSY 1001 or PSYED 1001)

IL 1332 - STRATEGIES AND TECHNIQUES OF INSTRUCTION - SECONDARY

Minimum Credits: 3

Maximum Credits: 3

This course focuses on basic teaching strategies for prospective teachers of education. It focuses on instructional planning, classroom management, model of instruction, instructional technologies, and the interactive skills of classroom teaching. The selection and organization of content is examined in terms of such factors as the availability of resources, curriculum standards, research trends, preferred teaching and learning strategies, desired learning outcomes, thinking and study skills, and students' development and cultural needs. Extensive use is made of taxonomies of learning for defining objectives and analyzing questioning, teaching, instructional design, and assessment strategies. The instructional needs of special education students within the regular classroom setting are addressed. This course includes both lecture and hands-on activities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ADMPS 1001

IL 1333 - STRATEGIES AND TECHNIQUES OF INSTRUCTION K-12

Minimum Credits: 3

Maximum Credits: 3

This course focuses on basic teaching strategies for prospective teachers of education. It focuses on instructional planning, classroom management, models of instruction, instructional technologies, and the interactive skills of classroom teaching. The selection and organization of content is examined in terms of such factors as the availability of resources, curriculum standards, research trends, preferred teaching and learning strategies, desired learning outcomes, thinking and study skills, and students' development and cultural needs. Extensive use is made of taxonomies of learning for defining objectives and analyzing questioning, teaching, instructional design, and assessment strategies. The instructional needs of special education students within the regular classroom setting are addressed. This course includes both lecture and hands-on activities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

IL 1410 - SCHOOL-FAMILY-COMMUNITY COLLABORATION

Minimum Credits: 2

Maximum Credits: 2

This course focuses on partnerships among inclusive schools/programs serving children with and without special needs, families, and the community. Emphasis is placed on requisite skills and benefits for successfully establishing, supporting, and maintaining respectful collaborative relationships among today's schools/centers, diverse families, and community agencies that enhance the educational experiences and well-being of all children.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1700; SOC 0455; PLAN: Early Childhood Education Major

IL 1420 - SCIENCE IN THE PRIMARY YEARS

Minimum Credits: 2

Maximum Credits: 2

This course is designed to help students develop the theoretical background and the pedagogical knowledge and skills necessary for teaching science in the early elementary grades. Included are a variety of approaches for effectively facilitating the learning of content and skills drawn from the sciences, from environmental studies, and from technological developments, and for integrating this learning with other areas of the curriculum.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: BIOSC 1385; GEOL 0860; IL 1700; NATSC 0070/0270; PLAN: Early Childhood Education Major

IL 1425 - ENGINEERING AND TECHNOLOGY IN THE ELEMENTARY CLASSROOM

Minimum Credits: 4

Maximum Credits: 4

Students in this course will explore different types of engineering and, using this foundation, will develop activities and lessons that they will then facilitate in early childhood classrooms. Student-developed lessons will utilize the engineering design process and require creativity and teamwork from the elementary students. Under the supervision of University faculty, pre-service teachers will gain 15 hours of field experience teaching engineering to students in schools.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Letter Grade

Course Requirements: PREQ: IL 1700; NATSC 0070; Early Childhood Major

IL 1440 - TEACHING SCIENCE IN SECONDARY SCHOOLS

Minimum Credits: 3

Maximum Credits: 3

Designed to develop an overall rationale for dealing with classroom science instruction; students design, teach and evaluate teaching strategies for teaching secondary school science; specific materials for teaching science and strategies for their effective use are examined. Strategies for curriculum development, as well as course unit and daily lesson plans will be a major focus of this class.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1702; CREQ: IL 1441, IL 1442; PLAN: Secondary Education Major

IL 1441 - PEDAGOGY LAB - SCIENCE

Minimum Credits: 1

Maximum Credits: 1

A one credit course that will be required for all students enrolled in the science methods course. The pedagogy lab will allow students to experience firsthand the implementation of pedagogical techniques, as learned in the content methods course, being used to teach content in an actual 7-12 classroom setting. This course is intended to create an essential bridge that spans content and pedagogy in order to connect theory to practice.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1440, IL 1442; PLAN: Secondary Education Major

IL 1442 - TEACHING LAB SCIENCE

Minimum Credits: 2

Maximum Credits: 2

This unique laboratory operations course is designed to assist the future laboratory instructor with designing, operating and teaching a comprehensive laboratory curriculum. Safe lab operations will be stressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1440, IL 1441; PLAN: Secondary Education Major

IL 1470 - TEACHING MATHEMATICS IN SECONDARY SCHOOLS

Minimum Credits: 3

Maximum Credits: 3

Topics include learning, instruction, and assessment, planning lessons, effective learning environments, successful teaching strategies, and materials and resources. Responsibilities and professionalism will also be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1702; CREQ: IL 1471; PLAN: Secondary Education Major

IL 1471 - PEDAGOGY LAB - MATHEMATICS

Minimum Credits: 1

Maximum Credits: 1

A one credit course that will be required for all students enrolled in the math methods course. The pedagogy lab will allow students to experience firsthand the implementation of pedagogical techniques, as learned in the content methods course, being used to teach content in an actual 7-12 classroom setting. This course is intended to create an essential bridge that spans content and pedagogy in order to connect theory to practice.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1470; PLAN: Secondary Education Major

IL 1473 - MATH FOR ELEMENTARY TEACHERS

Minimum Credits: 3

Maximum Credits: 3

Students will improve their mathematics knowledge and skills in numeration systems, integers, rationales, geometry, probability/statistics, and other selected topics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREQ: MATH 0031

IL 1700 - EARLY FIELD EXPERIENCE-ELEM

Minimum Credits: 3

Maximum Credits: 3

Introductory field experience for undergraduate students who plan to enter the teaching profession. Offers opportunities to observe young children and assist master teachers in elementary school classrooms and early childhood education centers.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Letter Grade

Course Requirements: PREQ: ADMPS 1001; IL 1330; PSY 0310, (PSY 1001 or PSYED 1001)

IL 1701 - EARLY FIELD EXPERIENCE-SECONDARY

Minimum Credits: 3

Maximum Credits: 3

This is an introductory field experience class for undergraduate students who plan to enter the teaching profession. The course provides opportunities for students to observe adolescent learners in middle and high school settings through observations in a classroom, talking with school personnel and meeting in student seminars at Pitt to reflect on what they have seen and heard. Students are provided with guidelines that will assist them in analyzing their observations.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SU3 Elective Basis

IL 1702 - EARLY FLD EXPERIENCE-SECONDARY

Minimum Credits: 3

Maximum Credits: 3

Introductory field experience for undergraduate students who plan to enter the teaching profession. Offers opportunities to observe adolescent learners in secondary school class rooms and assist master teachers in various subject areas.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: ADMPS 1001; (IL 1330 or IL 1332); (PSY 1001 or PSYED 1001)

IL 1703 - EARLY FILED EXPERIENCE K-12

Minimum Credits: 3

Maximum Credits: 3

Introductory field experience for undergraduate students who plan to enter the teaching profession. Offers opportunities to observe adolescent learners in secondary school class rooms and assist master teachers in various subject areas.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

IL 1775 - GIFTED EDUCATION

Minimum Credits: 3

Maximum Credits: 3

Allows students to delve into the topic of gifted education. Students will learn not only the definition of gifted education and the varied ways of recognizing giftedness, but will also learn how to support the intellectual, social, and emotional needs of gifted students. The integrated field experience allows students to connect university learning to in-school practices, promoting a seamless learning experience.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

IL 1810 - PRE STUDENT TEACHING - EARLY CHILDHOOD

Minimum Credits: 1

Maximum Credits: 1

This one-hour course allows students to observe and participate in the classroom where they will student teach. The purpose is to integrate the education major into the class so that increased learning and participation during student teaching occurs.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1215, IL 1220, IL 1222, IL 1225, IL 1324, IL 1700; PLAN: Early Childhood Education Major

IL 1811 - PRE STUDENT TEACHING - SECONDARY

Minimum Credits: 1

Maximum Credits: 1

This one-hour course allows students to observe and participate in the classroom where they will student teach. The purpose is to integrate the education major into the class so that increased learning and participation during student teaching occurs.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1235 or IL 1280 or IL 1440 or IL 1470; PLAN: Secondary Education Major

IL 1812 - PRE-STUDENT TEACHING- K-12

Minimum Credits: 1

Maximum Credits: 1

This one-hour course allows students to observe and participate in the classroom where they will student teach. The purpose is to integrate the education major into the class so that increased learning and participation during student teaching occurs.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

IL 1820 - STUDENT TEACHING - EARLY CHILDHOOD

Minimum Credits: 12

Maximum Credits: 12

A full-time practicum for teacher certification candidates. Provides opportunities to observe, plan, conduct, and evaluate students in the school setting and receive professional feedback from university supervisor and experienced master teachers.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1810; CREQ: IL 1875; PLAN: Early Childhood Education Major

IL 1821 - STUDENT TEACHING - SECONDARY

Minimum Credits: 12

Maximum Credits: 12

A full-time practicum for teacher certification candidates. Provides opportunities to observe, plan, conduct, and evaluate students in the school setting and receive professional feedback from university supervisor and experienced master teachers.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1811; CREQ: IL 1876; PLAN: Secondary Education Major

IL 1822 - STUDENT TEACHING- K-12

Minimum Credits: 12

Maximum Credits: 12

A full-time practicum for teacher certification candidates. Provides opportunities to observe, plan, conduct, and evaluate students in the school setting and receive professional feedback from University supervisor and experienced master teachers.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

IL 1875 - STUDENT TEACHING SEMINAR - EARLY CHILDHOOD

Minimum Credits: 1

Maximum Credits: 1

A seminar for student teachers in the certification field that emphasizes collaborative problem solving of practical teaching problems and continued professional development.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: IL 1810; PLAN: Early Childhood Education Major CREQ: IL 1820

IL 1876 - STUDENT TEACHING SEMINAR - SECONDARY

Minimum Credits: 1

Maximum Credits: 1

A seminar for student teachers in the certification field that emphasizes collaborative problem solving of practical teaching problems and continued professional development.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: IL 1821; PLAN: Secondary Education Major

IL 1877 - STUDENT TEACHING SEMINAR- K-12

Minimum Credits: 1

Maximum Credits: 1

A seminar for student teachers in the certification field that emphasizes collaborative problem solving of practical teaching problems and continued professional development.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

IL 1882 - EARLY CHILDHOOD STUDENT TEACHING ABROAD

Minimum Credits: 6

Maximum Credits: 6

Seven-weeks in duration, this full-time experience is for teacher certification candidates in a student teaching center at an elementary school abroad. Provides opportunities to observe, plan, conduct, and assess instruction in the school setting with professional feedback from University supervisors and experienced master teachers. Open only to early childhood education students approved for student teaching. This student teaching option must be registered for in conjunction with early childhood student teaching - us.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

IL 1883 - EARLY CHILDHOOD STUDENT TEACHING - US

Minimum Credits: 6

Maximum Credits: 6

Seven weeks in duration, this full-time experience is designed for teacher certification candidates in a student teaching center at an area pre-k to 4th grade school. Provides opportunities to observe, plan, conduct, and assess instruction in the school setting with professional feedback from University supervisors and experienced master teachers. Open only to early childhood education students approved for student teaching. This student teaching option must be registered for in conjunction with early childhood student teaching abroad.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

IL 1884 - EARLY CHILDHOOD TEACHING SEMINAR ABROAD

Minimum Credits: 1
Maximum Credits: 1
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

IL 1892 - SECONDARY STUDENT TEACHING ABROAD

Minimum Credits: 6
Maximum Credits: 6

Seven-weeks in duration, this full-time experience is designed for teacher certification candidates in a student teaching center at a secondary school abroad. Provides opportunities to observe, plan, conduct, and assess instruction in the school setting with professional feedback from University supervisors and experienced master teachers. Open only to secondary education students approved for student teaching. This student teaching option must be registered for in conjunction with secondary student teaching - us.

Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

IL 1893 - SECONDARY EDUCATION STUDENT TEACHING - US

Minimum Credits: 6
Maximum Credits: 6

Seven weeks in duration, this full-time experience is designed for teacher certification candidates in a student teaching center at an area high school or middle school. Provides opportunities to observe, plan, conduct, and assess instruction in the school setting with professional feedback from University supervisors and experienced master teachers. Open only to secondary education students approved for student teaching. This student teaching option must be registered for in conjunction with secondary student teaching abroad.

Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

IL 1894 - SECONDARY EDUCATION TEACHING SEMINAR ABROAD

Minimum Credits: 1
Maximum Credits: 1
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis

IL 1900 - INDEPENDENT STUDY

Minimum Credits: 1
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Independent Study
Grade Component: LG/SNC Elective Basis

INDIST 0004 - CAREER EXPLORATION AND PLANNING

Minimum Credits: 1
Maximum Credits: 1

This course will focus on major theoretical approaches to career development and the decision-making process. Its goals are to help students identify

and explore their academic and career options and maximize the college experience to achieve their post-graduate plans.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

INDIST 0012 - WCCC CONSORTIUM AGREEMENT

Minimum Credits: 0

Maximum Credits: 0

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Satisfactory/No Credit

INDIST 0015 - COLLEGE SUCCESS SEMINAR

Minimum Credits: 1

Maximum Credits: 1

College success seminar will meet for 50 minutes two days per week. This course offers students a thorough look at the four phases of the learner's journey: preparation for the journey, in-the-classroom journey, after-class journey, and ownership. Preparation for the journey has several components: self-examination which includes learning history, motivation, commitment, mindset, learning styles, organization; study skills assessment; goal setting; definitions of learning; creation of a positive impression; and study techniques. Phase two addresses the following: attendance, punctuality, work ethic, listening skills, note-taking skills, attention to detail, pace, conversation, reflection, participation, respect for others, and integrity. Phase three components include the following: motivation, mindset, work ethic, communication, reading skills, writing skills, time management, place management, use of campus resources, participation in campus organizations, use of study groups, and study strategies. Study strategies are defined as follows: context, critical thinking, reflection, pace, appreciation, word consciousness, construction of meaning, rhetorical modes, metacomprehension, comprehension, and metacognition. Phase four, ownership, involves taking souvenirs from the journey and making connections. The main goals of the course are increasing awareness of the learning process and finding strategies that work well.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

INDIST 1800IS - STUDY ABROAD - IS

Minimum Credits: 0

Maximum Credits: 0

Non-graded course for in-state tuition.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: No Grade Required

INDIST 1800OS - STUDY ABROAD - OS

Minimum Credits: 0

Maximum Credits: 0

Non-graded course for out-of-state tuition.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: No Grade Required

INDIST 1900 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 6

This course offers students an opportunity to work as interns in various disciplines.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

INTS 0115 - INTRODUCTION TO CHINESE CULTURE AND LANGUAGE

Minimum Credits: 3

Maximum Credits: 3

This course surveys Chinese culture and language in both verbal and nonverbal communication forms. Beginning with a brief overview of political and historical differences between the people's republic of China and the republic of China (Taiwan), it explores elements of Chinese family structures, food, traditional holidays, social art, and leisure activities. Basic conversational Chinese language and rudiments of traditional Chinese writing will be utilized throughout the course. This course is recommended for anyone who is interested in China/Taiwan, as well those interested in cross-cultural communication.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

JPNSE 0001 - FIRST YEAR JAPANESE 1

Minimum Credits: 5

Maximum Credits: 5

The first step in Japanese language study. The student will acquire a basic competence in speaking, understanding, reading and writing. Emphasis is placed on speaking and understanding as the student learns the sound system, basic vocabulary and essential sentence patterns. Writing will include the katakana and hiragana syllabaries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

JPNSE 0002 - FIRST YEAR JAPANESE 2

Minimum Credits: 5

Maximum Credits: 5

The second term in the systematic presentation of the modern standard language begun in Japanese 0001. Students will continue to develop all four skills--speaking, understanding, reading and writing with continued emphasis on content useful in everyday communications. Writing will include the syllabaries and about 50 selected kanji characters.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

JPNSE 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

An individual study under the guidance of a department faculty member. For the student whose topic is not covered by regular course work.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

LEGLST 1843 - LAW OF BUSINESS ORGANIZATIONS

Minimum Credits: 3

Maximum Credits: 3

Explores basic commercial law applicable to the business environment. Areas covered include the law of contracts, sales, agency, and torts. References will be made to both common law principles and to federal and state statutes, with emphasis on the uniform commercial code.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

LEGLST 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

Allows advanced students to pursue topics and research of special interest which are not otherwise available. Course requires construction of plan of study of research on topics selected and approval of instructor who will supervise work.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

LING 0010 - ESL READING AND VOCABULARY

Minimum Credits: 3

Maximum Credits: 3

This is an advanced reading skills course for non-native speakers of English, emphasizing the type of reading required in University-level course work. The course includes intensive reading of passages from the course text, extensive reading of academic or other material selected by the student or instructor, speed improvement and vocabulary development.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MGMT 0021 - THE MANAGEMENT PROCESS

Minimum Credits: 3

Maximum Credits: 3

An introduction designed to emphasize the basic principles, practices, and terminology essential to the understanding of contemporary business and its environment.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 0022 - FINANCIAL ACCOUNTING

Minimum Credits: 3

Maximum Credits: 3

A study of accounting and financial concepts pertaining to the business enterprise, with emphasis on the understanding and use of accounting and financial data. This course develops the ability to analyze and interpret internal and external financial developments as they relate to a business enterprise and provides an operational knowledge of the accounting cycle.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0020 or MATH 0031

MGMT 0023 - MANAGERIAL ACCOUNTING

Minimum Credits: 3

Maximum Credits: 3

This course has three objectives: 1) to develop an understanding of cost accounting concepts underlying cost determination and analysis; 2) to provide familiarity with the controls that are afforded in the application of these concepts; and 3) to create an awareness of how cost accounting can contribute to decision making and planning.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 0022

MGMT 0025 - FINANCIAL AND MANAGERIAL ACCOUNTING FOR DECISION MAKING

Minimum Credits: 3

Maximum Credits: 3

This course provides students an understanding of the nature of the accounting function (the collection, recording, analysis, interpretation and reporting of information to decision makers) and how the information in financial and cost accounting reports are used by business managers in their resource allocation decisions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 0026 - PERSONAL FINANCIAL PLANNING

Minimum Credits: 3

Maximum Credits: 3

The personal financial planning course is designed to provide students with basic information on a wide variety of personal finance topics, including financial planning, money management, income and asset protection and investments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 0680 - INTRODUCTION INDUSTRIAL ORGANIZATION

Minimum Credits: 3

Maximum Credits: 3

A survey course of contemporary practice in the field of industrial psychology. Principal topics include employee selection, testing, performance appraisal, training and development, leadership, work motivation, organizational psychology, conditions at work, engineering psychology, employee safety and health, consumer and marketing psychology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1125 - BUSINESS ECONOMICS

Minimum Credits: 3

Maximum Credits: 3

Looks at economic decision making within the firm; empirical efforts to estimate demand, cost, and production functions. The course also covers computer and operations research models, such as simple linear programming, present value analysis, and calculus.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ECON 0100, ECON 0110; MATH 0120; STAT 1100

MGMT 1136 - ADVERTISING AND SOCIAL MEDIA STRATEGY

Minimum Credits: 3

Maximum Credits: 3

This marketing course covers advertising and marketing strategies in the new media landscape where traditional and social media co-exist. The course will discuss 1) how social media strategies can be used effectively in marketing programs, 2) when they should/ should not be used 3) how to build them, and 4) how to measure, track, and evaluate their performance and effectiveness. This marketing strategy course will provide students with an understanding of analyzing, developing, implementing, and evaluating media strategies as an integral part of overall marketing strategy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1138 - CORPORATE FINANCIAL ACCOUNTING

Minimum Credits: 3

Maximum Credits: 3

A continuation of financial accounting with emphasis placed on the accounting for partnerships and corporations. Topics such as long-term liabilities, investments, and financial statements analysis are introduced to the student.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 0022

MGMT 1140 - ACCOUNTING INFORMATION SYSTEMS AND FINANCIAL STATEMENT ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

This course focuses on the design and implementation of accounting information systems with an emphasis on topics and issues related to accounting users and the current computerized business environment. It includes an analysis of the output of these systems, including financial statements that are made available to management for analysis, decision making and control.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1835

MGMT 1441 - CONSUMER BEHAVIOR

Minimum Credits: 3

Maximum Credits: 3

Focuses on the study of individual consumers through the integration of a wide variety of social science concepts and gaining familiarity with some of the more common techniques of consumer research methodology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1819

MGMT 1818 - MANAGEMENT SCIENCE

Minimum Credits: 3

Maximum Credits: 3

Provides the foundation for two basic managerial tasks; optimization and simulation. A variety of modeling concepts with applications for finance, marketing and operations will be studied in depth. Topics covered are: linear programming, transportation and assignment, "what if" analysis, decision analysis including multiple criteria decision making, queuing models, and statistical models for simulating analyzing input and outputs in business systems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 1100

MGMT 1819 - INTRODUCTION TO MARKETING

Minimum Credits: 3

Maximum Credits: 3

This course considers the marketing problems of the firm. Topics covered include product development, market segmentation, consumer behavior, distribution channels, pricing and promotion.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1820 - OPERATIONS MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

The fundamental problem of any manager is that of taking inputs and transforming them efficiently and effectively into products that result in a "satisfied" customer. This course provides foundations for managing operations in both the manufacturing and services sectors. Topics covered are: quality management, product and process design, inventory control, manufacturing resource planning (MRP), supply chain management, production scheduling, and project management.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 1100

MGMT 1821 - INTRODUCTION TO FINANCE

Minimum Credits: 3

Maximum Credits: 3

Views the finance function as a planning and control system within the total organization. The emphasis is on financial planning models, including sources and uses of funds, evaluation of investments, and capital budgeting.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 0022 and STAT 1100

MGMT 1825 - MARKETING COMMUNICATION

Minimum Credits: 3

Maximum Credits: 3

Develops an appreciation and understanding of the individual elements of the marketing communications mix: advertising, direct marketing, sales

promotion and public relations. Further, how these may be managed as an integrated program to implement and support the brand, product or service strategy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1819

MGMT 1832 - HUMAN RESOURCES MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

Provides an introduction into the management of human resources at the organizational level. Conceptual frameworks that can be used for understanding and establishing organizational human resource policy are introduced for the purpose of application in the critical review of an organizational human resource system and discussion of relevant policy issues.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010; LVL: Sophomore

MGMT 1835 - INTERMEDIATE ACCOUNTING 1

Minimum Credits: 3

Maximum Credits: 3

Presents the theory, concepts, and procedures involved in the current practice of financial accounting for the business enterprise. Current developments and the challenges to currently accepted accounting principles and practices are explored. Special attention is directed at timely financial reporting problems in income determination and valuation of assets/liabilities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1138

MGMT 1836 - INTERMEDIATE ACCOUNTING 2

Minimum Credits: 3

Maximum Credits: 3

As a continuation of MGMT 1835, this course deals with accounting theory related to the liability and stock holder's equity sections of the balance sheet, revenue recognition, earnings per share computations, accounting for leases, statement of changes in financial position, statement of cash flows, and other topics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1835

MGMT 1837 - ADVANCED ACCOUNTING

Minimum Credits: 3

Maximum Credits: 3

This course covers accounting for business combinations/ consolidations, partnerships, multinational issues, and branch accounting. Consolidations comprise 55 percent of the course. The focus, each term, will be on those other issues that are currently most important.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: MGMT 1836

MGMT 1838 - STANDRD COSTS BUDGT PROFIT PLN

Minimum Credits: 3

Maximum Credits: 3

Provides an advanced and pragmatic understanding, rooted in theory, or cost accounting concepts, techniques, and systems as they relate to the purposes of cost and operations control. The development and use of benchmarks of performance, their integration in a standard cost system, and the process of developing budgets will be covered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 0023

MGMT 1839 - FEDERAL INCOME TAX ACCOUNTNG 1

Minimum Credits: 3

Maximum Credits: 3

This course is a comprehensive study of the federal income tax structure as it relates to individual and sole proprietorships. Emphasis will be placed on accounting and tax planning, but economic implications of federal income taxation and current issues will be included.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1138

MGMT 1840 - FEDERAL INCOME TAX ACCOUNTNG 2

Minimum Credits: 3

Maximum Credits: 3

A continuation of federal income tax accounting 1, this course investigates tax issues related to different forms of business organizations. Special emphasis will be placed on corporations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1138

MGMT 1841 - AUDITING

Minimum Credits: 3

Maximum Credits: 3

The concepts, standards and methods of auditing are covered. Discussion and readings will focus on the professional and legal environment of the independent auditor and on the audit process, including the role of evidence, the importance of internal accounting controls and the auditor's report. Specific auditing problems will provide practical applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1835

MGMT 1843 - LAW OF BUSINESS ORGANIZATIONS

Minimum Credits: 3

Maximum Credits: 3

The objective of this course is to provide an exposure to the extensive laws and regulations which affect almost all major aspects of business operations. Because not all topics can be covered in a one semester course, the topics selected have been chosen on the basis of their importance to contemporary business and the accounting profession.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1845 - INTERNATIONAL BUS ENTERPRISES

Minimum Credits: 3

Maximum Credits: 3

This course will introduce the student to the complex environment of international business. It is aimed at familiarizing the student with the range of political, social, and economic factors encountered in non-U.S. Business settings and with the issues involved in establishing and maintaining profitable business activities outside the U.S.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: 3 credits ECON; LVL: at least 45 credits completed

MGMT 1846 - INTERNATIONAL MARKETING

Minimum Credits: 3

Maximum Credits: 3

In this course, students study the differences between international and domestic marketing and investigate how environmental conditions, especially cultural, affect marketing success beyond U.S. borders. Through readings, lectures, analysis of current business practices, and in-class exercises, students will learn about global strategies, including segmentation, targeting, positioning, entry strategies and marketing mix tactics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1819

MGMT 1851 - LABOR-MANAGEMENT RELATIONS

Minimum Credits: 3

Maximum Credits: 3

Provides a close examination of the day-to-day labor management relationship and processes. This course considers contract negotiations, contract administration, discipline and grievance procedures, and third-party conflict resolution assistance such as mediation, fact finding, and arbitration. Emphasis is placed on the structure, organization, and objectives of the parties. The similarities and differences between private and public-sector bargaining are also considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Junior

MGMT 1855 - SUPPLY CHAIN MANAGMENT

Minimum Credits: 3

Maximum Credits: 3

A supply chain management course explores contemporary issues related to operations management in a global context. Specifically, supply chain management deals with the management of the flow of materials, information and funds through the network of suppliers, manufacturers,

distributors, retailers and customers. The course will also cover the use of optimization and simulation methodologies, where applicable, to problems of distribution network design, inventory management, procurement and outsourcing, revenue management, and channel coordination.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1857 - PROJECT MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

Planning, organizing, staffing, and controlling projects requires traditional management skills as well as an appreciation of the tools, techniques, and practices unique to project management. This course provides an overview of project management concepts, and then focuses on project planning, estimating, monitoring, and controlling. It also covers topics related to being an effective project leader and managing project teams. The project management institute (PMI), a professional organization for project managers has produced a guide that documents the knowledge and practices needed by today's project managers. This guide, along with current research and management trends related to project management, provide the framework for material covered in this class.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MGMT 1860 - LEGAL & SOCIAL ENVIRONMENT BUS

Minimum Credits: 3

Maximum Credits: 3

This course examines the social, political and legal interface between the business institution (especially the corporation) and the environment. Topics typically considered include the nature and impacts of technology, ethical and value issues in business, the social responsibilities of business and the management of corporate social policy. The impacts of society and business on one another are highlighted.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore or higher

MGMT 1861 - MANAGEMENT POLICY & ADMINSTRTN

Minimum Credits: 3

Maximum Credits: 3

This course focuses on corporate strategy formulation, implementation, and control. The knowledge and techniques learned in earlier courses will be applied in an integrated fashion to the process of strategic decision-making and organizational change. Considerable amount of time will be devoted to the study and analysis of companies. Prerequisite all core courses for the management major.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 0023, MGMT 1818, MGMT 1819, MGMT 1820; INFSCI 0010; STAT 1100

MGMT 1869 - MARKETING RESEARCH

Minimum Credits: 3

Maximum Credits: 3

This course provides an overview of the methods and tools used in market research to guide decision making regarding the development and delivery of products and services. Topics include design of surveys, collection, analysis and interpretation of data, and presentation of results.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT 1819 and STAT 1100

MGMT 1897 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

An independent study course for students desiring to pursue in greater depth a specific set of business problems or functions to which they have been introduced in other business courses. The course involves directed reading and research under guidance of a full-time faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

MGMT 1898 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 6

Internships in management.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

MGMT 1910 - MGMT/INFO SYSTEMS INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Internship in management/information systems.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

MGMT 1950 - SENIOR PROJECT FOR MANAGEMENT

Minimum Credits: 3

Maximum Credits: 3

An integrative course that utilizes concepts and problem solving skills acquired in the prerequisite courses of study and considers the business firm in its larger environment (cultural, social and ethical) and the various influences that impact the firm's operations and success. Case studies, role playing, group dynamics and guest lecturers will be utilized.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: completion of MGMT core; LVL: Senior

MGMT 1951 - SENIOR PROJECT FOR ACCOUNTING

Minimum Credits: 3

Maximum Credits: 3

An integrative course that utilizes concepts and problem solving skills acquired in the prerequisite courses of study and considers the business firm in its larger environment (cultural, social and ethical) and the various influences that impact the firm's operations and success. Case studies, role playing, group dynamics and guest lecturers will be utilized.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MGMT core completed, MGMT 1140, MGMT 1836

MGMT 1970 - UNDERGRADUATE TEACHING ASSISTANT EXPERIENCE

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation as an undergraduate teaching assistant (UTA) for a management or accounting course under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

MATH 0010 - COLLEGE ALGEBRA PART 1

Minimum Credits: 2

Maximum Credits: 2

First of a two course sequence which covers the topics of linear equations and inequalities and their graphs, quadratic equations and their graphs, and systems of equations and their graphs. This course is intended for students who need to learn elementary algebra over an extended period of time.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 0011 - ALGEBRA TUTORIAL

Minimum Credits: 1

Maximum Credits: 1

A companion course with MATH 0031 to provide students a structured environment within which to review class content, go over homework problems, and ask for clarification on topics that remain unclear.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Satisfactory/No Credit

Course Requirements: CO-REQ: MATH 0031

MATH 0020 - COLLEGE ALGEBRA PART 2

Minimum Credits: 2

Maximum Credits: 2

Second of two courses (0010-0020) which covers polynomials, rational functions and exponential and logarithmic growth. This course is intended for students who need to learn algebra over an extended period of time.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0010

MATH 0031 - ALGEBRA

Minimum Credits: 3

Maximum Credits: 3

The course covers basic algebra skills. Linear, polynomial, rational, exponential, and logarithmic functions are included. Systems of linear equations

are also covered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 0032 - TRIGONOMETRY AND FUNCTIONS

Minimum Credits: 2

Maximum Credits: 2

This course is designed to enable students, who have mastered algebra, to learn trigonometry. Besides trigonometry, material of graphing and polynomials is included.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 0050 - MATH OPERATIONS AND FUNCTIONS

Minimum Credits: 3

Maximum Credits: 3

This course covers a wide variety of important areas in mathematics. Patterns, problem solving, logical reasoning, probability, and data analysis are studied so students learn to communicate mathematical ideas effectively. Ways to represent different types of numbers and the operations and relationships between them are explored with computational algorithms, estimation techniques, and some use of calculators. Mathematical concepts, functions, and introductory geometry and trigonometry are explored with manipulatives.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 0052 - MATHEMATICS, GRAPHS, DATA ANALYSIS, AND MEASUREMENT

Minimum Credits: 3

Maximum Credits: 3

This course is a continuation of MATH 0050. Mathematics, operations, and functions. Probability, data analysis, cartesian coordinate geometry, and measurement are studied so students learn to communicate mathematical ideas effectively. Basic statistical concepts, symmetry, introductory plane and solid geometry topics, and trigonometry are explored with manipulatives, geoboards, and calculators.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0050

MATH 0080 - FUNDAMENTALS OF MODERN MATHEMATICS

Minimum Credits: 3

Maximum Credits: 3

This course is designed primarily for students whose interests lie outside the natural sciences. It emphasizes problem solving approaches common to many mathematical areas. Topics include geometry, measurement, probability, and statistics. The prerequisite can be met by placement.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

MATH 0100 - PREP FOR BUSINESS CALCULUS

Minimum Credits: 3

Maximum Credits: 3

This course will increase and reinforce the student's algebra skills by emphasizing the manipulation of formulas, the graphing of functions and the extensive use of problem solving. Topics include: an algebra review, functions and their graphs, systems of linear equations and inequalities, linear programming, interests and annuities, probability, data description, limits and continuity.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0031 with C- or better or placement

MATH 0120 - BUSINESS CALCULUS

Minimum Credits: 4

Maximum Credits: 4

This course introduces the basic concepts of limits, continuity, differentiation, integration, maximization and minimization. Applications to the social sciences, especially business and economics, are stressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: (MATH 0100 or MATH 0200) with C- or better or placement

MATH 0200 - PREP FOR SCIENTIFIC CALCULUS

Minimum Credits: 3

Maximum Credits: 3

A variety of topics are studied: functions, rational functions, logarithmic and exponential functions, graphs, asymptotes, inverse, conic sections, translation and rotation of axes, trigonometric identities and equations, and possibly vectors.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: (MATH 0020 or MATH 0031) with C- or better or placement

MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

Minimum Credits: 4

Maximum Credits: 4

This is the first of a sequence of three basic calculus courses. It covers the derivative and integral of functions of one variable and their applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0200 with C- or better or placement

MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2

Minimum Credits: 4

Maximum Credits: 4

This is the second of a sequence of three basic calculus courses. It covers the calculus of transcendental functions, techniques of integration, series of numbers and functions, polar coordinates, and conic sections.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0220 with C- or better

MATH 0240 - ANALYTIC GEOMETRY AND CALCULUS 3

Minimum Credits: 4

Maximum Credits: 4

This is the third of a sequence of three basic calculus courses. It covers vectors and surfaces in space and the calculus of functions of several variables including partial derivatives and multiple integrals, stokes theorem, and first order differential equations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0230 with C- or better

MATH 0250 - MATRIX THEORY & DIFFT EQUATIONS

Minimum Credits: 4

Maximum Credits: 4

The topics include matrix algebra, vector spaces, linear transformations, linear differential equations with constant coefficients, and systems of first order linear differential equations. Matrix techniques are used extensively in the differential equations part of the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0240 with C- or better

MATH 0280 - INTRO TO MATRICES & LINEAR ALG

Minimum Credits: 3

Maximum Credits: 3

The principal topics which this course will cover include vectors, matrices, determinants, linear transformations, eigenvalues and eigenvectors, and selected applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 0400 - FINITE MATHEMATICS

Minimum Credits: 3

Maximum Credits: 3

The course covers the basic concepts of set theory, logic, combinatorics, Boolean algebra, and graph theory with an orientation towards applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0200

MATH 0413 - INTRO THEORETICAL MATHEMATICS

Minimum Credits: 4

Maximum Credits: 4

This course is an introduction to the theoretical treatment of sets, functions, relations, numbers, sequences, and limits. Classwork and homework concentrate reading and writing of proofs of theorems centered on these topics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: MATH 0230

MATH 0420 - INTRO THEORY 1-VARIABLE CALCULUS

Minimum Credits: 3

Maximum Credits: 3

The course provides a careful treatment of the theoretical concepts of limit, continuity, derivative and integral, including the fundamental theorem of calculus.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0230, MATH 0413

MATH 0430 - INTRO ABSTRACT ALGEBRAIC SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

This course introduces the student to abstract algebraic concepts, rings, integral domains, fields, integers, rational, real and complex numbers, and polynomials. Many examples will be presented during class and in the homework. The students are expected to enhance their proof writing techniques.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0413

MATH 1001 - MATHEMATICAL COMPUTING

Minimum Credits: 3

Maximum Credits: 3

The main objective of this course is to introduce the various programming methods including procedural, functional, and rule-based programming. Such programming methods will be implemented using standard technical computing software to investigate problems from a wide variety of mathematical areas ranging from number theory to differential equations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0220

MATH 1020 - APPLIED ELEMENTARY NUMBER THEORY

Minimum Credits: 3

Maximum Credits: 3

This course will reveal the key role played by number theory in the development of mathematics. Some applications of number theory will be covered in the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0430

MATH 1070 - NUMERICAL MATHEMATICAL ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

This course, with MATH 1080 forms a two term introduction to numerical analysis at the advanced undergraduate level and includes interpolation, numerical differentiation and integration, solution of non-linear equations, numerical solution of systems or ordinary differential equations, and additional topics as time permits. Emphasis is on understanding the algorithms rather than on detailed coding, although some programming will be required.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0240

MATH 1080 - NUMERICAL MATH: LINEAR ALGEBRA

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to numerical linear algebra which addresses numerical methods for solving linear algebraic systems and matrix Eigen problems and applications to partial differential equations. Although the course will stress a computational viewpoint, analysis of the convergences and stability of the algorithms will be investigated.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 1100 - LINEAR PROGRAMMING

Minimum Credits: 3

Maximum Credits: 3

Topics covered will include linear programming problems, the simplex method, quality, revised simplex method, and the transportation problem.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 1180

MATH 1110 - INDUSTRIAL MATHEMATICS

Minimum Credits: 3

Maximum Credits: 3

This course is concerned with the approximate numerical solution of problems which arise in an industrial environment. Topics covered include physical interpretation of a mathematical model, use of library software, preparation of software, analysis of results, and reporting on findings.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 1070

MATH 1180 - LINEAR ALGEBRA 1

Minimum Credits: 3

Maximum Credits: 3

This course stresses the theoretical and rigorous development of linear algebra. Major topics include the theory of vector spaces, linear transformations, matrices, characteristic polynomials, bases and canonical forms. Other topics may be covered as time permits.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: MATH 0413

MATH 1230 - THE BIG IDEAS OF MATHEMATICS

Minimum Credits: 3

Maximum Credits: 3

The "big ideas" course is intended to provide a capstone type experience for math majors. It will integrate the student's current math knowledge into a coherent whole via the adoption of a historical perspective. It is particularly aimed at math majors with an interest in math education or the history, philosophy and psychology of mathematics. Students opting for the optional internship, MATH 1231, will explore how the historical development of math relates to the math in the secondary school. The capstone experience will culminate with a research project and presentation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 1250 - ABSTRACT ALGEBRA

Minimum Credits: 3

Maximum Credits: 3

In this course the basic algebraic systems, groups and rings are studied in some detail. Topics include: subgroups, permutation groups, homomorphism's, subrings, ideals and quotient rings. The emphasis is on theory with examples.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0430

MATH 1270 - ORDINARY DIFFERENTIAL EQUATIONS 1

Minimum Credits: 3

Maximum Credits: 3

This course covers methods of solving ordinary differential equations which are frequently encountered in applications. General methods will be taught for single n-th order equations, and systems of first order nonlinear equations. This will include phase plane methods and stability analysis. Computer experimentation will be used to illustrate the behavior of solutions of various equations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0240, MATH 1180

MATH 1290 - TOPICS IN GEOMETRY

Minimum Credits: 3

Maximum Credits: 3

A course intended to give a "modern" view of geometry. Possible approaches include (1) the connection of geometries to abstract algebraic systems and (2) the deductive, synthetic development of Euclidean and non-Euclidean geometry.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0413

MATH 1360 - MODELING IN APPLIED MATH 1

Minimum Credits: 3

Maximum Credits: 3

This course introduces some of the fundamental approaches of applied mathematics. The emphasis is on the model-building process and on developing an understanding of some of the unifying themes of applied mathematics such as equilibria, stability, conservation laws, etc. The material is presented in the form of case studies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0250 or MATH 1270

MATH 1470 - PARTIAL DIFFERENTIAL EQUATIONS 1

Minimum Credits: 3

Maximum Credits: 3

This is the first term of a two-term sequence in elementary PDE's. The objectives of the course are to provide students with the techniques necessary for the formulation and solution of problems involving PDE's and to prepare for further study in PDE's. The three main types of second order linear PDE's - parabolic, elliptic, and hyperbolic are studied. In addition the tools necessary for the solution of PDE's such as Fourier series and Laplace transforms are introduced.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MATH 1530 - ADVANCED CALCULUS 1

Minimum Credits: 3

Maximum Credits: 3

This course contains a rigorous development of the calculus of functions of a single variable, including compactness on the real line, continuity, differentiability, integration, and the uniform convergence of sequences and series of functions. Other topics may be included, such as the notion of limits and continuity in metric spaces.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0420

MATH 1540 - ADVANCED CALCULUS 2

Minimum Credits: 3

Maximum Credits: 3

This course, a continuation of MATH 1530, covers the theory of limits, differentiation, and integration of functions of several variables.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 1530

MATH 1550 - VECTOR ANALYSIS AND APPLICATIONS

Minimum Credits: 3

Maximum Credits: 3

Topics covered include: vector algebra, vector differentiation and integration, divergence, gradient, curl, the theorems of green, gauss and stokes, and curvilinear coordinate systems. There will be an emphasis upon problem solving and applications in electromagnetic theory and fluid flow.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0240 and MATH 0420

MATH 1560 - COMPLEX VARIABLES & APPLICATIONS

Minimum Credits: 3

Maximum Credits: 3

This course covers the following topics: elementary operations with complex numbers, derivatives, integrals, Cauchy's theorem and consequences such as the integral formula, power series, residue theorem, applications to real integrals and series.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0240 and MATH 0420

MATH 1900 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Under faculty supervision the student participates in a mathematics related experience, project, or job.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: LG/SNC Elective Basis

MATH 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 3

Under the direction of a faculty member, a student studies a mutually agreed upon topic in mathematics.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

MATH 1951 - SENIOR RESEARCH 1

Minimum Credits: 1

Maximum Credits: 1

This course covers math modeling, literature search, a preliminary proposal of a research topic, data collection, and data analysis.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

MATH 1952 - SENIOR RESEARCH 2

Minimum Credits: 2

Maximum Credits: 2

This is a continuation of research 1 and will include: preparing a research paper, preliminary and final drafts of a research paper, and presenting a research paper.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

MATH 1955 - UNDGR TCHNG UNDGR INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Teaching assistantship opportunities in mathematics.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

MILS 0011 - INTRODUCTION TO THE ARMY

Minimum Credits: 1

Maximum Credits: 1

MILS 0011 is offered during the fall term. This freshman course is an introduction to army ROTC. Course instruction includes survival techniques, first aid, wear of the military uniform and organization, role and branches of the U.S. army.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MILS 0012 - ADAPTIVE LEADERSHIP

Minimum Credits: 1

Maximum Credits: 1

MILS 0012 is offered during the spring term. This freshman course is an introduction to army ROTC. Course instruction includes leadership and management, drill and ceremonies, land navigation, basic, pistol/rifle marksmanship and organization and role of the U.S. army reserve and national guard units.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MILS 0021 - LEADERSHIP & DECISION MAKING

Minimum Credits: 1

Maximum Credits: 1

MILS 0021 is offered during the fall term. This sophomore course is an introduction to army ROTC. Course instruction includes the total army concept, army rank and structure, leadership and management, land navigation and drill and ceremonies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MILS 0022 - ARMY TEAM DEVELOPMENT

Minimum Credits: 1

Maximum Credits: 1

MILS 0022 is offered during the spring term. This sophomore course is an introduction to army ROTC. Course instruction includes group communication, decision making and problem solving techniques, military history, leadership and management and land navigation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MILS 1031 - TRAINING MANAGEMENT

Minimum Credits: 1

Maximum Credits: 1

MILS 1031 is offered during the fall term. This junior course prepares the army ROTC student for commissioning into the U.S. army as a second lieutenant. Course instruction is coupled with practical exercises in tactical and technical military subjects with particular emphasis on leadership development, problem solving and decision making.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MILS 1032 - APPLIED LEADERSHIP

Minimum Credits: 1

Maximum Credits: 1

MILS 1032 is offered during the spring term. This junior course prepares the army ROTC student for commissioning into the U.S. army as a second lieutenant. Course instruction is coupled with practical exercises in tactical and technical military subjects with particular emphasis on leadership development, problem solving and decision making.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MUSIC 0105 - MUSIC PRACTICUM - SPRING MUSICAL

Minimum Credits: 1

Maximum Credits: 3

Students learn how to perform in a musical-theatrical production by developing a system for character development, line memorization, music memorization, rehearsals, and all the other systems. A student needs no musical-theatrical experience in order to try out for a role.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

MUSIC 0110 - MUSIC FUNDAMENTALS

Minimum Credits: 3

Maximum Credits: 3

This course introduces the basic terms and concepts of music in the Western tradition. It trains students to recognize intervals, modes, and harmonic motion. It teaches students to read musical notation and also recognize timbres of different instruments. This course is designed to give students new to music familiarity with its basic sounds and notation, but also permits students with some previous experience to reinforce their reading and aural skills.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0121 - BASIC MUSICIANSHIP: CLASS PIANO

Minimum Credits: 3

Maximum Credits: 3

This course in basic musicianship provides non-music majors with keyboard skills while introducing them to basics of music theory. Course content includes scales, intervals, chords, and simple analysis. The course prepares students to transpose and sight read. Students will also be expected to take melodic dictation. Electronic pianos are used in class and are available for daily practice.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

MUSIC 0123 - BASIC MUSICIANSHIP: CLASS VOICE

Minimum Credits: 3

Maximum Credits: 3

This course is designed for non-voice majors who want to develop their singing and sight-reading skills. It provides an introduction to posture, breathing, tone production, diction, and interpretation, while introducing students to the elements of music theory and notation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0201 - 20TH-CENTURY MUSIC

Minimum Credits: 3

Maximum Credits: 3

A survey of musical styles and major composers from the late 19th century to the present. Students will develop an understanding, appreciation, and critical attitude toward music of the present century. Characteristic works of music are discussed and listened to in class.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0206 - CHAMBER SINGERS

Minimum Credits: 0

Maximum Credits: 0

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

MUSIC 0211 - INTRODUCTION TO WESTERN ART MUSIC

Minimum Credits: 3

Maximum Credits: 3

This class will examine the history, culture, and practice of "classical" music. We will explore the technical workings of music and learn what to listen for in a wide variety of musical styles. We will also discuss the values and meanings of music in different social and political contexts. No prior knowledge of music is necessary and there is no requirement to read music to succeed in the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0222 - HISTORY OF WESTERN MUSIC TO 1750

Minimum Credits: 3

Maximum Credits: 3

A study of selected master works of Western art music in a historical context from Gregorian chant through Johann Sebastian Bach. Emphasis is on musical understanding through critical listening, score study, and lectures.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0234 - HISTORY OF THE SYMPHONY

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to the development of the symphony from its origins to the present. Students study individual symphonic compositions from both historical and analytical viewpoints. Topics covered include changes in instrumentation, harmony, formal design, as well as the changing place of the genre in concert life.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0311 - INTRODUCTION TO WORLD MUSIC

Minimum Credits: 3

Maximum Credits: 3

This introductory course deals with a great variety of traditional musical genres from selected cultures around the world. It aims to familiarize students with music sound and music structure of different people, to help them appreciate music in its cultural context, and to give them a broad worldview of music both as a human activity with social functions and as an artistic expression. Generous use will be made of audio-visual aids and live performances in the presentation of materials.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0411 - THEORY 1

Minimum Credits: 3

Maximum Credits: 3

This course introduces the principles and practice of diatonic harmony and voice leading, through a study of works by leading composers of the 18th and 19th centuries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

MUSIC 0415 - THEORY 2

Minimum Credits: 3

Maximum Credits: 3

This course introduces the principles and practice of diatonic harmony and voice leading, through a study of works by leading composers of the 18th and 19th centuries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: PREREQ: MUSIC 0411

MUSIC 0511 - VOICE

Minimum Credits: 1

Maximum Credits: 1

This course provides instruction in vocal techniques and literature. Students receive a one hour private lesson each week. May be repeated for credit.

Academic Career: Undergraduate

Course Component: Directed Studies
Grade Component: Letter Grade

MUSIC 0512 - PIANO

Minimum Credits: 1

Maximum Credits: 1

This course provides instruction in the techniques and literature of the piano. Students receive a one hour private lesson each week. May be repeated for credit.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: Letter Grade

MUSIC 0610 - UPG COLLEGIATE CHORALE

Minimum Credits: 0

Maximum Credits: 2

The study and performance of traditional and contemporary choral works.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

MUSIC 0631 - CONCERT BAND

Minimum Credits: 1

Maximum Credits: 1

The concert band prepares and performs music from the band repertoire. Membership is by audition.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0672 - CHAMBER MUSIC

Minimum Credits: 1

Maximum Credits: 1

Students may elect chamber music to study any approved repertoire involving more than one instrument or voice.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0700 - MUSIC FOR THE STAGE

Minimum Credits: 3

Maximum Credits: 3

An examination of the history and masterworks of music on stage, beginning with the birth of opera and oratorio and continuing into the role of music-theater in the United States. This course will discuss important aesthetic, social, and musical developments that shaped these music's in the last 500 years, while examining the ever-changing balance in the importance of text, music, and spectacle. Reading, writing, listening, and concert attendance required.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MUSIC 0211 or MUSIC 0222 or MUSIC 0100 or MUSIC 0411

MUSIC 0711 - HISTORY OF JAZZ

Minimum Credits: 3

Maximum Credits: 3

The course focuses on the chronological development of jazz from its beginnings on the plantation to its present state as a world concert music. Various styles such as ragtime, blues, gospel, spirituals, rhythm and blues, rock, soul, etc., are examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0800 - HIST OF AMERICAN POPULAR MUSIC

Minimum Credits: 3

Maximum Credits: 3

This course examines those musical styles that are uniquely American and are the result of this country's incredible ethnic diversity. While some forms of American art music are examined (such as symphonic music and opera), the focus of the course is on more popular genres, including folk, blues, jazz, gospel, musical theater, and rock (up to and including today's popular forms). In addition to examining the technical attributes of each of those styles, the course explores their cultural and musical origins and impact.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 0845 - SPECIAL TOPICS IN MUSIC

Minimum Credits: 3

Maximum Credits: 3

Topics for this course will be chosen by the instructor for each subsequent time the course is offered. This course will allow students to do in-depth exploration of a given topic.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

MUSIC 0896 - MUSIC AND FILM

Minimum Credits: 3

Maximum Credits: 3

This introductory course, designed for non-majors with no previous background in music or film studies, examines music within the context of film, instructing students how to listen and think critically about the music and its relationship to the moving image and narrative.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: LVL: Sophomore

MUSIC 1226 - CLASSICAL AND EARLY ROMANTIC MUSIC

Minimum Credits: 3

Maximum Credits: 3

The course will begin a few decades before 1750, tracing the new stylistic trends that grew up in Italy and France during Bach's lifetime, and will

continue through Mozart, Haydn, and Beethoven to the composers of the early nineteenth century who still composed within the classical aesthetic, e.g. Schubert, Schumann, and Mendelssohn.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 1228 - LATE ROMANTIC AND EARLY 20TH CENTURY MUSIC

Minimum Credits: 3

Maximum Credits: 3

This course will begin with the more revolutionary nineteenth-century composers who worked in Paris--Chopin, Berlioz, Liszt--and trace the breakdown of tonality and the emergence of new styles and structural principles in the late nineteenth and twentieth centuries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 1270 - MUSIC, CULTURE & TECHNOLOGY

Minimum Credits: 3

Maximum Credits: 3

Students will engage with major social, historical, and cultural issues affecting music technology in the West from the phonograph in the 19th century to the iPhone in the 21st.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

Course Requirements: LVL: SOPHOMORE

MUSIC 1320 - AMERICAN MUSIC

Minimum Credits: 3

Maximum Credits: 3

The course will focus on the major genres crucial to the understanding of music in American life, both written and unwritten as well as popular, vernacular and classical. Special attention will be given to the results of acculturation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

MUSIC 1396 - MUSIC IN SOCIETY

Minimum Credits: 3

Maximum Credits: 3

"Music in Society" is a multi-perspective humanities study of musical activity in the United States. It draws on techniques and perspectives of historical studies, ethnology, music business, and professional concerns to develop a cultural and historical understanding of music in American life. The course focuses on the types of organizations and environments in which music occurs, and the function of the music in the lives of the participants.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

MUSIC 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 3

Independent study is elected by students who are making significant use of university resources in an independent project not related to any regularly offered course. The project is often off campus, but with some guidance from sponsoring faculty member(s).

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

MUSIC 1955 - VISUAL AND PERFORMING ARTS CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: HAA 0010, HAA 1010; MUSIC 0211; MUSIC 0411; THEA 0104 and (THEA 0805 or THEA 0806); Senior

MUSIC 1970 - UNDERGRADUATE TEACHING ASSISTANT EXPERIENCE

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation as an Undergraduate teaching assistant (UTA) for a music course under the supervision of a faculty member.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

NATSC 0040 - BIG IDEAS IN SCIENCE

Minimum Credits: 4

Maximum Credits: 4

The course "big ideas in science" provides an introduction to scientific discovery, scientific methodology and the social implications of science through a discussion of major scientific concepts including the atom, the periodic table, the big bang, plate tectonics and evolution. The course will use inquiry-based methods of instruction and will provide ample opportunities for student discussion, presentation and scientific writing.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 0050 - NATURAL SCIENCE 1

Minimum Credits: 3

Maximum Credits: 3

This course is intended to acquaint non-science majors with basic concepts that are important to an understanding of various natural physical and biological processes. Scientific principles and methodology are introduced through the integration of information from three key disciplines: biology, chemistry, and physics. The traditional lecture presentation is supplemented and enhanced by current relevant technological instructional aids.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 0070 - PHYSICAL SCIENCE FOR EVERYDAY THINKING

Minimum Credits: 4

Maximum Credits: 4

Inquiry based course intended for the non-science major. Topics include motion, energy, light, circuits, forces, magnetism, electric charge, gravity, the small particle model, pressure, temperature, gases, density, chemical and physical changes, the atom and the periodic table. Additional activities will focus on the process of how students, children and scientists learn science.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PLANS: Pre-Education/Early/Secondary Education

NATSC 0075 - EARTH AND SPACE SCIENCE

Minimum Credits: 3

Maximum Credits: 3

This course addresses physics and earth & space science with a focus on the discovery of the basics of astronomy and how newtonian laws of motion, Kepler's laws of planetary motion and Einstein's relativity led to the understanding of the universe today. The concept of light and its importance will be discussed as well as the tools used in modern astronomy such as telescopes, spectrosopes and charged coupled devices. With this framework developed, our current knowledge of the solar system, exaplanets and the possibility of life beyond earth will be addressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 0218 - THE SOLAR SYSTEM

Minimum Credits: 3

Maximum Credits: 3

This course will discuss the solar system starting with humanity's struggle to correctly conceptualize the nature of the planets and the sun to the latest information we have on the Sun, Moon, planets, comets and asteroids. Important space missions that greatly advanced our knowledge (Apollo, Voyager, Cassini, Pathfinder, etc.) as well as future aims will be interwoven into the relevant areas.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 0250 - NATURAL SCIENCE 2

Minimum Credits: 3

Maximum Credits: 3

This is a second course of a two course sequence for non-science majors. It is intended to involve students with the analysis of various contemporary problems using methods that integrate information from three key disciplines: biology, chemistry, and physics. The specific problems analyzed may vary from term to term. The traditional lecture presentation is supplemented and enhanced by current relevant technological instructional aids.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 0255 - THE MILKY WAY GALAXY

Minimum Credits: 4

Maximum Credits: 4

This course is intended for non-science majors interested in the study of the milky way galaxy. The class will examine our sun and the solar system, as well as all major astronomical aspects of the galaxy itself and of the celestial bodies within it. Students are required to attend at least one evening outdoor viewing session on campus.

Academic Career: Undergraduate

Course Component: Seminar
Grade Component: LG/SNC Elective Basis

NATSC 0270 - SCIENCE + PREHISTORY > ARCHAEOLOGY

Minimum Credits: 4

Maximum Credits: 4

Archaeology in theory, method and practice overlaps with the physical sciences, notably biology, chemistry and geology. Using a pedagogical approach, this course explores these many relationships. A history of the interaction between science and archaeology is surveyed. Techniques for introducing archaeology to the science classroom at both early childhood and secondary levels are demonstrated, illustrating how the physical sciences: (a) collaborate with archaeology illuminate the record of human kind's past; (b) help preserve these fragile resources; and (c) share in our society's stewardship responsibility to conserve the past for posterity.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PLANS: Pre-Education or Early Childhood Education or Secondary Education

NATSC 0300 - VILLAGE SEMINAR IN THE NATURAL SCIENCES

Minimum Credits: 3

Maximum Credits: 3

The village seminar is a special topics course designed to give members in one of the academic villages an opportunity to take a course that provides an interdisciplinary perspective on a contemporary issue. The seminar will be team-taught by faculty from different disciplines with expertise on the current topic.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

NATSC 0310 - ETHICAL ISSUES IN SCIENCE

Minimum Credits: 3

Maximum Credits: 3

This course examines the ethical implications of developments in science and technology--such as those involving gene cloning and splicing, prolonging life, prenatal testing, radiation and ozone depletion, purported climate change, environmental hazards and safety, and agricultural practices. Attention will be given to frameworks and perspectives for ethical analysis as well as methods for analyzing risk-benefit trade-offs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NATSC 1235 - MEDICAL TERMINOLOGY

Minimum Credits: 1

Maximum Credits: 1

A basic study of the professional language of medicine. It is designed to include word construction, pronunciation, spelling, definition, and use of terms related to all areas of medical science, hospital service, and health related professions. This ONLINE course is designed to give the student a knowledge of words frequently used in the medical field and provides examples through the review of basic anatomy and physiology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

NUR 0001 - FRESHMAN SEMINAR - NURSING STUDENTS

Minimum Credits: 0

Maximum Credits: 0

This course is designed to provide beginning nursing students with an overview of the nursing profession and an introduction to the school of nursing. The purpose of the course is to facilitate the students' adjustment to the University environment and to acquaint them with the skills and resources available to promote success.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: H/S/U Basis

ORIENT 0001 - ORIENTATION

Minimum Credits: 0

Maximum Credits: 0

Orientation of freshmen.

Academic Career: Undergraduate

Course Component: Workshop

Grade Component: No Grade Required

PHIL 0026 - EASTERN THOUGHT

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to various schools of Eastern thought such as Hinduism (including Yoga), Buddhism (with an eye to its Indian, Chinese, and Japanese forms), Confucianism, and Daoism. Readings will include both primary texts in translation and Western applications.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0080 - INTRODUCTION TO PHILOSOPHICAL PROBLEMS

Minimum Credits: 3

Maximum Credits: 3

An introduction to some classical problems of philosophy. Topics vary, but might include skepticism, free will, the existence of god, and the justification of ethical beliefs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0200 - HISTORY OF ANCIENT PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

The aim of this course is to introduce students to some of the main achievements and leading ideas of ancient Greek philosophy up to classical times. Emphasis will be on understanding and evaluating the arguments and ideas of the Greek philosophical tradition.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0210 - HISTORY OF MODERN PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

An introduction to the philosophical period from Descartes through Kant. Special attention is given to at least one rationalist, one empiricist, and Kant.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0220 - INTRODUCTION TO EXISTENTIALISM

Minimum Credits: 3

Maximum Credits: 3

This introductory level course explores the central existentialist question of how to be a genuine individual or self through reading of several major authors, such as pascal, Kierkegaard, Dostoevski, Nietzsche, and Sartre.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0300 - INTRODUCTION TO ETHICS

Minimum Credits: 3

Maximum Credits: 3

This is an introductory course considering the question of one fundamental moral principle - right and wrong. The results are applied to moral problems of serious interest today.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0310 - ETHICS, SCIENCE AND TECHNOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course examines the ethical implications of developments in science and technology--such as those involving gene cloning and splicing, prolonging life, prenatal testing, radiation and ozone depletion, purported climate change, environmental hazards and safety, and agricultural practices. Attention will be given to frameworks and perspectives for ethical analysis as well as methods for analyzing risk-benefit trade-offs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0320 - SOCIAL PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

An introduction to some traditional philosophical perspectives on the nature of society. Philosophers studied might include Plato, Hobbes, Marx, and Twentieth-Century social theorists.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0365 - MORAL PHILOSOPHY AND THE LAW

Minimum Credits: 3

Maximum Credits: 3

An exploration of moral perspectives on the law via an examination of such questions as the following: does law have a moral basis or justification? Is there a moral duty to obey the law? Are there objective standards of conduct that are morally binding on everyone? Is it morally proper to use the law in an attempt to coerce moral behavior?

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0470 - PHILOSOPHY OF RELIGION

Minimum Credits: 3

Maximum Credits: 3

A critical examination of the rationality of faith in the existence of god. Traditional arguments both for and against the existence of god are considered, along with pragmatic justifications of faith based upon its beneficial consequences.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0500 - INTRODUCTION TO LOGIC

Minimum Credits: 3

Maximum Credits: 3

An introduction to the concepts and methods of modern deductive logic. Propositional logic is emphasized, but quantificational logic is touched upon.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0600 - PHILOSOPHY OF FRIENDSHIP, LOVE AND SEX

Minimum Credits: 3

Maximum Credits: 3

Encourages students to develop philosophically rich and informed reflection on relationships and sex. Readings will include both classic texts and contemporary writings, inspiring discussion about the nature of friendship and love as well as more specific (and more controversial) topics like marriage, polyamory, prostitution, pornography, online dating, sexting, and hooking up.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 0790 - PHILOSOPHY OF ART

Minimum Credits: 3

Maximum Credits: 3

This course examines basic questions of aesthetics as they have been developed in the philosophical tradition. Questions include: what is art, beauty, and taste? How do we determine whether something is a work of art? How do we judge it? How much does the institutionalized world of art affect all of these issues? What is the value of art for society?

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 1120 - PHILOSOPHY OF FILM AND FILM THEORY

Minimum Credits: 3

Maximum Credits: 3

This course will investigate the aesthetic and social philosophical aspects of film. Topics include film as art, film language, film narrative, spectator, auteur, realism, feminism, and culture critique.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course or permission of instructor

PHIL 1245 - AMERICAN PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

This course will survey major themes in American philosophy, with a concentration on pragmatism. It will begin with a study of early thinkers like Thoreau and Emerson, though the majority of course will be dedicated to the pragmatists pierce, James and Dewey. The course will conclude with a look at one or more contemporary pragmatists, like Rorty.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 1320 - TOPICS IN SOCIAL PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course concentrates on a few selected philosophical problems concerning the nature of society; the selection will vary from one offering of the course to another. The course may be historical or topical in approach.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 1340 - FEMINIST PHILOSOPHY

Minimum Credits: 3

Maximum Credits: 3

A comparison of biological, psychological, and economic theories of the nature and causes of the oppression of women. Authors studied might include de Beauvoir, Freud, Marx, Veblen, and Emma Goldman.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course or permission of instructor

PHIL 1370 - PHILOSOPHY OF ART

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course addresses philosophical problems that arise in connection with art, such as the nature of works of art, the comparison and contrast between representational and non-representational art, the definition of beauty, and special obligations concerning art works.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course or permission of instructor

PHIL 1380 - BUSINESS ETHICS

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course considers a selection of ethical issues that arise in connection with business needs and practices, such as employer-employee relations, truth in advertising, responsibilities to consumers, fair and unfair competitive practices, environmental effects, contractual obligations, liability for damages, and governmental regulation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHIL 1460 - THEORY OF KNOWLEDGE

Minimum Credits: 3

Maximum Credits: 3

This is an advanced undergraduate course in recent and contemporary epistemology. Topics vary somewhat, but generally include many of the following: skepticism, sense data and the myth of the given, induction and confirmation, definition of "knowing-that-p", holism and coherence, the status of common sense, and so on.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course or permission of instructor

PHIL 1500 - SYMBOLIC LOGIC

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course develops skills in formal and informal reasoning in predicate-quantifier logic, and covers formal semantics for sentential logic, informal semantics for predicate-quantifier logic, and elementary syntactic metatheory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course

PHIL 1640 - PHILOSOPHY OF PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course covers such topics as mind-body reductionism, behaviorism, functionalism, cognitivism, and the relation of artificial intelligence research to psychological theory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Any PHIL course or any PSY course

PHIL 1890 - ISSUES IN PHILOSOPHY (VARIOUS)

Minimum Credits: 3

Maximum Credits: 3

This intensive, advanced-level seminar is reserved for special philosophical topics that do not fit standard course-catalog categories. Issues discussed vary from year to year, but tend to be narrowly focused and specialized.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: (1 PHIL course or ENGCOMP 0020); LVL: Junior

PHIL 1901 - INDEPENDENT STUDY--UNDERGRADUATE

Minimum Credits: 1

Maximum Credits: 9

This course is a way of offering university credit in philosophy for relevant experiences or work undertaken independently, with little or no formal interaction with an instructor.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

PHIL 1902 - DIRECTED STUDY--UNDERGRADUATE

Minimum Credits: 1

Maximum Credits: 9

This course provides an individualized study program, on a topic not covered in the regular curriculum, under the close supervision of a faculty advisor. The student is generally expected to produce a substantial piece of written work.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PHIL 1969 - SPECIAL TOPICS - STUDY ABROAD

Minimum Credits: 1

Maximum Credits: 1

The study of special topics related to a study abroad experience.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PEDC 0022 - AEROBIC DANCE

Minimum Credits: 1

Maximum Credits: 1

Improve your fitness levels with this aerobic dance to music course. One of America's most popular ways to exercise. This program is for all ages. Each enrollee will be permitted to participate at his/her own level, gradually improving muscle tone, cardiac, and respiratory fitness.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

PEDC 0023 - WEIGHT TRAINING

Minimum Credits: 1

Maximum Credits: 1

A coeducational class designed to provide the student with the opportunity to develop and practice basic weight training techniques. With the guidance of the instructor, the student will be encouraged to develop an individualized self-designed program. The emphasis of this course will be placed on progressive-resistive exercises.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

PEDC 0025 - AEROBICS-CROSS COUNTRY RUNNING

Minimum Credits: 1

Maximum Credits: 1

Primarily involves a training program of light to moderate intensity with increased cardiovascular fitness and improved quality of life as a goal. In support of the instruction on cross-country running, students will receive some background information on aerobics in the form of handouts and mini lectures.

Academic Career: Undergraduate

Course Component: Credit Laboratory

Grade Component: LG/SNC Elective Basis

PEDC 0310 - HEALTH SCIENCE

Minimum Credits: 3

Maximum Credits: 3

This course explores major physical and mental health issues including the physiological process underlying these health concerns and risk reduction strategies. Topics include discussion of numerous infectious vs non-infectious diseases, physiology of stress, science of nutrition and weight control, and the physiological effects of alcohol, drugs, and tobacco.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHYS 0110 - INTRODUCTION TO PHYSICS 1

Minimum Credits: 3

Maximum Credits: 3

This is the first term of a two-term, algebra-based sequence in introductory physics. This term deals with mechanics, heat and thermodynamics, and waves.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0020 or any MATH greater than or equal to MATH 0031 (Min Grade 'C') or MATH PLACEMENT SCORE (61 or greater)

PHYS 0111 - INTRODUCTION TO PHYSICS 2

Minimum Credits: 3

Maximum Credits: 3

This is the second term of a two-term, algebra-based sequence in introductory physics. This term deals with electricity and magnetism, optics, and modern physics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: PHYS 0110

PHYS 0174 - BASC PHYS SCI & ENGR 1 (INTGD)

Minimum Credits: 4

Maximum Credits: 4

The integrated curriculum version of PHYS 0104, the first part of a two-term sequence (PHYS 0174, PHYS 0175) introduces students to the basic principles of mechanics. An effort has been made to achieve a better integration of physics with the first term of calculus, engineering, and chemistry. The theory of waves and the kinetic theory of gases will be discussed.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: MATH 0220

PHYS 0174 - BASIC PHYSICAL SCIENCE AND ENGINEERING 1 [BLANK]

PHYS 0174 - BASIC PHYSICS, SCIENCE AND ENGINEERING 1 (INTEGRATED)

Minimum Credits: 4

Maximum Credits: 4

The integrated curriculum version of PHYS 0104, the first part of a two-term sequence (0174-0175) introduces students to the basic principles of mechanics. An effort has been made to achieve a better integration of physics with the first term of calculus, engineering, and chemistry. The theory of waves and the kinetic theory of gases will be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: CREQ: MATH 0220

PHYS 0175 - BASC PHYS SCI & ENGR 2 (INTGD)

Minimum Credits: 4

Maximum Credits: 4

The integrated curriculum version of PHYS 0105, the second part of a two-term sequence (PHYS 0174, PHYS 0175), introduces students to the basic principles of physics. An effort has been made to achieve a better integration of physics with the first term of calculus, engineering, and chemistry. Modern physics (special relativity, elementary quantum mechanics, and atomic structure) will be discussed.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PHYS 0174; CREQ: MATH 0230

PHYS 0175 - BASIC PHYSICAL SCIENCE AND ENGINEERING 2 [BLANK]

PHYS 0175 - BASIC PHYSICS, SCIENCE AND ENGINEERING 2 (INTEGRATED)

Minimum Credits: 4

Maximum Credits: 4

The integrated curriculum version of PHYS 0105, the second part of a two-term sequence (0174-0175), introduces students to the basic principles of physics. An effort has been made to achieve a better integration of physics with the first term of calculus, engineering, and chemistry. Modern physics (special relativity, elementary quantum mechanics, and atomic structure) will be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PHYS 0174; CREQ: MATH 0230

PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS

Minimum Credits: 2

Maximum Credits: 2

This is an introductory physics laboratory associated with the physics 0110-0111 sequence.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PHYS 0110 or PHYS 0174

PHYS 0219 - BASIC LABORATORY PHYSICS SCIENCE AND ENGINEERING

Minimum Credits: 2

Maximum Credits: 2

This is an introductory physics laboratory associated with the physics 0104-0105-0106 sequence.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PHYS 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 9

This course gives students the opportunity to design and carry out an individual project not covered by any course offerings.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

PHYS 1902 - DIRECTED READING

Minimum Credits: 1

Maximum Credits: 9

This course is designed to give students the opportunity to design a plan of reading to be agreed upon by the student and a supervising faculty member.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PS 0200 - AMERICAN POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course is, quite generally, designed to provide students with a basic working knowledge of the basic goals of the constitutional framers, giving

students an understanding of the purposes of the American political system; the essential structures (or institutions) within the American political system, the behavior (broadly defined) of the actors within the American political system, the purpose and performance of the linkage institutions in the United States (possibly including political parties, elections, and interest groups); and the types of policies that are often produced by a system with the characteristics of those found in the United States. Depending on the interests, area of expertise, and inclinations of the particular instructor, some of these may be emphasized more heavily than others.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 0211 - AMERICAN SYSTEM OF CRIMINAL JUSTICE

Minimum Credits: 3

Maximum Credits: 3

This course examines the structure and function of the American criminal justice system. Subject matter involves an examination of criminal procedure as it has been established by the U.S. Constitution, state constitutions, and judicial interpretations. Case law and the manner in which case law shapes the work activities of criminal justice professionals are emphasized. Critical issues in the administration of justice are also examined (alternatives to incarceration, victims' rights, and others).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 0300 - COMPARATIVE POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course provides students with basic information about a range of political systems outside the United States and teaches them to use that information to examine major theories about politics. The course is also designed to help students understand the government and the politics of the United States in comparative perspective and to develop some understanding of comparative methodology and the logic of comparison as a social science method. Depending on the interests, area of expertise, and inclinations of the particular instructor, some regions and topics might be emphasized more heavily than others.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 0335 - SOCIOLOGY OF POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course examines the relationship between political institutions and the institutions of the economy, family, education, religion, and stratification. With a major focus on American society and the conditions underlying stable democracy, these relationships are studied in historical and cross-societal comparative perspective as well as in terms of a society's location in the system of international relations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 0500 - WORLD POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course aims to increase students' knowledge of the history of the modern state system and, in particular, political developments during the past few decades. It introduces students to basic concepts and analytic frameworks that political scientists employ to understand world politics, enhancing students' knowledge of international institutions that play important roles in world politics and exploring current issues in world affairs relating to

human welfare and security. Depending on the interests, area of expertise, and inclinations of the particular instructor, some of these may be emphasized more heavily than others.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 0600 - POLITICAL THEORY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the idea of normative political theory and to important authors and concepts in the western political theory tradition. Students will learn to understand both historical and contemporary debates surrounding important political concepts such as authority, justice, liberty, and democracy, and to appreciate the differences among normative, empirical, logical, and faith-based political claims. Students will learn to read critically and analytically, to make simple normative arguments, and to explain the specific role of normative arguments in political science and political life. Depending on the interests, area of expertise, and inclinations of the particular instructor, some of these may be emphasized more heavily than others.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1201 - CONSTITUTION AND CIVIL LIBERTIES

Minimum Credits: 3

Maximum Credits: 3

The course will explore major topics in the area of civil liberties and civil rights which have concerned the Supreme Court in recent years and which have provoked extensive political and social controversy. Examples include decisions about discrimination, privacy, freedom of speech and assembly, and conflicts between freedom of the press and a fair trial.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1202 - AMERICAN CONSTITUTIONAL LAW

Minimum Credits: 3

Maximum Credits: 3

The United States constitution plays an extraordinarily powerful role in American political life. The primary focus of this course is examination of the role of constitutional law in the American political process. We do this by analyzing constitutional interpretation by the United States Supreme Court and other federal courts in its major decisions. Students will learn how the court reached its decisions, who some significant justices have been, how the court considered contending arguments, and what the consequences of these decisions for our political system have been. Topics include the development of judicial review and close analysis of the way in which the court has addressed the two major structural features of the U.S. Constitution ' separation of powers and federalism in an historic and contemporary setting. Specific issues in these areas are struggles over presidential and congressional power and national versus state power. We also address issues regarding civil liberties and civil rights. Students should find this course helpful in reaching a more sophisticated understanding of the major issues of constitutional law in American life, as well as providing a useful background to the cases and kinds of legal analysis they may pursue in further study in law school or other graduate study.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1210 - RELIGION AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

Religion and politics both wrestle with issues of justice, power, authority and liberty, and both offer to serve as sources of meaning in our lives. Inevitably then, religion and politics are intimately entwined. In the US, the most religious and religiously diverse nation in the world, founded by a religious people seeking religious liberty, religion plays prominently in politics and political culture and politics strongly influences religious belief and practice. This course will explore the intermingling of religion and politics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300 or PS 0600

PS 1211 - LEGISLATIVE PROCESS

Minimum Credits: 3

Maximum Credits: 3

This course provides an analysis of the legislative process in modern democracies with primary attention devoted to the legislative process in the United States. The history and meaning of representation is analyzed as is the behavior of participants in the legislative process. The impact of social-economic forces on decision-making in the United States is studied as are the roles of interest groups, political parties, the executive branch, and the judiciary.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300

PS 1212 - AMERICAN PRESIDENCY

Minimum Credits: 3

Maximum Credits: 3

This course provides an analysis of presidential leadership in the United States. The first part of the course deals with factors helping to explain presidential leadership; how presidents are nominated and elected, the constitutional framework within which the presidency operates, presidential relations with the bureaucracy, and presidential personality. This framework is then used for an intensive analysis of presidential leadership in foreign and domestic policy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300

PS 1213 - LAW AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

Examines the relationship between law and values, law and power, and law and discretion. Legal reasoning is examined as applied to statutory, case, and constitutional law.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1231 - POLITICAL PARTIES AND ELECTIONS

Minimum Credits: 3

Maximum Credits: 3

This course examines the organization and character of American political parties, the impact of environmental factors on party processes and behavior, patterns of party competition, and the role of parties in shaping public policy and in providing a linkage between public and government. Attention is also given to the political behavior of the American public. Recent changes in the organization of party institutions are examined.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: PS 0200 or PS 0300

PS 1232 - POLITICAL ATTITUDE & PUBLIC OPINION

Minimum Credits: 3

Maximum Credits: 3

This course explores the formation and measurement of mass public opinion. Topics include: how individuals gather information; the formation of political ideology, political attitudes, and political preferences; the stability of public opinions across different issues; the relationship between mass public opinion and government policy (both what it is, and what it should be); and methods for measuring public opinion, including public opinion surveys.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1233 - POLITICAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

There are numerous ways that we can explain political behavior (including both overt behavior such as voting and latent behaviors such as attitudes and preferences). In this course, we consider a number of such explanations (all from the discipline of psychology), including those rooted in personality, biology, emotions, culture, and environmental influence.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1234 - ELECTORAL BEHAVIORS AND DEMOCRATIC PROCESS

Minimum Credits: 3

Maximum Credits: 3

This course examines the factors that affect national electoral outcomes in the U.S.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300

PS 1241 - PUBLIC ADMINISTRATION AND POLITICAL SYSTEM

Minimum Credits: 3

Maximum Credits: 3

This course analyses the nature of the public bureaucracy in the United States and its role in governance. Special emphasis is placed on questions of accountability and responsibility.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1251 - URBAN GOVERNMENT AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the key structures, procedures and problems of cities and urban areas. Topics covered include: city-suburban conflicts, relations between cities and the federal government, forms of local government and their advantages and disadvantages, property taxes, housing, urban renewal, crime, courts, and education. The principal objective of the course is to help the student develop a well-informed and differentiated view of urban places and problems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1252 - STATE GOVERNMENT

Minimum Credits: 3

Maximum Credits: 3

This course will survey political processes and public policy outcomes in the fifty American states. Policy areas to be covered include the environment, era, taxation, crime and law enforcement, and welfare.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300

PS 1261 - AMERICAN PUBLIC POLICY

Minimum Credits: 3

Maximum Credits: 3

This course will focus on a variety of public policy issues. The issues include social welfare programs, management of the economy, governmental regulation of business activities, environmental programs, urban problems, civil rights, civil liberties, crime control efforts, and foreign policy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300

PS 1311 - WESTERN EUROPEAN GOVERNMENT AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course covers the politics and government of Western European countries at the national and local levels. It also considers some aspects of the relationships between the European Union and its member states.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300

PS 1314 - GERMAN GOVERNMENT AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course examines political institutions and developments in Germany following the second World War, first tracing them through the eras of postwar occupation, Cold War partition and consolidation of the two German states, through the East German revolution of 1989 that set the state for unification. The course will pay special attention to the domestic and international public policy challenges facing post-unification Germany.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500 or GEOG 0101 or HIST 0101 or HIST 0180 or HIST 1367

PS 1317 - POLITICS OF THE EUROPEAN UNION

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the European community. It will provide a historical overview of the immediate post-war period and introduce students to the community's four major governing institutions. It also considers the single European act and its significance and explores the role of the "big four" countries within the community.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1318 - EUROPEAN GOVERNMENT AND POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course will encompass the comparative study of the political systems of Western Europe including the UK, France, Germany, Italy, Spain, Poland, and Scandinavia. The primary themes will include political development and institutions, security, European integration, political culture, political economy, and democratization.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500

PS 1321 - LATIN AMERICAN POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course compares and contrasts the governments and political processes throughout Latin America. It offers a detailed look at several countries, and also provides a comparative framework to discuss the rise, fall, and quality of democracy.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500 or HIST 0101 or HIST 0180 or HIST 0500 or HIST 0501 or HIST 1367 or GEOG 0101

PS 1346 - POLITICAL EAST EUROPE

Minimum Credits: 3

Maximum Credits: 3

The lives and times of the people and states of "the lands between" of eastern Europe are examined in terms of three forces that have shaped their contemporary cultures, their chronic and multi-dimensional "between-ness" on the political and cultural map of Europe, and the influence of a succession of modern ideologies (from nationalism and liberalism to fascism and communism) on their institutions and behavior.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1361 - COMPARATIVE POLITICAL PARTY SYSTEMS

Minimum Credits: 3

Maximum Credits: 3

This course compares the political party systems, electoral processes, and other institutions of governance in four or more countries, which vary by instructor and term.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1501 - THEORY OF INTERNATIONAL RELATIONS

Minimum Credits: 3

Maximum Credits: 3

This course explores central concepts and theories employed by political scientists to explain how world politics functions. You will be introduced to theoretical orientations such as realism, institutionalism, and constructivism, and we will discuss how constructs such as power, interests, identity, legitimacy, and order provide insight into political behavior. Much of the material examined in the course is abstract and you will need to think carefully about how the various concepts and arguments can be integrated. By the end of the course, you should have developed a relatively sophisticated conceptual framework with which to analyze events in world politics.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1503 - INTERNATIONAL ORGANIZATION

Minimum Credits: 3

Maximum Credits: 3

The course will focus on nongovernmental as well as intergovernmental organization, and will be concerned with the economic as well as the political aspects of such organization. Throughout the course, international organization will be approached as an arena for both conflict and cooperation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500

PS 1504 - NATIONALISM

Minimum Credits: 3

Maximum Credits: 3

Theories of nationalism, ethnicity, and race are examined and are contrasted with theories of modernization and socialism. Particular emphasis is placed on ethnonationalism in developed Western countries, such as Britain, France, Spain, Belgium, and Canada, and on ethnic politics in the U.S. Comparisons are drawn with nationalism in other types of political systems, particularly the USSR, Yugoslavia, and selected Middle East and African countries.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1511 - AMERICAN FOREIGN POLICY

Minimum Credits: 3

Maximum Credits: 3

Provides a historical survey of American foreign policy from the end of World War II until the present, an analysis of the decision making process led by the president of the United States, and a discussion of the impact of both the international political system and American domestic politics on this process.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300 or PS 0500 or GEOG 0101 or HIST 0600 or HIST 0601

PS 1513 - FOREIGN POLICIES--CHANGING WORLD

Minimum Credits: 3

Maximum Credits: 3

The aim of this course is to introduce students to the analysis of foreign policy as a form of political behavior and to the specific factors influencing the foreign policies of several of the world's most powerful states. The lectures and readings follow several intertwining themes, covering: 1) the conceptual and analytical tools utilized to investigate and compare the foreign policies of states; 2) the nature of certain phenomena which present countries with complex and dangerous international problems, e.g. security, interdependence; 3) the particular sources, processes and outcomes involved in the foreign policies of several states including the United States, Russia and others. The approach is analytical and though some of the readings and lectures are historical, the emphasis is on the contemporary context. It is also comparative, offering students a look at how these states' domestic culture, processes and institutions affect their foreign policies. (International relations field)

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1514 - POLITICAL STRATEGY INTERNATIONAL RELATIONS

Minimum Credits: 3

Maximum Credits: 3

This course is designed to examine how governments attempt to achieve important foreign policy objectives. The focus will be on describing and evaluating such general strategies as containment, roll back and detente in the Soviet-American conflict.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1531 - NATIONAL SECURITY POLICY

Minimum Credits: 3

Maximum Credits: 3

National security is becoming a crucial issue with an impact both in the international system and in the domestic environment. This course will discuss the different approaches to national security and the policies through which they have been implemented, such as military buildup, political and military alliances, military and economic consequences, and nuclear policies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500

PS 1541 - POLITICS GLOBAL ECONOMIC RELATIONS

Minimum Credits: 3

Maximum Credits: 3

This course examines the connections between power and wealth, states and markets, and economics and politics in order to gain a better understanding of the political underpinnings of the global economy as well as the influences that international economics has on national and international politics. It is an introduction to what political scientists call international political economy (or simply IPE).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0300 or PS 0500

PS 1601 - ANCIENT AND MEDIEVAL POLITICAL THOUGHT

Minimum Credits: 3

Maximum Credits: 3

This course surveys the work of major thinkers in the Western political tradition from ancient Greece through the middle ages, such as Plato, Aristotle, Augustine, Aquinas, and others.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0600

PS 1602 - EARLY MODERN AND ENLIGHTENMENT POLITICAL THOUGHT

Minimum Credits: 3

Maximum Credits: 3

This course surveys the work of major thinkers in the Western political tradition from the early modern period through the enlightenment, such as Machiavelli, Hobbes, Locke, Rousseau, and Burke.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0600

PS 1603 - MODERN AND CONTEMPORARY POLITICAL THOUGHT

Minimum Credits: 3

Maximum Credits: 3

This course addresses the progress of democratic theory and relevant "challengers" in the course of the 19th and 20th centuries. Starting with post-revolutionary expressions of democracy, the class turns to the various challenges democracy faces in that time period: Marxism, communism, anarchism, fascism, and totalitarianism. It then looks at where democratic theory was left following these challenges in the 1960's and 1970's, and what that meant for the idea of democracy itself. Students in the class will gain exposure to Paine, DeToqueville, Marx, Lenin, Arendt, Goldman, Dahl, and Schumpeter. Grading will be primarily focused on short reaction papers, in-class writing and recall exercises, and a final argumentative research paper.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0600

PS 1607 - AMERICAN POLITICAL THOUGHT

Minimum Credits: 3

Maximum Credits: 3

This course provides a survey of American political thinking from the founding to the present.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0600

PS 1610 - POLITICAL THEORY OF THE AMERICAN FOUNDING

Minimum Credits: 3

Maximum Credits: 3

This course will examine the political theory of the American founding period through reading and discussion of the political thought of some of the leading figures. The main emphasis will be on the thought of Jefferson, Adams, Madison, and Hamilton, along with selections from others such as Franklin, Paine, and the anti-federalists. Major political and constitutional documents from the period, and their background, will also be examined. The materials will largely be from 1760-1800, including pre-revolutionary developments, the revolution, the confederation, transition and how they do so. The second part of the course will then examine why some countries are more successful in their transition, based on an examination of civil society and the types of political institutions (such as political parties, the executive system, and the judiciary) that countries develop. What influences these choices and how do these choices affect success and stability of the new democracy? Has international aid been successful in helping countries develop democratic practices?

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1629 - TOPICS IN POLITICAL THEORY

Minimum Credits: 3

Maximum Credits: 3

This course focuses intensely on a specific topic or problem in political theory; topics vary by instructor and term.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PS 1836 - POLITICS THROUGH FILM

Minimum Credits: 3

Maximum Credits: 3

This course uses cinema from a variety of countries to explore, in comparative perspective, central concepts and themes of politics, such as power, authority, conflict, leadership, ideology, propaganda, revolution, justice, and participation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PS 0200 or PS 0300 or PS 0500 or PS 0600

PS 1900 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 12

Credit for internships per se is normally limited to the Washington center for learning alternatives or other special centers with which the University of Pittsburgh has formal arrangements.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

PS 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

Independent study is normally associated with internships or special programs like the Washington center on learning alternatives.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

PS 1902 - DIRECTED READING

Minimum Credits: 1

Maximum Credits: 3

Readings on special topics for which courses are not currently offered.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PS 1903 - DIRECTED RESEARCH

Minimum Credits: 1

Maximum Credits: 6

Research on special topics for which courses are not currently offered.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PS 1904 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 12

Practical experience in political science in a professional setting. Work is directed by the employer and evaluated jointly with the faculty supervisor.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

PS 1955 - POLITICAL SCIENCE CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior political science majors.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Senior

PS 1969 - SPECIAL TOPICS - STUDY ABROAD

Minimum Credits: 1

Maximum Credits: 1

The study of special topics related to a study abroad experience.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PSY 0004 - PSYCHOLOGY CAREER PLANNING SEMINAR

Minimum Credits: 1

Maximum Credits: 1

The psychology career planning seminar will acquaint you with some of the many opportunities for employment and graduate school after obtaining your bachelor's degree. This seminar will also familiarize you with the procedures necessary to pursue those opportunities with particular emphasis on identifying and applying to graduate programs.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Satisfactory/No Credit

Course Requirements: PLAN: PSY Major

PSY 0010 - INTRODUCTION TO PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

Summary of our present knowledge in fundamental areas of learning, sensation and perception, biological basis of behavior, developmental patterns, motivation, emotion, personality and adjustment, and measurement of behavior. Information and concepts are applied to problems in understanding human behavior. Additional out-of-class experiments or an equivalent research paper are a part of the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0022 - INTRODUCTION TO EXISTENTIALISM

Minimum Credits: 3

Maximum Credits: 3

This introductory level course explores the central existentialist question of how to be a genuine individual or self through readings of several major authors, such as Pascal, Kierkegaard, Dostoevski, Nietzsche, and Sartre.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0032 - RESEARCH METHODS 1

Minimum Credits: 4

Maximum Credits: 4

Laboratory course dealing with research methods in the study of behavior, with particular attention toward understanding individual social behavior. Offers a combination of field and lab research.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 0200

PSY 0105 - INTRODUCTION TO SOCIAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

An overview of social psychology. The scientific study of how one person's behavior and/or characteristics can influence the thoughts, feelings and behaviors of others. Topics covered include social perception, attitude formation and change; prejudice and discrimination; altruism and aggression; cooperation, competition, and bargaining; group decision making, leadership; and environmental effects on behavior.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: PSY 0010

PSY 0160 - PSYCHOLOGY OF PERSONALITY

Minimum Credits: 3

Maximum Credits: 3

Survey of major approaches to the study of personality, focusing on their relative abilities to provide coherent explanations for individual behavior. Issues involved in the assessment of personality will also be discussed and several assessment procedures evaluated. Recent research in personality psychology is reviewed and analyzed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 0175 - PSYCHOLOGY OF RELIGION AND SPIRITUALITY

Minimum Credits: 3

Maximum Credits: 3

Examines the scientific study of thoughts, behaviors, emotions, and experiences that relate to the sacred. Includes a comparison of the terms religion and spirituality, and explores research methods used in the field. Surveys research and theory concerning the following topics: religious development across the lifespan, religious motivations, spiritual and mystical experiences, conversion, cults, religious fundamentalism, images of and relationships with god, the neuroscience of religion, religious coping, and religion/spirituality in applied settings (i.e., psychotherapy, assessment, consultation).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 0184 - PSYCHOLOGY OF GENDER

Minimum Credits: 3

Maximum Credits: 3

This course is intended to be an introduction to the theories and current research on the psychological nature of women and the psychology of gender roles. The male perspective on gender roles will also be included. The effects of cultural factors that determine both female and male roles in our society will be examined as well as how these roles affect different interpersonal relationships between women and men. The potential for change at both the societal and individual level will be discussed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0186 - CROSS CULTURAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

The systematic, scientific study of human behavior takes into account the diverse ecological and cultural settings in which we live. The course covers traditional topics in human psychology-perception, cognition, personality development, intergroup relations and impact of social change. Research data are emphasized. Approach is interdisciplinary, integrating material from anthropology as well as psychology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0310 - DEVELOPMENTAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

The course focuses on development of the child from birth to adolescence, the current theory and research concerning social, emotional, intellectual, perceptual and language development. The organization of the course is topical. Coverage is confined to normal development; what develops, how and why in the average child. Little attention to abnormal development.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 AND ENROLLMENT NOT PERMITTED IF CURRENTLY ENROLLED, OR PREVIOUSLY ENROLLED IN PSY 0311.

PSY 0311 - LIFESPAN DEVELOPMENT

Minimum Credits: 3

Maximum Credits: 3

This course follows human development from fetal stages until the end of life. The course includes theory, research and practical applications. Lecture topics include genetic/environmental influences; prenatal and birth factors; physical, cognitive, social, personality, and cultural variables which influence normal and abnormal development in infancy, childhood, adolescence, early-, middle-, and late adulthood.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 AND ENROLLMENT NOT PERMITTED IF CURRENTLY OR PREVIOUSLY COMPLETED PSY 0310.

PSY 0330 - EXPERIMENTAL CHILD

Minimum Credits: 4

Maximum Credits: 4

Introduces students to the scientific basis of theories and issues in child and developmental psychology. Students will learn about and apply basic methods of research in child development, including conducting a study and writing it up according to American psychological association (APA) style. Primarily organized around the child's cognitive development, but other topics will be discussed as well.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 0335 - CHILDREN, MEDIA, AND TECHNOLOGY

Minimum Credits: 3

Maximum Credits: 3

Children are exposed to a large variety of media. Using the scientific studies, we will examine how media affect children's intellectual, social, and personal development, reviewing several theories about how children and media interact

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0310

PSY 0380 - PSYCHOLOGY OF AGING

Minimum Credits: 3

Maximum Credits: 3

This course is designed to examine the basic psychological changes occurring through adulthood into old age. Particular emphasis will be given to the biological, social, and cultural influences. Discussions with some outside speakers, movies and demonstrations augment the course.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0402 - EXPERIMENTAL LEARNING

Minimum Credits: 4

Maximum Credits: 4

Laboratory course offering an overview of principles of learning and behavior. Topics include Pavlovian and operant procedures, vicarious learning, generalization, and discrimination. Individual behavior modification project and lab report required.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 0405 - LEARNING AND MOTIVATION

Minimum Credits: 4

Maximum Credits: 4

This course elucidates fundamental principles of learning and motivation as derived predominantly from animal research. Focus is given to the empirical and conceptual processes underlying the facilitation and suppression of behavior, e.g. primary and conditioned reinforcement, non-reinforcement, punishment and avoidance as well as the generalization and discrimination of these processes.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0410 - HUMAN COGNITION

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to theory and research regarding human cognition. Topics covered include how humans: sense, perceive, and attend to objects in the environment, remember certain stimuli, events, and skills, form concepts, learn, and solve problems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 0505 - INTRODUCTION TO BIOPSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This is a survey course in which the biological bases of certain classes of behavior are explored. The behaviors studied are limb movement, sleep and wakefulness, feeding, sexual behavior and learning and memory. Each of these behaviors is considered from the point of view of which brain structures and which neurotransmitters are involved in the production of that behavior. Emphasis is also placed on experimental techniques used to obtain relevant data and on the type of inferences which can be made from these experiments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 or any introductory BIOSC course

PSY 0510 - SENSATION AND PERCEPTION

Minimum Credits: 3

Maximum Credits: 3

This course examines the nature of the mechanisms that transform sensory input into our perceptual experience of the world. Topics include structure and function of sensory system, perception of color, object, motion, etc. Both information-processing and ecological approaches to the study of perception are considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 0680 - INTRODUCTION INDUSTRIAL/ORGANIZATIONAL

Minimum Credits: 3

Maximum Credits: 3

A survey course of contemporary practice in the field of industrial psychology. Principal topics include employee selection, testing, performance appraisal, training and development, leadership, work motivation, organizational psychology, conditions at work, engineering psychology, employee safety and health, consumer and marketing psychology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1001 - INTRO EDUCATIONAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

A survey of current problems in education which psychological theory and research can address. Topics include developmental approaches to teaching, educational applications of learning theory, classroom management, and testing strategies for teachers.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1025 - TESTS AND MEASUREMENT

Minimum Credits: 3

Maximum Credits: 3

This course reviews representative examples of current psychological tests and covers, in some detail, the nature of psychological measurement and the elements of test theory and test construction. Topics covered include item analysis, item selection techniques, reliability, validity and validation procedures, standardization and norming, and the conceptual problems in test interpretation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 and STAT 0200

PSY 1035 - DRUGS AND BEHAVIORS

Minimum Credits: 3

Maximum Credits: 3

This course examines the influence of drugs on the brain and behavior. Topics covered include: the influence of drugs on brain functioning, the use of drugs to treat psychological abnormalities (e.g. schizophrenia, depression), and theories of drug addiction.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1055 - HUMAN FACTORS IN SYSTEM DESIGN

Minimum Credits: 3

Maximum Credits: 3

Human-machine designs with special emphasis on human computer interaction. Analyzes creation and improvement of equipment and environment to be compatible with human capabilities and expectations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1056 - FORENSIC PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course will examine the unique subfield of forensic psychology that addresses the interface between psychologists and the legal system. Specifically, the course and its namesake generally refers to the assessment and treatment of psychological disorders within the legal system. As such, this course will cover topics including the history and development of forensic psychology, common assessments conducted by forensic psychologists (including competency to stand trial), their assistance with courts' verdict and sentencing decisions (including not guilty but mentally ill vs. Not guilty for reason of insanity), the treatment of offenders and ex-offenders, expert testimony by forensic psychologists on psychological issues, and their role in high-stakes death penalty cases. This material will emphasize the importance of the scientist-practitioner model which advocates for the application of psychological research to most effectively assess and treat individuals involved in the legal system.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1075 - HISTORY & SYSTEMS OF PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course is designed to provide the student with an integrated view of the development of the field of psychology with emphasis on the philosophical and biological background of the nineteenth century and the systems period of the twentieth century.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1110 - PSYCHOLOGICAL ASPECTS OF HUMAN SEXUALITY

Minimum Credits: 3

Maximum Credits: 3

The course presents a social-psychological and psycho-biological orientation towards the study of human sexuality. Current research is emphasized. Topics such as sexual attitudes, hormones and behavior, changing sexual behavior, sex education, gender-role development, alternative forms of

sexual expression, and violence and sex are covered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1114 - LEGAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

Psychological theory and research has historically been relevant to legal policy and judicial decision-making. Although the legal system frequently ignored much of this research throughout the 20th century, the 21st century has seen a dramatic increase in the application of psycho-legal research within the legal system. Recognizing the burgeoning field of legal psychology, the purpose of this course is to illuminate the interaction between psychology and the legal system. Due to legal psychology's emphasis of integrating research with practice, this course covers a myriad of psychological research areas that have a direct bearing on the legal system, including: eyewitness testimony and identification, profiling, interrogations and confessions, jury selection, jury decision-making, competency to stand trial, investigative interviewing, sexual harassment, and punishment.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

PSY 1130 - SPECIAL TOPICS ON PSYCHOLOGY OF GENDER

Minimum Credits: 3

Maximum Credits: 3

An advanced course which deals with psychological research relating to women and power. Topics covered include physical power, nonverbal perpetuation of power differences, power motivation, social power, power dynamics in the family and political power. Each semester the course has a different focus.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1205 - ABNORMAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course provides an overview of the major issues in the area of mental illness. This course emphasizes the scientific approach to understanding the major psychological and behavioral disorders. The research and clinical literatures regarding the etiology, course and treatment of these disorders will be presented.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1210 - INTRODUCTION TO CLINICAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course is directed toward the student seriously interested in the major issues pertaining to clinical psychology. The course provides an overview of the major therapeutic approaches and incorporates other germane issues such as history of the field, assessment issues, interviewing approaches, community psychology, behavioral medicine, and clinical research and methodology. Present therapeutic approaches are placed in the context of an evolving discipline, anchored in an empirical-scientific approach to the subject matter.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

PSY 1211 - CLINICAL PSYCHOLOGY WITH LAB

Minimum Credits: 4

Maximum Credits: 4

This laboratory course provides theoretical background and direct experience in practicing various clinical skills, such as building a relationship with a client, conducting therapeutic interventions, interviewing, and administering, scoring, and interpreting psychological measurements. The course also explores case conceptualization (addressing factors underlying mental health problems) and ethical issues in clinical and counseling psychology. The application of these skills and concepts are applied to such subfields as marriage and family counseling, drug counseling, group interventions, child psychology, and the prevention of mental health problems. Finally, clinical tasks such as consultation, program development, and program evaluation are explored.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Psy 0010 and Psy 1205

PSY 1215 - HEALTH PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course provides an introduction to the major questions and methods which have guided the research in health psychology. This field examines the role of psychological and social factors in the development and progression of medical disease. Three main topics are covered: (1) conceptual underpinnings of health psychology, (2) psychosocial factors and specific diseases, and (3) evaluating behavioral medicine interventions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 and one other PSY course

PSY 1225 - PSYCHOLOGY OF EMOTION

Minimum Credits: 3

Maximum Credits: 3

This is an advanced course covering contemporary issues in the study of emotion. Topics considered include expressive, cognitive, biological and social aspects of emotion and the role of emotion in psychopathology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1270 - CHILD PSYCHOPATHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course considers research and theory which bear on the development of psychological disorders in children. Biological and environmental factors which contribute to childhood disorders are considered with special emphasis on the role of the family. Childhood psychosis, hyperactivity, and depression are studied to illustrate theoretical models and empirical findings.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1325 - DEVELOPMENTAL PSYCHOLOGY: SOCIAL DEVELOPMENT

Minimum Credits: 3

Maximum Credits: 3

This course is an introductory survey of methods, theories, and research on the personality and social development of humans from infancy through early adolescence in the United States. This course examines individual development: how people come to be who they are, and how change and continuity work together over time. First comes an investigation of starting points in development. We will study the infant's first social relationship, and we will try to understand the connection between early temperament and mature personality. Basic concepts of developmental theory will also be introduced. Next we examine how children function within increasingly complex and varied social environments such as families, peer groups, and educational settings. Topics covered include self-development, sex differences and gender role development, achievement motivation, prosocial behavior/altruism, moral development, and antisocial behavior. This upper level course is designed for psychology majors. The course may be of interest to other advanced undergraduate students who are interested in psychology, child and adolescent development, education, and related disciplines.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1330 - DVLPMNTL PSYCH: COGNITV DEVELP

Minimum Credits: 3

Maximum Credits: 3

This course covers major areas of cognitive and intellectual development with an emphasis on learning and memory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1355 - ADOLESCENCE

Minimum Credits: 3

Maximum Credits: 3

The period of adolescence will first be studied from both a psychological and sociological perspective. Focus is on the individual as he/she experiences physical, cognitive, and social changes. Contributions of such theorists as Freud, Erikson, and Piaget are highlighted. A number of critical issues and conflicts of adolescence are discussed i.e. the generation gap, sex roles and behaviors, juvenile delinquency.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1370 - FAMILY PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

The course provides an overview of families, relationships, and marriage and its variations. Evolving perspectives on the family are considered, as are challenges and opportunities facing contemporary families. Specific topics include sexuality, gender, love, reproduction, parenting, work, uncoupling, and remarriage.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1407 - COUNSELING PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

Various theories and practices of counseling and psychotherapy, including psychoanalytic therapy, person-centered therapy, gestalt therapy, behavior therapy, and rational emotive therapy. Communication skills and ethical issues are addressed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1435 - BEHAVIOR CONTROL IN SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course provides an overview of the scientific principles used in behavior management and examines some of the uses of behavior management in various work settings, other institutional settings, in governmental control and in open society. The relation of the uses of behavior control procedures to ethics, social planning, and individual freedom are explored. Behavior analysis serves as the basis for examining traditional management of people as it is found in a variety of social situations without the intervention of experts in behavior management.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1445 - BIOLOGICAL FOUNDATIONS OF BEHAVIOR

Minimum Credits: 3

Maximum Credits: 3

This course provides an introduction to animal behavior. It surveys fundamental concepts such as evolution, genetics, adaptation, and learning as well as research methods used to understand animal behavior. Primate species are emphasized.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: Psy 0010; Sophomore

PSY 1460 - MEMORY AND MEMORIZATION

Minimum Credits: 3

Maximum Credits: 3

Why is it that some things seem so easy to learn and others seem so difficult? Is it possible to train memory? What changes in the brain when we learn and remember? In this class you will explore various methods of learning to gain an understanding of the complexities of human memory. You will work on training your memory and determine how much your memory can improve, and how much those improvements generalize from one form of memory to the next. Along the way, you will learn about the major theories of memory and identify which learning techniques result in the best memory performance. You will also gain knowledge about the neural bases of learning and memory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1475 - APPLIED BEHAVIOR ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

This course examines the extension of basic behavioral research to problems of social significance. Among the topics covered are the concepts and terminology of behavior analysis, ethical considerations, and techniques for the collection and display of behavioral data, functional assessment of problem behavior, and the use of behavioral treatments to reduce problem behaviors and promote appropriate behaviors. Also surveyed are areas in which applied behavior analysis has been particularly successful, including autism, self-injurious behaviors, feeding disorders, and developmental

disabilities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1485 - ADVANCED BEHAVIOR ANALYSIS

Minimum Credits: 3

Maximum Credits: 3

This course is an upper-level class in behavior analysis that expands on the learning principles and their applications covered in the prerequisite classes. Students will be exposed to methods of behavioral assessment, strategies for selecting intervention outcomes, behavior change procedures, systems supports, and the Behavior Analysis Certification Board's (BACB's) guidelines for responsible conduct.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010, PSY 0402, PSY 1475

PSY 1495 - ADVANCED BEHAVIOR ANALYSIS 2

Minimum Credits: 3

Maximum Credits: 3

This course is a continuation of PSY 1485 (advanced behavior analysis), and addresses a variety of behavior principles including stimulus control, generalization, motivating operations, verbal behavior, conditioned reinforcement, and self-control. The behavior principles are examined theoretically and in terms of their applicability to clinically-relevant problem behaviors, teaching new skills, instructional design, and industry. Particular attention is paid to selecting and implementing behavior-change techniques.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010, PSY 402, PSY 1475, PSY 1485

PSY 1525 - NEUROPSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course examines the relationship between psychological and brain processes. Topics covered include: 1) environmental and genetic influences on the brain and psychological processes, 2) brain organization, development, and plasticity, and 3) the neural correlates of sensations, perceptions, thoughts, memories, stress, dreams, emotions, and motivations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1535 - SENSATION AND PERCEPTION

Minimum Credits: 3

Maximum Credits: 3

This course examines the nature of the mechanisms that transform sensory input into our perceptual experience of the world. Topics include: structure and function of sensory system, perception of color, object, motion, etc. Both information-processing and ecological approaches to the study of perception are considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 or BIOSC 0170

PSY 1570 - HISTORY AND SYSTEMS OF PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

Designed as an interdisciplinary examination of the evolution of the field of psychology. Time is spent on obtaining a solid understanding of the philosophical underpinnings of the discipline of psychology. From the early Greek philosophers on the early emerging discipline of psychology is examined by tracing the development and historical lineage of different schools of thought up to the modern era. Emphasis is on the relationship of psychology to the fields of history and philosophy, and how schools of thought fit into empiricist and rationalist traditions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

Course Requirements: PREQ: PSY 0010

PSY 1620 - CONSUMER PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course examines the psychological factors that influence the way consumers select products and services. Ways to influence buying patterns are examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1635 - ORGANIZATIONAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course will provide broad exposure to the field of industrial/organizational psychology. Course topics will include (but are not limited to) personnel selection, training, worker motivation, job attitudes, performance appraisal, leadership, and career development. The class format will include multiple hands-on assignments to assist the student in understanding how psychological theories can be applied in a work context. Grades will also be derived from performance on formal tests.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

PSY 1640 - PHILOSOPHY OF PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This advanced undergraduate course covers such topics as mind-body reductionism, behaviorism, functionalism, cognitivism, and the relation of artificial intelligence research to Psychological Theory.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: One PHIL or one PSY course

PSY 1720 - PSYCHOLOGICAL STUDY OF TRAUMA

Minimum Credits: 3

Maximum Credits: 3

An advanced course that addresses the importance of both single-blow and chronic forms of trauma, neglect and abuse in mental disorders and adjustment. The class provides an in-depth exploration of current theory and research on trauma; explores controversies or debates in the field surrounding diagnosis and treatment, memory, and selfhood; and encourages exposure to original research and writing in the professional literature. The holocaust is examined as an important example of trauma, remembrance, and healing.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0010 and one other PSY course

PSY 1902 - DIRECTED INDIVIDUAL READING

Minimum Credits: 1

Maximum Credits: 3

Under special circumstances, psychology majors can design an individual reading course with a member of the department and in consultation with the graduate advisor.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PSY 1903 - DIRECTED INDIVIDUAL RESEARCH

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation in individual experimental research supervised by a member of the department faculty. This course is particularly valuable for students interested in graduate study in psychology.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: Satisfactory/No Credit

PSY 1910 - SUPERVISED FIELD PLACEMENT

Minimum Credits: 3

Maximum Credits: 3

Field placement experience in psychology.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

Course Requirements: PREQ: PSY 1205; LVL: junior; and permission of instructor

PSY 1911 - SUPERVISED FIELD PLACEMENT IN BEHAVIOR ANALYSIS

Minimum Credits: 1

Maximum Credits: 6

The purpose of this course is to provide students with hands-on experience in behavior analysis and to satisfy, in part, the requirements for the supervised independent fieldwork as outlined by the Behavior Analyst Certification Board (BACB). Students will gain experience collecting data, defining target behavior, conducting functional behavior assessments, identifying and selecting reinforcers, designing acceleration and deceleration procedures, creating and implementing treatment plans, and training staff and parents.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit
Course Requirements: PREQ: PSY 0402, PSY 1475

PSY 1912 - DIRECTED INDIVIDUAL READING

Minimum Credits: 1

Maximum Credits: 3

Under special circumstances, psychology majors can design an individual reading course with a member of the department and in consultation with the graduate advisor.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PSY 1913 - DIRECTED INDIVIDUAL RESEARCH

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation in individual experimental research supervised by a member of the department faculty.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

PSY 1920 - RESEARCH PRACTICUM

Minimum Credits: 3

Maximum Credits: 3

Students work on research projects or the analysis of data, acquiring advanced training or practice with literature searching and review procedures, data entry, statistical analysis, article preparation, article submission, etc.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

PSY 1925 - SENIOR THESIS

Minimum Credits: 3

Maximum Credits: 3

This course is intended as a capstone offering for all psychology majors, and is designed to give students practice in advanced skills useful for developing a final integrative psychology project. Students will develop competence in each of the following core areas: conducting literature searches on the internet, critically reading journal or research articles, and conducting simple computer data analysis. They will then use these skills and their general training in psychology to develop a final individual or group project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: PSY 0402 or 0330 and 0032; LVL: Senior

PSY 1970 - UNDERGRADUATE TEACHING ASSISTANT EXPERIENCE

Minimum Credits: 1

Maximum Credits: 3

This course involves student participation as an undergraduate teaching assistant (UTA) for a psychology course under the supervision of a faculty member.

Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: Satisfactory/No Credit

PSY 1972 - TEACHING OF PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course is open only to psychology majors and is required of all undergraduate students fulfilling the departmental teaching practicum requirement.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: LG/SNC Elective Basis

PSYED 1001 - INTRO EDUCATIONAL PSYCHOLOGY

Minimum Credits: 3

Maximum Credits: 3

A survey of current problems in education which psychological theory and research can address. Topics include developmental approaches to teaching, educational applications of learning theory, classroom management, and testing strategies for teachers.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: Letter Grade

RELGST 0105 - RELIGIONS OF THE WEST

Minimum Credits: 3

Maximum Credits: 3

This course is a historical introduction to the religious traditions that developed in ancient Near East and the Mediterranean. Our major emphasis is on the history of the religious traditions that emerged in late antiquity in this area and which continue to be major world religions: Judaism, Christianity, and Islam. We will also touch on Zoroastrianism. We focus on key concepts, historical developments, and contemporary issues. Throughout the course, we also examine interactions among these religious traditions. In the last part of the course we examine the issue of globalization and the spread of these religions around the world as well as the presence of "non-Western" religion in the "West." The course also serves as an introduction to the academic study of religion and provides a foundation for further coursework in Judaism, Christianity, and Islam. No prior knowledge of any of the religions studied is expected or assumed.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 0405 - WITCHES TO WALDEN POND

Minimum Credits: 3

Maximum Credits: 3

Why did the prosecution of witches become a priority for the Puritan rulers of New England? What religious ideals convinced Henry David Thoreau to lead a life 'off the grid' in Walden Pond? How did non-Protestant immigrants make their way in the new nation? And how did religious rhetoric undergird the debates over slavery that led to the civil war? These are some of the questions that we will explore in this course, which traces the religious history of the United States from the era of colonization to through the Civil War.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 0455 - INTRODUCTION TO ISLAMIC CIVILIZATION

Minimum Credits: 3

Maximum Credits: 3

This course aims to introduce students to Islamic and Middle Eastern History from the time of the Prophet (ca. 600 C.E.) to the Iranian Revolution in 1979. We will proceed chronologically, focusing mainly on political events. However, a special emphasis will be given to the formation of the Islamic tradition, its evolution across different regions and cultures in time, and its interaction with other traditions. In the modern era, we will particularly explore the Islamic societies' political, cultural, and military encounter with the rising power of the West in the Middle East. In addition to the several historical processes and developments such as modernization, nation-building, Islamic fundamentalism and globalization, which have shaped the history of the Middle East in the last two centuries, our class discussions will also touch on the main theoretical perspectives that have stamped the studies of Islam and the Middle East. Here, concepts such as orientalism, defensive development, and modernity will constitute our main focus.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 0505 - RELIGION IN ASIA

Minimum Credits: 3

Maximum Credits: 3

This course serves as an introduction to the major religious traditions of South and East Asia. During the course of the semester, we encounter Hinduism and Jainism, the native Confucian, Daoist (Taoist), and popular traditions of China, and the Shinto, folk and new religions of Japan. Buddhism, which originated in India but later spread to East Asia, is examined in its relation to the history of both Chinese and Japanese religions. We approach these traditions through lectures and discussion based on Chinese classical and popular literature, secondary scholarship, and films, which inform us about cultural and historical context, beliefs, practices, and personal experience. In the process we expect to learn something about the ways in which non-Western religious traditions see themselves and their world on their own terms, and to see how/if they can complement our own worldviews.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 1015 - ANCIENT & MEDIEVAL CHURCH HIST

Minimum Credits: 3

Maximum Credits: 3

A survey of the background and development of the Christian church from sub-apostolic times through the beginnings of the Protestant Reformation. Major developments in the life and thought of the church will be addressed through key persons and events.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 1120 - ORIGINS OF CHRISTIANITY

Minimum Credits: 3

Maximum Credits: 3

This course presents a historical-critical investigation of Christian origins. Special attention is paid to varieties of 1st century Hellenistic and Palestinian Judaism within the Greco-Roman world. Primary readings include selected Biblical passages and apocrypha, 1st century historians and philosophers (Josephus, Tacitus, Suetonius, and Philo), the New Testament corpus (including Paul and the Pastorals), and selected readings from the Dead Sea Scrolls. In addition there will be assignments from various modern New Testament critics, historians, and theologians.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 1460 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

Detailed analysis of a particular topic not covered by regularly scheduled courses.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

RELGST 1500 - RELIGION IN INDIA 1

Minimum Credits: 3

Maximum Credits: 3

Few countries can boast such an extensive and diverse religious heritage as can India. It is the birthplace of Hinduism, Buddhism, Jainism, and Sikhism, home to a large Muslim community, as well as to small, but ancient, communities of Syrian Christians, Parsis, and Jews. The course gives a brief historical overview of these religious traditions, introduces students to basic concepts related to each of them, and illustrates their rich practices through primary and secondary readings, films, art, and music.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

RELGST 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 4

A variety of individual reading and research projects may be undertaken by students under the close supervision of a senior faculty member.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

RELGST 1902 - DIRECTED STUDY-UNDERGRADUATE

Minimum Credits: 1

Maximum Credits: 4

Students may undertake a variety of individual reading or research projects under the close supervision of a senior faculty member. Regular meetings are required.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SETHL 0101 - SETON HILL

Minimum Credits: 1

Maximum Credits: 6

Cross-registration with Seton Hill University.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SETHL 0102 - SETON HILL

Minimum Credits: 1

Maximum Credits: 6

Cross-registration with Seton Hill University.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOCSCI 0105 - INTRODUCTION TO PUBLIC POLICY

Minimum Credits: 3

Maximum Credits: 3

The course introduces students to the fundamentals of public policy analysis, with a focus on the United States. Students will be exposed to the process of public policy development, analysis, and implementation. They will learn the tools used in public policy analysis, why governments and citizens make certain choices, as well as how to choose among policy alternatives.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOCSCI 0200 - RESEARCH METHODS IN THE SOCIAL SCIENCES: SMOKE AND MIRRORS-EVALUATING INFORMATION

Minimum Credits: 3

Maximum Credits: 3

This course is designed for majors in AI, communication, political science, economics, sociology and anthropology. The course will familiarize students with basic empirical research methods and statistics typically used in the social sciences. The focus will be on learning how to evaluate existing research and reports and how to conduct and write research projects for the capstone courses.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

SOCSCI 0300 - VILLAGE SEMINAR IN THE SOCIAL SCIENCES

Minimum Credits: 3

Maximum Credits: 3

The village seminar is a special topics course designed to give members in one of the academic villages an opportunity to take a course that provides an interdisciplinary perspective on a contemporary issue. The seminar will be team-taught by faculty from different disciplines with expertise on the current topic.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

SOCSCI 1031 - DIGITAL STUDIES

Minimum Credits: 3

Maximum Credits: 3

This course emphasizes practical experience with digital resources and methods in the social sciences. Students will develop skills in evaluating and using existing digital sources, become familiar with a variety of software and internet technologies, gain experience in creating digital archives and databases, and learn about methods for exploring and organizing results from digital sources.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: LVL: Sophomore

SOCSCI 1040 - PROGRAM EVALUATION

Minimum Credits: 3

Maximum Credits: 3

This course will provide students with knowledge and skills necessary to perform program evaluation. Students will be introduced to the logic of scientific inquiry, the features and purpose of experimental design, and the concepts and limitations of measurement. In addition, students will perform data measure development and collection and basic data management, conduct descriptive data analyses, and communicate results orally and in writing. This will occur within the context of participating in an ongoing program evaluation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOCSCI 1051 - DIGITAL HUMANITIES: CODING AND DATA VISUALIZATION

Minimum Credits: 3

Maximum Credits: 3

This course involves preparing electronic texts for public access with systematic markup language, such as XML, with emphasis on data extraction and visual analysis of literary and historical texts; creating bar, line, and network graphs, and geographic and image mapping. (The emphasis in this alternative course is less on creating digital editions of texts and more on data extraction and visualization from digital texts prepared as information databases.)

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: Sophomore

SOCSCI 1900 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 6

Internship in the field of social sciences.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: Satisfactory/No Credit

SOCSCI 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 6

Course content to be decided between the professor and the student.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SOCSCI 1955 - SOCIAL SCIENCES CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Senior project or capstone course in the social sciences.

Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Requirements: LVL: SENIOR

SOC 0003 - TECHNOLOGY AND SOCIAL CHANGE

Minimum Credits: 3

Maximum Credits: 3

To acquaint the student with major sociological concepts, approaches and theories that are applicable to the analysis of the interaction between technology and society. The discussions are organized around three issues; 1. The effects of technology upon various aspects of the social structure and functioning, 2. The social conditions which lead to innovations and the diffusion of innovations throughout society, and 3. Technology assessment and environmental impact statement processes as they bear on current national decisions bearing on technology/society interfaces.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0007 - SOCIAL PROBLEMS

Minimum Credits: 3

Maximum Credits: 3

The major aims of this course are to understand the nature of important social problems in American society and analyze their causes and consequences. The two competing perspectives, one, that social problems are created when individuals fail to conform to societal norms, and two, that social problems are caused when institutions fail to meet changing needs and aspirations of individuals will be used in our analysis. Future trends and policy alternatives toward amelioration will be examined.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0009 - AMERICAN SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course is designed around an examination of the country's traditional goals and ideals. We will explore those national purposes through the writings of major American figures and discuss whether or not the country has fulfilled those purposes. The course also explores the ways that America's diverse groups and social classes relate to each other.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0010 - INTRODUCTION TO SOCIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course introduces the student to the discipline of sociology, its development, theories, major findings, and to the sociological interpretation of modern society. Emphasis will be given to the importance of careful empirical investigation for the understanding of recent social and cultural changes. Students should be prepared to encounter basic issues in sociological method and in theory; an inclination toward systematic and abstract reasoning will help.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0020 - CRIME, LAW, AND PUBLIC POLICY

Minimum Credits: 3

Maximum Credits: 3

An introduction to crime, criminal law, the administration of justice process, and public policy as it pertains to crime and justice. Subject matter includes an introduction to the study of crime, a description of the sources, purpose, and application of the criminal law, and an examination of the interplay of politics, the problem of crime, and the implementation of public policies.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0124 - SPECIAL TOPICS

Minimum Credits: 3

Maximum Credits: 3

Special topics in sociology.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0145 - DRUGS AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course examines the social implications of the use and abuse of psychoactive substances. Drawing on sociological, psychological, historical, and pharmacological research, questions about individual motivations and consequences, social problems, political and economic issues, and public policy will be explored. The primary focus will be on the United States, but the larger global context will also be considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0150 - SOCIAL THEORY

Minimum Credits: 3

Maximum Credits: 3

The aim of this course is to provide a survey of major developments in sociological theory in recent times. The classic background for these developments is included as part of the course. Lectures, readings and discussions help the student to acquire a grasp of the significance of theoretical analysis in sociology and of basic sociological problems addressed by a variety of theorists.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0335 - SOCIOLOGY OF POLITICS

Minimum Credits: 3

Maximum Credits: 3

This course examines the relationship between political institutions and the institutions of the economy, family, education, religion, and stratification. With a major focus on American society and the conditions underlying stable democracy, these relationships are studied in historical and cross-societal comparative perspective as well as in terms of a society's location in the system of international relations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0339 - SOCIOLOGY OF RELIGION

Minimum Credits: 3

Maximum Credits: 3

This course will compare and contrast major classical and modern sociological theories of religion, including discussion of the renewed focus on religion in mainstream, general theory. Attention will be narrowed to a focus on relation between religions, states and individuals in comparative and historical perspective.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0352 - SOCIAL MOVEMENTS

Minimum Credits: 3

Maximum Credits: 3

This course offers ideological, structural, and functional treatment of dominant American movements for social and cultural change in our contemporary world.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0431 - BUREAUCRACIES

Minimum Credits: 3

Maximum Credits: 3

This course examines bureaucratic organizations of all types (industrial, commercial, governmental, religious, educational, social welfare, etc.) giving special attention to decision-making. People make decisions according to bureaucratic rules, in problem-solving groups, and in interest groups which seek to win advantages for themselves and their members. Decisions and other organizational acts will be studied sociologically.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0432 - WEALTH AND POWER

Minimum Credits: 3

Maximum Credits: 3

The interdependence of these two key sociological concepts is discussed in the context of American society. The role of the multi-national corporation as the most important institution in capitalist societies is examined. The pervasive power of some is contrasted with the generalized powerlessness of the majority.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0433 - SOCIAL INEQUALITY

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to provide the student with an introduction to the sociological study of social inequality in the United States. Course topics will include the causes and consequences of inequality in society, the universal and variable nature of institutionalized inequality, and understanding how social, demographic, economic, political, and historical forces impact the everyday lives of Americans. Further, the student will

be provided with the opportunity to analyze and discuss the impact of public policy on issues that pertain to social inequality.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0434 - POLITICAL SOCIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course examines the relationship between political institutions and the institutions of the economy, family, education, religion, and stratification. With a major focus on American society and the conditions underlying stable democracy, these relationships are studied in historical and cross-societal comparative perspective as well as in terms of a society's location in the system of international relations.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0438 - SOCIOLOGY OF THE FAMILY

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to the sociological perspective on the family and analyzes how the structure and nature of family life are shaped by larger historical and social forces. We will look at how changes in the economy and technology affect the family; how ideas concerning gender roles affect male/female relationships and the socialization of children; how race, ethnicity, and class shape family life; and the wide variety of family forms, historical and contemporary.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0455 - DIVERSITY IN AMERICA

Minimum Credits: 3

Maximum Credits: 3

This course will introduce students to the concept of culture, allowing them to see how one's culture affects and is affected by living in the United States. The first third of the class will focus on what culture is and allow students to explore their own culture in depth (including assumptions, language use, and world views). The second part of the class will explore the complexities of various cultural groups living in the United States; guest speakers, writings, and videos will be used to study these cultures. The last part of the class will focus on how the cultures and language use affects and are affected by various social institutions, especially schools.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0460 - MINORITY GROUPS

Minimum Credits: 3

Maximum Credits: 3

This is a course presenting the central sociological interpretations of majority/minority relations. The course begins with a consideration of minorities around the world. With world minorities as a frame of reference, the course turns to the United States and its special opportunities and problems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0471 - DEVIANCE AND SOCIAL CONTROL

Minimum Credits: 3

Maximum Credits: 3

This course raises questions about what is "deviant" and how certain actions and beliefs come to be considered deviant. It also raises questions concerning the social, structural and cultural determinants of the decision to view something as "deviant" and in need of "control". The course explores changes in the definition of behavior which lead the same behaviors to be considered 'sins', 'crimes', 'illnesses', and 'alternative life-styles'.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0474 - SOCIETY AND THE LAW

Minimum Credits: 3

Maximum Credits: 3

Every society regulates behavior and the means, i.e. Either informal or formal, with which this is done varies according to level of social development. This course examines the regulation of behavior in primitive, transitional, and modern societies and traces the development of law and legal systems and their relationship to different characteristics of social development. We will examine legal jurisprudence and the application of the principles of these philosophies and explore how they have shaped legal action.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0475 - SOCIOLOGY OF AGING

Minimum Credits: 3

Maximum Credits: 3

This course studies the fate of being old in American society in terms of income-adequacy, participation in political life, family relations, the status of retirement as an institution, health, the loss of independence and life in nursing homes. These and related issues are examined in cross-national perspective to assess the level and some nationally distinctive ways in which modern society cares for its elderly.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0477 - MEDICAL SOCIOLOGY

Minimum Credits: 3

Maximum Credits: 3

This is a course on socio-cultural aspects of health, illness, disease and (medical) treatment in American society. The historical transformation of American medicine into a powerful sovereign profession with unparalleled authority, autonomy and control over all aspects of health and illness will be examined. On the basis of this historical survey, recent empirical studies of distribution of health, disease and medical care will be examined as well as specific substantive issues and contemporary debates.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 0490 - MASS MEDIA

Minimum Credits: 3

Maximum Credits: 3

This course deals with the many faceted roles of mass media in our society and explains how and why the media have achieved their present prominence and influence on our lives.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

SOC 1050 - COMPARATIVE CRIMINOLOGY

Minimum Credits: 3

Maximum Credits: 3

This course introduces students to a global, comparative approach to the study of common law and civil law criminal justice systems and their respective legal traditions (Westernized, Islamic, ancient, socialist, public, private, constitutional, etc.). The course surveys global criminal issues such as the spread of transnational crimes like human, weapon and drug trafficking, terrorism, corporate fraud, war crimes violations and global organized crime. The course examines the organic criminal justice problems various nations face (politically, economically, religiously, socially, historically and geographically) in processing crime, as well as how these same nations respond differentially to problems shared around the globe.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 1148 - DELINQUENCY AND JUVENILE JUSTICE

Minimum Credits: 3

Maximum Credits: 3

The purpose of this course is to understand the nature of juvenile delinquency and the treatment of juveniles within the juvenile justice system. The course defines the term, juvenile delinquency, provides overview of theories of delinquency, as well as risk factors for delinquent behavior. It traces the history of the juvenile justice system and provides an overview of the various dispositions for adjudicated youth. Critical supreme court cases, involving juvenile offenders are also considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: CJ 0002 or SOC 0020

SOC 1270 - MUSIC, CULTURE AND TECHNOLOGY

Minimum Credits: 3

Maximum Credits: 3

Students will engage with major social, historical, and cultural issues affecting music technology in the West from the phonograph in the 19th century to the iPhone in the 21st.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: LVL: SOPHOMORE

SOC 1396 - MUSIC IN SOCIETY

Minimum Credits: 3

Maximum Credits: 3

"Music in Society" is a multi-perspective humanities study of musical activity in the United States. It draws on techniques and perspectives of historical studies, ethnology, music business, and professional concerns to develop a cultural and historical understanding of music in American life. The course focuses on the types of organizations and environments in which music occurs, and the function of the music in the lives of the participants.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: LVL: Sophomore

SOC 1414 - SPECIAL TOPICS

Minimum Credits: 1

Maximum Credits: 3

Current topics of particular sociological interest. Topics covered vary with instructor and term.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SOC 1518 - WHITE COLLAR CRIME

Minimum Credits: 3

Maximum Credits: 3

This class examines the meaning, varieties, and extent of white collar crime in America. The course investigates the developmental history of this concept, theories of white collar crime causation, specific types of white collar crime empirical and theoretical controversies surrounding white collar crime, and the probable future directions for this type of criminal behavior.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SOC 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

The student undertakes, under specific conditions, an independent program of study, research, or creative activity usually off-campus and with less immediate and frequent guidance from the sponsoring faculty member than is typically provided in directed reading and directed research courses.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

SOC 1910 - TEACHING OF SOCIOLOGY

Minimum Credits: 1

Maximum Credits: 3

Teaching assistantship opportunities in sociology.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SPAN 0001 - ELEMENTARY SPANISH 1

Minimum Credits: 5

Maximum Credits: 5

This course is designed to develop the student's communicative proficiency through an integrated approach to the teaching of all four language skills: listening, speaking, reading and writing. Grammatical structures; vocabulary and readings are presented as tools for developing good communication skills. The course also aims to foster cultural awareness of the Spanish-speaking world.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 0002 - ELEMENTARY SPANISH 2

Minimum Credits: 5

Maximum Credits: 5

A continuation of Spanish 0001, the course builds on the skills acquired in the first term as students continue to develop their communicative language skills in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0001 or 0111

SPAN 0003 - INTERMEDIATE SPANISH 3

Minimum Credits: 3

Maximum Credits: 3

This course builds on the skills acquired during the elementary sequence (either Spanish 0001 and 0002 or Spanish 0015). It includes a functional review of the basic language structures and introduces even more complex structures. The course has a strong cultural component.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0002 or SPAN 0042 or SPAN 0043

SPAN 0004 - INTERMEDIATE SPANISH 4

Minimum Credits: 3

Maximum Credits: 3

A continuation of Spanish 0003. Students continue to refine their language abilities and enhance their communicative competence. The course has a strong cultural component.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0003 or equivalent

SPAN 0007 - ELEMENTARY SPANISH FOR READING

Minimum Credits: 3

Maximum Credits: 3

This is an introductory, independent course, primarily for graduate students who need to quickly acquire the basic vocabulary and grammar of written Spanish. Tapes are available for those who wish to practice the oral skills. Students begin to read increasingly more demanding passages.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 0020 - CONVERSATION

Minimum Credits: 3

Maximum Credits: 3

The goal of this fifth-semester course is to enhance fluency and the development of oral proficiency in Spanish. Although the emphasis is on

speaking and listening skills, reading and writing assignments are an important part of the syllabus. This course helps students to improve their fluency, pronunciation, and strategic competence such as paraphrasing skills, and increases their vocabulary through readings, films, digital recordings and other authentic materials.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0004 or equivalent

SPAN 0021 - UPG EXCHANGE: CONVERSATION

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the university of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0020

SPAN 0025 - GRAMMAR AND COMPOSITION

Minimum Credits: 3

Maximum Credits: 3

This course reviews Spanish grammar, and, in addition, is designed to aid the students in vocabulary building, improving their knowledge of idiomatic usage, and their ability to translate from English to Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0004 or equivalent

SPAN 0041 - ELEMENTARY SPANISH 1

Minimum Credits: 3

Maximum Credits: 3

First of three courses designed to develop skills in speaking, listening, reading and writing in Spanish. A systematic presentation of grammar will accompany language instruction. Understanding of Spanish culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 0042 - ELEMENTARY SPANISH 2

Minimum Credits: 3

Maximum Credits: 3

Second of three courses designed to develop skills in speaking, listening, reading and writing in Spanish. A systematic presentation of grammar will accompany language instruction. Understanding of Spanish culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0041

SPAN 0043 - ELEMENTARY SPANISH 3

Minimum Credits: 3

Maximum Credits: 3

Third of three courses designed to develop skills in speaking, listening, reading and writing in Spanish. A systematic presentation of grammar will accompany language instruction. Understanding of Spanish culture is emphasized as part of language skill.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0042 with grade of C- or better

SPAN 0050 - SPANISH CIVILIZATION

Minimum Credits: 3

Maximum Credits: 3

Span 0050 offers a comprehensive survey of Spanish history and civilization from the early prehistory period to the present. Readings and lectures are in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0020 or 0025

SPAN 0055 - INTRODUCTION HISPANIC LITERATURE 1

Minimum Credits: 3

Maximum Credits: 3

This course is designed to introduce students to the study of Spanish and Latin American literatures, while dealing with concepts and terms that can be applied to all literature.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 0070 - CERVANTES IN ENGLISH

Minimum Credits: 3

Maximum Credits: 3

Cervantes' Don Quixote is, without question, the most influential literary work written in the Spanish language. This course uses a modern English translation of cervantes, and all readings, assignments, and discussions are in English. Class sessions will situate Don Quixote in its historical and global context and identify twenty-first century instances of quixotism and neo-chivalry. Course themes explore major topics in cervantes criticism, including madness, chivalry, gender roles, class and race relations, and baroque perspective. Students will engage in close readings of the text, personal reading responses, analytic essays, and an individually defined final project. Spanish majors or minors enrolled in the course will have the option to develop a dual-language project.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1150 - INTRODUCTION TO TRANSLATION

Minimum Credits: 3

Maximum Credits: 3

This project-based course introduces students to the theory and practice of formal translation in literature, journalism, and public life. The course covers both Spanish to English and English to Spanish translation, and a significant component of the course addresses the needs of U.S. Latino

population. The course is conducted in Spanish and takes a communicative approach to translation.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0004 or SPAN 0020

SPAN 1300 - SPANISH PHONETICS AND PHONEMICS

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the study and practice of the sounds of Spanish. The overall objective of this course is to understand the sound system of Spanish as compared to English. Successful students will develop good auditory perception of Spanish and awareness of their own pronunciation, which could help to improve it.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0020 (with grade of C or better)

SPAN 1302 - ADVANCED COMPOSITION AND STYLISTICS

Minimum Credits: 3

Maximum Credits: 3

This writing course builds upon the student's knowledge of Spanish grammar and composition. In particular attention will be given to the many syntactical and lexical usages that the foreign language learner needs to incorporate in advanced writing. The teacher will help the student improve and polish his/her individual style, with some imitation of literary models.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1303 - SEMINAR IN LANGUAGE AND CULTURE

Minimum Credits: 3

Maximum Credits: 3

This course will deal in depth with various cultural and linguistic topics.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

SPAN 1306 - SPECIAL TOPICS IN APPLIED LINGUISTICS

Minimum Credits: 3

Maximum Credits: 3

The goal of this course is to further develop the oral proficiency of students through authentic materials including but not limited to interviews, movies, music, newspaper articles and role-playing. Emphasis on fluency and speaking skills, although reading and writing skills will not be ignored. We will review certain grammar points but communicative competence is not measured by grammatical competence alone. Pronunciation, comprehension skills, strategic competence such as paraphrasing skills, and an extensive active vocabulary are all equally important when it comes to becoming proficient in a foreign language. Students will often work in groups and pairs so it is imperative that they be willing to interact with one another and be tolerant of one another's opinions. The instructor will rate students' oral proficiency at the beginning and end of the semester based on the ACTFL speaking proficiency guidelines. These guidelines are used nation-wide as an assessment tool to identify an individual's level of speaking competence in a foreign language.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

SPAN 1321 - BUSINESS SPANISH 1

Minimum Credits: 3

Maximum Credits: 3

This course is designed to acquaint students with the essential forms and documents utilized in the Spanish business world.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1331 - STRUCTURE OF MODERN SPANISH

Minimum Credits: 3

Maximum Credits: 3

This course teaches the structure of the Spanish language, including components which address Spanish phonology, morphology and syntax.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SU3 Elective Basis

SPAN 1400 - SURVEY LATIN AMERICAN LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course surveys the development of Latin American literature from the Cronistas to the present. Taught in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1403 - LATIN AMERICAN NARRATIVE

Minimum Credits: 3

Maximum Credits: 3

This course deals with the development of Latin American prose narrative as it moves from 19th century realism and naturalism in the direction of modernista and vanguardista innovations, culminating in the narrative of the boom and the post-boom. Taught in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1404 - LATIN AMERICAN TOPICS

Minimum Credits: 3

Maximum Credits: 3

This course deals with literary, linguistic or cultural topics, or a combination of these. Its primary emphasis is on developing an understanding of contemporary cultures in Latin America. Taught in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0020 and SPAN 0025

SPAN 1407 - U.S. LATINO FILM

Minimum Credits: 3

Maximum Credits: 3

The major purpose of the course consists of illustrating and analyzing the role of the audiovisual media film (fiction and documentary) and video (and television, to a certain degree) for an understanding of the socio-cultural and conceptual status that Latina/o identities have acquired in today's society. Thematically, the course will focus on themes of modernity vs. tradition in U.S. Latino culture. The course uses a selection of audiovisual materials which is fairly innovative in its variety. Chicano films and videos will constitute the major part of the material.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1410 - CINEMA OF THE HISPANIC WORLD

Minimum Credits: 3

Maximum Credits: 3

Analyzes and discusses audiovisual material as a cultural tool to study sociopolitical, literary and historical topics in the Hispanic world. A diversity of films, fiction and documentary, will be presented to examine the changes of today's society and its impact in the Spanish-speaking communities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SPAN 1450 - HISPANIC LEGENDS

Minimum Credits: 3

Maximum Credits: 3

This course will provide students with an insight into the rich cultural heritage of Mexico as they explore the legends drawn from Mexico's fascinating past. The legends will reflect events from approximately 1500 years of the country's history and folklore. Readings and discussions are at the intermediate level of Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0004 or equivalent.

SPAN 1600 - SURVEY OF SPANISH LITERATURE

Minimum Credits: 3

Maximum Credits: 3

This course surveys the development of Spanish literature from the twelfth century to the present. Taught in Spanish.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: SPAN 0020 or SPAN 0025

SPAN 1805 - CONTEMPORARY HISPANIC LITERATURE AND SOCIETY

Minimum Credits: 3

Maximum Credits: 3

This course deals with contemporary Spanish and Latin American societies as revealed in short stories, novels and poetry in an effort to ascertain the cultural values and concepts of these societies. Taught in English.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

SPAN 1901 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

This course allows students to work in-depth in areas of their choice; evaluation is by examination or by the production of a term paper.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

SPAN 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 6

This course allows students to work in depth in areas of their choice, with the approval and supervision of a faculty member, who meets regularly with the student.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SPAN 1903 - METHODOLOGIES AND CLASSROOM TRAINING

Minimum Credits: 1

Maximum Credits: 2

This course will focus on basic teaching strategies for teachers. It focuses on instructional planning, classroom management, models of instruction, instructional technologies, and the interactive skills of classroom teaching.

Academic Career: Undergraduate

Course Component: Practicum

Grade Component: Satisfactory/No Credit

SPAN 1910 - DIRECTED STUDY - MEXICO

Minimum Credits: 1

Maximum Credits: 3

Special study of Mexico.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SPAN 1950 - SPANISH CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Capstone course for senior Spanish majors.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

STAT 0200 - BASIC APPLIED STATISTICS

Minimum Credits: 4

Maximum Credits: 4

This course teaches methods of descriptive and inferential statistics. Topics include data collection and description, hypothesis testing, correlation and regression the analysis of variance, and contingency tables. Students will learn how to use a statistical computer package.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

STAT 1000 - APPLIED STATISTICAL METHODS

Minimum Credits: 4

Maximum Credits: 4

This course is an intensive introduction to statistical methods. It is designed for students who want to do data analysis and to study further ideas in applied statistics beyond this course. The topics covered include descriptive statistics, elementary probability, random sampling, controlled experiments, hypothesis testing, regression and the analysis of variance. Emphasis will be placed on the statistical reasoning underlying the methods. Students will also become proficient at the use of a statistical software package.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: Enrollment not permitted if currently or previously completed STAT 0200 or STAT 1100.

STAT 1100 - STATISTICS AND PROBABILITY FOR BUSINESS MANAGEMENT

Minimum Credits: 4

Maximum Credits: 4

This is a one-term introduction to statistics and probability. Both modeling and data analysis will be emphasized. Various probability models for discrete and continuous variables will be analyzed. Inferential, descriptive and data analysis techniques will be covered with examples from management. A statistical package will be introduced and used to conduct data analyses.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: Enrollment not permitted if currently or previously completed STAT 200 or 1000.

STAT 1151 - INTRODUCTION TO PROBABILITY

Minimum Credits: 3

Maximum Credits: 3

This course presents at both a theoretical and applied level the basic probability concepts required for statistical inference. Topics include set theory and basic probability, independence and Bayes' theorem, discrete random variables and their distributions--Bernoulli, Binomial, Poisson, and geometric, continuous random variables and their distributions--uniform, exponential, gamma, beta, and normal, transformation of random variables, moment and moment generating functions, multivariate discrete distribution, marginal and conditional distribution and independent variables.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: MATH 0230

STAT 1152 - INTRODUCTION TO MATHEMATICAL STATISTICS

Minimum Credits: 3

Maximum Credits: 3

This course introduces the elementary concepts of statistical inference. Topics include functions of random variable, sampling distributions, decision criterion, estimation, hypothesis testing, regression, analysis of variance, and non-parametric methods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 1151

STAT 1221 - APPLIED REGRESSION

Minimum Credits: 3

Maximum Credits: 3

This course covers simple linear regression (one variable) and one way analysis of variance followed by more complicated regression models. More complex ANOVA models are treated if time permits. Some computer applications will usually be considered.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 0200 or STAT 1000 or STAT 1100

STAT 1251 - STATISTICAL QUALITY CONTROL

Minimum Credits: 3

Maximum Credits: 3

This course is involved with statistical methods for quality and process control. It is intended for all students who will use statistics in an industrial setting. Introductory topics include probability models and statistical estimation for quality. The main focus will be on control charts and tolerances. Acceptance sampling will also be discussed. A final but quite important topic will be Taguchi methods.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: STAT 0200 or STAT 1000 or STAT 1100

STAT 1900 - INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Under faculty supervision the student participates in a statistics project.

Academic Career: Undergraduate

Course Component: Internship

Grade Component: H/S/U Basis

STAT 1902 - DIRECTED STUDY

Minimum Credits: 1

Maximum Credits: 9

With approval from an instructor, the student will participate in a program of directed study in statistics or probability.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

STAT 1955 - UNDGR TCHNG UNDGR INTERNSHIP

Minimum Credits: 1

Maximum Credits: 3

Teaching assistantship opportunities in statistics.

Academic Career: Undergraduate

Course Component: Directed Studies

Grade Component: LG/SNC Elective Basis

SA 0050 - INTRODUCTION 2D & 3D MODELING

Minimum Credits: 3

Maximum Credits: 3

Introduces the 2D and 3D modeling software Google SketchUp. Google SketchUp has a variety of applications, including: architecture, interior design, urban planning, 3D printing, landscape architecture, game design, film design, stage set and prop design, exhibit design, and models/reconstructions of art and architectural spaces. The goals of this class are for you to learn the basics of using Google SketchUp, its various applications, and possibilities.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SA 0110 - VISUAL THINKING

Minimum Credits: 3

Maximum Credits: 3

This introductory course is a comprehensive survey of the fundamental principles of visual organization. The assignments are directed for learning to see, and to think and to express visually. The class projects involve uses of art materials with which to articulate line, shape, texture, color, and other design components. The intent is to broaden understanding of visual relationships in art and in the sources of art and design.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SA 0120 - PAINTING STUDIO 1

Minimum Credits: 3

Maximum Credits: 3

Foundation painting is an introductory course in the principle practices of painting. The course develops compositional and color awareness and basic painting techniques. This course will explore the formal and expressive aspects of painting.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SA 0130 - DRAWING STUDIO 1

Minimum Credits: 3

Maximum Credits: 3

Foundation drawing is an introductory course that instructs students in traditional drawing approaches and visual analysis through the act of drawing. Principles of perspective, composition, and methods of modeling form are explored for the development of individual skills and perception.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

SA 1220 - PAINTING STUDIO 2

Minimum Credits: 3
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

SA 1520 - DIRECTED STUDY

Minimum Credits: 1
Maximum Credits: 3
Course content to be decided between professor and student.
Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: LG/SNC Elective Basis

SA 1550 - DIRECTED STUDY-PAINTING

Minimum Credits: 3
Maximum Credits: 3
Directed study is a course for art majors to promote concentrated individual development in students who have demonstrated exceptional ability in painting.
Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: Letter Grade

THEA 0100 - THEATRE PRACTICUM: BASIC STAGECRAFT

Minimum Credits: 3
Maximum Credits: 3
The technical work on a play. Students learn backstage jobs such as the following: assistant director, stage manager, lighting, sound, props, publicity, costumes, makeup, and set construction. A student needs no theatrical experience in order to take this course.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: LG/SNC Elective Basis

THEA 0103 - THEATRE PRACTICUM: PERFORMANCE

Minimum Credits: 1
Maximum Credits: 3
Students learn how to perform in a theatrical production by developing a system for character development, line memorization, rehearsals, and all the other production systems. A student needs no theatrical experience in order to try out for a role.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: LG/SNC Elective Basis

THEA 0104 - BASIC ACTING

Minimum Credits: 3
Maximum Credits: 3
The first part of this course is devoted to theatrical games and improvisation with the second part structured around scene work. Students are introduced to beginning exercises, role analysis, and scene work.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

THEA 0110 - DRAMA ON FILM

Minimum Credits: 3

Maximum Credits: 3

This course examines the impact of theatre on film. By examining various films in the context of a particular theme or genre, students would examine and analyze the adaptations of dramatic works into film, or the use of certain themes in the creation of films.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0270 - PRINCIPLES OF LIGHTING DESIGN

Minimum Credits: 3

Maximum Credits: 3

This course is a practical introduction to the equipment, theories, and application of lighting for the stage. Through classroom and hands on work students will learn the basic concepts of using theatrical lighting and the basic qualities of light to create mood, shift focus and enhance the overall theatrical experience. Students will gain practical experience through individual projects and by doing work on theatre department productions. No previous experience is necessary.

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

THEA 0500 - UPG EXCHANGE: INTTRODUCTION TO HISPANIC DANCE

Minimum Credits: 3

Maximum Credits: 3

The study abroad office has approved the general agreement of collaboration between the university of Pittsburgh at Greensburg and the Universidad de Guanajuato in which faculty and students will be exchanged.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0725 - WOMEN IN THEATRE

Minimum Credits: 3

Maximum Credits: 3

This course examines the role of women in theater. By exploring the history of women in theatre, works by female playwrights of diverse backgrounds and the contributions of female performers, directors, critics and designers, students will analyze and examine the relationships among sexism, racism, classicism and how it plays out in the world of theatre.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0800 - INTRODUCTION TO THEATRE ARTS

Minimum Credits: 3

Maximum Credits: 3

This course serves as an introductory theatre class for non-majors, a foundational course for majors and a core course for minors. The purpose of this course is to examine and experience the practice of theatre-how it is created, what it expresses, what it communicates, and the resulting ideas and emotions. Relevant theatre concepts and terms, as well as historical and artistic contexts, will be studied. In addition to analyzing formal dramatic texts, students will develop a theatrical awareness of the world by exploring how theatre exists in everyday life.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0805 - INTRODUCTION TO THEATRE ARTS - PART 1

Minimum Credits: 3

Maximum Credits: 3

A historical survey of theatre history and dramatic literature, focusing on the period of the Greeks to the renaissance. Students will be exposed to the major theatrical traditions and conventions, theatre practitioners and dramatic texts of world theatre history.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0806 - INTRODUCTION TO THEATRE ARTS - PART 2

Minimum Credits: 3

Maximum Credits: 3

A historical survey of theatre history and dramatic literature, focusing on the period of the baroque to the modern. Students will be exposed to the major theatrical traditions and conventions, theatre practitioners, and dramatic texts of world theatre history.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0810 - INTRODUCTION TO DRAMATIC ART

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the study of dramatic texts both in their written and live forms. We will engage various approaches to script analysis in our exploration of a selective set of plays from theatre's long and enduring history. We will consider the relationships between different employments of storytelling and the historical circumstances that influenced them. Remaining always conscious of dramatic art's home on the stage, we will attend and evaluate live performances. Students will apply concepts learned in class through written and oral individual and group assignments.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0830 - INTRODUCTION TO PERFORMANCE

Minimum Credits: 3

Maximum Credits: 3

This course is designed to develop the students' awareness of the actor's process and to foster a general sense of theatre as an area of human endeavor. Students will be introduced to basic communication skills, including physical and vocal presence in front of an audience. The course will also develop an introductory level of acting skill through the use of regular warm-ups, theater games, improvisation, and simple scene study. The class will culminate in the performance of a final scene. Scenes will be selected from a diverse range of playwrights and students will examine the political, cultural and social context of each play. The course will also provide an introduction to basic theater terminology, and foster the ability to respond to and reflect on theatrical performances. Each student is required to buy a semester pass and attend university theatre productions.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis

THEA 0840 - INTRODUCTION TO THEATRE DESIGN

Minimum Credits: 3

Maximum Credits: 3

This course is an introduction to the design of scenery, costumes and lights used in theatre. Class work consists of several design projects focusing on design development, drawing and rendering, and drafting. This course will create an awareness of the role of the designer within the scope of the total collaborative process of theatre production. Students may be required to purchase a semester pass and attend university theatre productions.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 0850 - INTRODUCTION TO SHAKESPEARE

Minimum Credits: 3

Maximum Credits: 3

This course introduces the student to Shakespeare as a playwright, that is, a maker of plays for the stage. The objective of this course is to discover how they work on us as an audience. The actual work of the course is close reading of and interaction with the plays, observation and analysis of film and theatrical treatments of Shakespeare's work, as well as examining the cultural and historical context in which these plays were written and have been subsequently produced.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 1102 - ACTING 1

Minimum Credits: 3

Maximum Credits: 3

This course is designed to build foundational acting skills using Stanislavski-based exercises such as those devised by Sanford Meisner, Stella Adler and/or Uta Hagen. These exercises aim to develop the actor's ability to listen and respond truthfully in the moment, be present and connect, work with spontaneity, build concentration, and incite the imagination. Students will learn to craft behavior by working on contemporary text and engaging in improvisational exercises with partners as well as a series of solo projects. Students will also explore given circumstances and actions/objectives while working on audition techniques with a monologue. Students will then apply textual analysis skills and build rehearsal technique by bringing him/her-self to life in a role in a scene. This course is a building block and prerequisite for other performance courses in the theatre department. Students interested in the Theater major or minor or who have theatre experience are encouraged to audition into this course (in lieu of Introduction to Performance).

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 1103 - ACTING 2

Minimum Credits: 3

Maximum Credits: 3

Acting II builds on the work of Acting I with a deeper exploration of Realism and Naturalism on stage through textual analysis, scene study, physical exercises, research and performance. The material in the course focuses on works of European and American playwrights who may include Anton Chekhov, Rachel Crothers, Henrik Ibsen, Lillian Hellman, August Strindberg, Susan Glaspell, Gerhart Hauptmann, Elsa Berstein (aka Ernst Rosmer), Nikolai Gogol, etc. Theoretical work would be complementary, based on the tradition of practitioners like Constantin Stanislavski, Richard Boleslavsky, Stella Adler and Lee Strasberg, deepening a student's understanding of psychological realism.

Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: THEA 0104

THEA 1115 - DIRECTING ON THE STAGE

Minimum Credits: 3

Maximum Credits: 3

Through scenes and working with actors, students will learn about the overall responsibility of the director. How to bring unity to a production by coordinating the efforts of contributing artists. We will learn about artistic vision, different director's theories, styles and discover the choices that are made and changed throughout the rehearsal process. Their final work will be open to the public at the end of the semester.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 1360 - THEATRE CRITICISM

Minimum Credits: 3

Maximum Credits: 3

A practical course in the craft of theatre criticism. The class attends local theatrical productions and writes weekly reviews. Course is designed to develop skills in interpretation of the theatrical art, in understanding of how the play operates in the theatre, and in creative writing. Each student receives individual attention to interpretation problems.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 1365 - PLAYWRITING 1

Minimum Credits: 3

Maximum Credits: 3

This is a beginning course in the craft of playwriting. Students will read eight outside plays, will write seven scripts--the last of which is a one-act--and will critique, read aloud, and discuss the work of others in the class. Seminar/workshop style. Attendance is mandatory. Recommended: two courses from among the following three areas performance, dramatic literature, creative writing.

Academic Career: Undergraduate

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

THEA 1900 - INDEPENDENT STUDY

Minimum Credits: 1

Maximum Credits: 6

The terms of the student's independent study will be agreed upon by the instructor and the student.

Academic Career: Undergraduate

Course Component: Independent Study

Grade Component: LG/SNC Elective Basis

THEA 1955 - VISUAL AND PERFORMING ARTS CAPSTONE

Minimum Credits: 3

Maximum Credits: 3

Academic Career: Undergraduate

Course Component: Seminar

Grade Component: LG/SNC Elective Basis

Course Requirements: PREQ: HAA 0010, HAA 1010; MUSIC 0211; MUSIC 0411; THEA 0104 and (THEA 0805 or THEA 0806); Senior

WCC 0201 - WCCC

Minimum Credits: 1

Maximum Credits: 6

Cross-registration with Westmoreland County Community College.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis

WCC 0202 - WCCC

Minimum Credits: 1

Maximum Credits: 6

Cross-registration with Westmoreland County Community College.

Academic Career: UGRD

Course Component: Lecture

Grade Component: LG/SNC Elective Basis