University Catalog 2019-2020

University of Pittsburgh Titusville

Academic Calendar

University of Pittsburgh

ACADEMIC CALENDAR • 2019–20

Dates highlighted in yellow apply to all schools, on all University campuses. Those in blue 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 Joseph M. Katz Graduate School of Business, as well as graduate programs with specialized accreditation requirements may be obtained from the appropriate Dean's Office.

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

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

☑ All Campus WIP ☑ Main Campus WIP Mix-in: All, None

July 2019

Begins		Date	Ends		Campus
7/4/2019	Thursday	Independence Day (University closed)	7/4/2019	Thursday	All Campuses
7/10/2019	Wednesday	Fall Term deadline for continuing students to register	7/10/2019	Wednesday	Pittsburgh Campus
7/17/2019	Wednesday	Staff Council	7/17/2019	Wednesday	Pittsburgh Campus

August 2019

Begins		Date	Ends		Campus
8/12/2019	Monday	Office of International Services (OIS) Graduate and Professional Student Orientation	8/12/2019	Monday	Pittsburgh Campus
8/17/2019	Saturday	International Undergraduate Student Orientation	8/19/2019	Monday	Pittsburgh Campus
8/19/2019	Monday	New and Transfer Undergraduate Student Orientation	8/25/2019	Sunday	Pittsburgh Campus
8/19/2019	Monday	Residence halls open	8/19/2019	Monday	Pittsburgh Campus
8/20/2019	Tuesday	New Graduate and Professional Student Orientation	8/20/2019	Tuesday	Pittsburgh Campus

8/21/2019	Wednesday	New and Transfer Undergraduate Student Convocation	8/21/2019	Wednesday	Pittsburgh Campus
8/21/2019	Wednesday	Staff Council	8/21/2019	Wednesday	Pittsburgh Campus
8/22/2019	Thursday	New Faculty Orientation	8/22/2019	Thursday	Pittsburgh Campus
8/23/2019	Friday	New Teaching Assistant Orientation	8/23/2019	Friday	Pittsburgh Campus
8/26/2019	Monday	Fall Term classes begin	8/26/2019	Monday	All Campuses
8/26/2019	Monday	Fall Term enrollment period ends for all students	8/26/2019	Monday	All Campuses

September 2019

Begins		Date	Ends		Campus
9/2/2019	Monday	Labor Day (University closed)	9/2/2019	Monday	All Campuses
9/6/2019	Friday	Fall Term add/drop period ends	9/6/2019	Friday	All Campuses
9/7/2019	Saturday	Fall Term extended drop period begins (Undergraduate Students Only)	9/7/2019	Saturday	All Campuses **(Guidelines)**
9/10/2019	Tuesday	Faculty Assembly	9/10/2019	Tuesday	Pittsburgh Campus
9/13/2019	Friday	Fall Term extended drop period ends (Undergraduate Students Only)	9/13/2019	Friday	All Campuses
9/17/2019	Tuesday	Constitution Day	9/17/2019	Tuesday	Pittsburgh Campus
9/18/2019	Wednesday	Senate Council	9/18/2019	Wednesday	Pittsburgh Campus
9/27/2019	Friday	Family Weekend	9/28/2019	Saturday	Pittsburgh Campus

October 2019

Begins		Date	Ends		Campus
10/8/2019	Tuesday	Faculty Assembly	10/8/2019	Tuesday	Pittsburgh Campus
10/16/2019	Wednesday	Senate Council	10/16/2019	Wednesday	Pittsburgh Campus
10/25/2019	Friday	Homecoming Activities	10/27/2019	Sunday	Pittsburgh Campus
10/25/2019	Friday	Fall Term deadline for students to submit Monitored	10/25/2019	Friday	

		Withdrawal forms to Dean's Office			All Campuses
10/25/2019	Friday	Final Exam Conflict Form Submission Deadline	10/25/2019	Friday	All Campuses **(Guidelines)**
10/25/2019	Friday	Spring Term enrollment appointments begin (Veteran Students)	10/25/2019	Friday	All Campuses
10/28/2019	Monday	Spring Term enrollment appointments begin (Non-Veteran Students)	10/28/2019	Monday	All Campuses

November 2019

Begins		Date	Ends		Campus
11/5/2019	Tuesday	Faculty Assembly	11/5/2019	Tuesday	Pittsburgh Campus
11/8/2019	Friday	Last day for Spring Term enrollment appointments	11/8/2019	Friday	All Campuses
11/9/2019	Saturday	Spring Term open enrollment begins	11/9/2019	Saturday	All Campuses
11/13/2019	Wednesday	Senate Council	11/13/2019	Wednesday	Pittsburgh Campus
11/24/2019	Sunday	Thanksgiving Recess for students (no classes), all schools	12/1/2019	Sunday	All Campuses
11/28/2019	Thursday	Thanksgiving Recess for faculty and staff (University closed)	11/29/2019	Friday	All Campuses

December 2019

Begins		Date	Ends		Campus
11/24/2019	Sunday	Thanksgiving Recess for students (no classes), all schools	12/1/2019	Sunday	All Campuses
12/2/2019	Monday	Classes resume (all schools)	12/2/2019	Monday	All Campuses
12/3/2019	Tuesday	Faculty Assembly	12/3/2019	Tuesday	Pittsburgh Campus
12/6/2019	Friday	Fall Term: Last day for undergraduate day classes	12/6/2019	Friday	All Campuses
12/6/2019	Friday	Spring Term deadline for continuing students to register	12/6/2019	Friday	All Campuses
12/7/2019	Saturday	CGS, Saturday Only, graduate, and evening classes meet during this period; final exams held during last scheduled class	12/14/2019	Saturday	Pittsburgh Campus
12/7/2019	Saturday	Reading Day	12/7/2019	Saturday	All Campuses
12/9/2019	Monday	Final examination period for undergraduate day classes	12/14/2019	Saturday	Pittsburgh Campus
12/11/2019	Wednesday	Senate Council	12/11/2019	Wednesday	Pittsburgh Campus

12/14/2019	Saturday	Fall Term Ends: Official date for degrees awarded in Fall Term	12/14/2019	Saturday	All Campuses
12/15/2019	Sunday	Residence halls close	12/15/2019	Sunday	Pittsburgh Campus
12/15/2019	Sunday	Winter Recess for students (no classes), all schools	1/5/2020	Sunday	All Campuses
12/17/2019	Tuesday	Fall Term grades must be approved by instructors by 11:59 p.m.	12/17/2019	Tuesday	Pittsburgh Campus
12/23/2019	Monday	Winter Recess for faculty, staff, & designated offices. Responsibility centers & research projects staffed as necessary*	1/1/2020	Wednesday	All Campuses

January 2020

Begins		Date	Ends		Campus
12/15/2019	Sunday	Winter Recess for students (no classes), all schools	1/5/2020	Sunday	All Campuses
12/23/2019	Monday	Winter Recess for faculty, staff, & designated offices. Responsibility centers & research projects staffed as necessary*	1/1/2020	Wednesday	All Campuses
1/2/2020	Thursday	All University offices and buildings reopen	1/2/2020	Thursday	All Campuses
1/4/2020	Saturday	Residence halls reopen	1/4/2020	Saturday	Pittsburgh Campus
1/6/2020	Monday	Spring Term classes begin	1/6/2020	Monday	All Campuses
1/6/2020	Monday	Spring Term enrollment period ends for all students	1/6/2020	Monday	All Campuses
1/17/2020	Friday	Spring Term add/drop period ends	1/17/2020	Friday	All Campuses
1/18/2020	Saturday	Spring Term extended drop period begins (Undergraduate Students Only)	1/18/2020	Saturday	All Campuses **(Guidelines)**
1/20/2020	Monday	Dr. Martin Luther King's birthday observance (University closed)	1/20/2020	Monday	All Campuses
1/24/2020	Friday	Spring Term extended drop period ends (Undergraduate Students Only)	1/24/2020	Friday	All Campuses

February 2020

Begins		Date	Ends		Campus
2/7/2020	Friday	Summer Term enrollment appointments begin (Veteran Students)	2/7/2020	Friday	All Campuses
2/10/2020	Monday	Summer Term enrollment appointments begin (Non-Veteran Students)	2/10/2020	Monday	All Campuses
2/28/2020	Friday	Honors Convocation	2/28/2020	Friday	All Campuses

March 2020

Begins		Date	Ends		Campus
3/6/2020	Friday	Final Exam Conflict Form Submission Deadline	3/6/2020	Friday	

					All Campuses **(Guidelines)**
3/6/2020	Friday	Spring Term deadline for students to submit Monitored Withdrawal forms to Dean's Office	3/6/2020	Friday	All Campuses
3/8/2020	Sunday	Spring Recess for students (no classes); offices and buildings remain open, except on Friday, Spring Holiday	3/15/2020	Sunday	All Campuses
3/13/2020	Friday	University's observance of Spring Holiday (University closed)	3/13/2020	Friday	All Campuses
3/20/2020	Friday	Fall Term enrollment appointments begin (Veteran Students)	3/20/2020	Friday	All Campuses
3/23/2020	Monday	Fall Term enrollment appointments begin (Non-Veteran Students)	3/23/2020	Monday	All Campuses

April 2020

Begins		Date	Ends		Campus
4/3/2020	Friday	Last day for Fall Term enrollment appointments	4/3/2020	Friday	All Campuses
4/4/2020	Saturday	Fall Term open enrollment period begins	4/4/2020	Saturday	All Campuses
4/17/2020	Friday	Spring Term: Last day for undergraduate day classes	4/17/2020	Friday	All Campuses
4/18/2020	Saturday	CGS, Saturday Only, graduate, and evening classes meet during this period; final exams held during last scheduled class	4/25/2020	Saturday	Pittsburgh Campus
4/18/2020	Saturday	Reading Day	4/18/2020	Saturday	All Campuses
4/20/2020	Monday	Final examination period for undergraduate day classes	4/25/2020	Saturday	Pittsburgh Campus
4/23/2020	Thursday	Annual Graduate Commencement Convocation	4/23/2020	Thursday	Pittsburgh Campus
4/25/2020	Saturday	Spring Term Ends: Official date for degrees awarded in Spring Term	4/25/2020	Saturday	All Campuses
4/26/2020	Sunday	Annual Undergraduate Commencement Convocation	4/26/2020	Sunday	Pittsburgh Campus
4/26/2020	Sunday	Residence halls close (except for graduating seniors)	4/26/2020	Sunday	Pittsburgh Campus
4/29/2020	Wednesday	Spring Term grades must be approved by instructors by 11:59 p.m.	4/29/2020	Wednesday	Pittsburgh Campus

May 2020

Begins		Date	Ends		Campus
5/3/2020	Sunday	Summer Term: Residence halls open	5/3/2020	Sunday	Pittsburgh Campus
5/4/2020	Monday	Summer Term enrollment period ends and classes begin	5/4/2020	Monday	All Campuses

5/11/2020	Monday	Summer 12-WEEK, 6-WEEK-1, 4-WEEK-1 sessions enrollment period ends and classes begin	5/11/2020	Monday	All Campuses
5/13/2020	Wednesday	Summer 4-WEEK-1 and 6-WEEK-1 sessions add/drop period ends	5/13/2020	Wednesday	All Campuses
5/15/2020	Friday	Summer Term add/drop period ends	5/15/2020	Friday	All Campuses
5/18/2020	Monday	Summer 12-WEEK session add/drop period ends	5/18/2020	Monday	All Campuses
5/23/2020	Saturday	Official date for degrees awarded in the School of Law and School of Dental Medicine	5/23/2020	Saturday	Pittsburgh Campus
5/25/2020	Monday	Memorial Day (University closed)	5/25/2020	Monday	All Campuses
5/27/2020	Wednesday	Summer 4-WEEK-1 session deadline for students to submit Monitored Withdrawal forms to Dean's Office	5/27/2020	Wednesday	All Campuses

June 2020

Begins		Date	Ends		Campus
6/5/2020	Friday	Summer 6-WEEK-1 session deadline for students to submit Monitored Withdrawal forms to Dean's Office	6/5/2020	Friday	All Campuses
6/6/2020	Saturday	Summer 4-WEEK-1 session ends: Final examinations scheduled during last class meeting	6/6/2020	Saturday	All Campuses
6/8/2020	Monday	Summer 4-WEEK-2 session enrollment period ends and classes begin	6/8/2020	Monday	All Campuses
6/10/2020	Wednesday	Summer 4-WEEK-1 session grades must be approved by instructors by 11:59 p.m.	6/10/2020	Wednesday	Pittsburgh Campus
6/10/2020	Wednesday	Summer 4-WEEK-2 session add/drop period ends	6/10/2020	Wednesday	All Campuses
6/20/2020	Saturday	Official date for awarding of degrees	6/20/2020	Saturday	All Campuses
6/20/2020	Saturday	Summer 6-WEEK-1 session ends: Final examinations scheduled during last class meeting	6/20/2020	Saturday	All Campuses
6/22/2020	Monday	Summer 6-WEEK-2 session enrollment period ends and classes begin	6/22/2020	Monday	All Campuses
6/24/2020	Wednesday	Summer 6-WEEK-1 session grades must be approved by instructors by 11:59 p.m.	6/24/2020	Wednesday	Pittsburgh Campus
6/24/2020	Wednesday	Summer 4-WEEK-2 session deadline for students to submit Monitored Withdrawal forms to Dean's Office	6/24/2020	Wednesday	All Campuses
6/24/2020	Wednesday	Summer 6-WEEK-2 session add/drop period ends	6/24/2020	Wednesday	All Campuses

July 2020

Begins		Date	Ends		Campus
7/2/2020	Thursday	Summer 4-WEEK-2 session ends: Final examinations scheduled during last class meeting	7/2/2020	Thursday	All Campuses
7/2/2020	Thursday	Summer Term and 12-WEEK session deadline for students to submit Monitored Withdrawal forms to Dean's Office	7/2/2020	Thursday	All Campuses

7/3/2020	Friday	Independence Day (University Closed)	7/4/2020	Saturday	All Campuses
7/6/2020	Monday	Summer 4-WEEK-3 session enrollment period ends and classes begin	7/6/2020	Monday	All Campuses
7/8/2020	Wednesday	Fall Term deadline for continuing students to register	7/8/2020	Wednesday	Pittsburgh Campus
7/8/2020	Wednesday	Summer 4-WEEK-2 session grades must be approved by instructors by 11:59 p.m.	7/8/2020	Wednesday	Pittsburgh Campus
7/8/2020	Wednesday	Summer 4-WEEK-3 session add/drop period ends	7/8/2020	Wednesday	All Campuses
7/17/2020	Friday	Summer 6-WEEK-2 session deadline for students to submit Monitored Withdrawal forms to Dean's Office	7/17/2020	Friday	All Campuses
7/22/2020	Wednesday	Summer 4-WEEK-3 session deadline for students to submit Monitored Withdrawal forms to Dean's Office	7/22/2020	Wednesday	All Campuses

August 2020

Begins		Date	Ends		Campus
8/1/2020	Saturday	Summer 12-WEEK, 6-WEEK-2, 4-WEEK-3 sessions end: Final examinations scheduled during last class meeting	8/1/2020	Saturday	All Campuses
8/5/2020	Wednesday	Summer 12-WEEK, 6-WEEK-2, 4-WEEK-3 sessions grades must be approved by instructors by 11:59 p.m.	8/5/2020	Wednesday	Pittsburgh Campus
8/8/2020	Saturday	Official date for awarding degrees	8/8/2020	Saturday	All Campuses
8/8/2020	Saturday	Summer Term Ends: Final examinations scheduled during last class meeting	8/8/2020	Saturday	All Campuses
8/9/2020	Sunday	Residence halls close	8/9/2020	Sunday	Pittsburgh Campus
8/12/2020	Wednesday	Summer Term grades must be approved by instructors by 11:59 p.m	8/12/2020	Wednesday	Pittsburgh Campus
8/17/2020	Monday	Residence halls open	8/17/2020	Monday	Pittsburgh Campus
8/24/2020	Monday	Fall Term classes begin	8/24/2020	Monday	All Campuses
8/24/2020	Monday	Fall Term enrollment period ends for all students	8/24/2020	Monday	All Campuses

September 2020

Begins		Date	Ends		Campus
9/4/2020	Friday	Fall Term add/drop period ends	9/4/2020	Friday	All Campuses
9/5/2020	Saturday	Fall Term extended drop period begins (Undergraduate Students Only)	9/5/2020	Saturday	All Campuses **(Guidelines)**
9/7/2020	Monday	Labor Day (University closed)	9/7/2020	Monday	All Campuses

9/11/2020	Friday	Fall Term extended drop period ends (Undergraduate Students Only)	9/11/2020	Friday	All Campuses
9/17/2020	Thursday	Constitution Day	9/17/2020	Thursday	Pittsburgh Campus

October 2020

Begins		Date	Ends		Campus
10/23/2020	Friday	Fall Term deadline for students to submit Monitored Withdrawal forms to Dean's Office	10/23/2020	Friday	All Campuses
10/23/2020	Friday	Final Exam Conflict Form Submission Deadline	10/23/2020	Friday	All Campuses **(Guidelines)**
10/23/2020	Friday	Spring Term enrollment appointments begin (Veteran Students)	10/23/2020	Friday	All Campuses
10/26/2020	Monday	Spring Term enrollment appointments begin (Non-Veteran Students)	10/26/2020	Monday	All Campuses

November 2020

Begins		Date	Ends		Campus
11/6/2020	Friday	Last day for Spring Term enrollment appointments	11/6/2020	Friday	All Campuses
11/7/2020	Saturday	Spring Term open enrollment period begins	11/7/2020	Saturday	All Campuses
11/22/2020	Sunday	Thanksgiving Recess for students (no classes), all schools	11/29/2020	Sunday	All Campuses
11/26/2020	Thursday	Thanksgiving Recess for faculty and staff (University closed)	11/27/2020	Friday	All Campuses
11/30/2020	Monday	Classes resume (all schools)	11/30/2020	Monday	All Campuses

December 2020

Begins		Date	Ends		Campus
12/4/2020	Friday	Spring Term deadline for continuing students to register	12/4/2020	Friday	Pittsburgh Campus
12/4/2020	Friday	Fall Term: Last day for undergraduate day classes	12/4/2020	Friday	All Campuses
12/5/2020	Saturday	CGS, Saturday Only, graduate, and evening classes meet during this period; final exams held during last scheduled class	12/12/2020	Saturday	Pittsburgh Campus
12/5/2020	Saturday	Reading Day	12/5/2020	Saturday	All Campuses
12/7/2020	Monday	Final examination period for undergraduate day classes	12/12/2020	Saturday	Pittsburgh Calendar
12/12/2020	Saturday	Fall Term Ends: Official date for degrees awarded in Fall Term	12/12/2020	Saturday	All Campuses
12/13/2020	Sunday	Residence halls close	12/13/2020	Sunday	Pittsburgh Campus

12/13/2020	Sunday	Winter Recess for students (no classes), all schools	1/10/2021	Sunday	All Campuses
12/15/2020	Tuesday	Fall Term grades must be approved by instructors by 11:59 p.m.	12/15/2020	Tuesday	Pittsburgh Campus
12/24/2020	Thursday	Winter Recess for faculty, staff, & designated offices. Responsibility centers & research projects staffed as necessary*	1/3/2021	Sunday	All Campuses

January 2021

Begins		Date	Ends		Campus
12/13/2020	Sunday	Winter Recess for students (no classes), all schools	1/10/2021	Sunday	All Campuses
12/24/2020	Thursday	Winter Recess for faculty, staff, & designated offices. Responsibility centers & research projects staffed as necessary*	1/3/2021	Sunday	All Campuses
1/4/2021	Monday	All University offices and buildings reopen	1/4/2021	Monday	All Campuses
1/9/2021	Saturday	Residence halls open	1/9/2021	Saturday	Pittsburgh Campus
1/11/2021	Monday	Spring Term classes begin	1/11/2021	Monday	All Campuses

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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. For any questions, Contact us!

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 Diversity and Inclusion, Cheryl Ruffin, Institutional Equity Manager, 4415 Fifth Avenue, 2nd Floor Webster 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

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About the University of Pittsburgh at Titusville

The University of Pittsburgh at Titusville (Pitt-Titusville) is a regional campus of the University of Pittsburgh. While Pitt-Titusville provides career-oriented programs for those interested in an associate degree, it also offers more than 100 relocation and transfer programs for students pursuing baccalaureate or professional degrees. Pitt-Titusville also provides a cultural event series, lecture series, and community service projects, as part of its mission to serve the region as an educational, cultural, and economic resource.

The campus is in northwestern Pennsylvania in the pleasant residential city of Titusville. The city's historic significance, as the site of the first commercially successful oil well, brings countless visitors to the area throughout the year. The University of Pittsburgh affiliation, the excellent physical environment, and the small class sizes combine to make Pitt-Titusville an especially favorable setting for new college students. Pitt-Titusville offers the advantages of a liberal arts college and the resources, diversity, and prestige of a major research university.

Pitt-Titusville seeks to enroll approximately 200 full- and part-time students. About 40 percent of full-time students live on campus. The average class size is less than 10 students. Pitt-Titusville undergraduate students enjoy individual attention, both in and outside the classroom, and there are many opportunities for involvement and leadership in campus activities. Likewise they enjoy access to the support services and comprehensive academic offerings of the University of Pittsburgh, one of the finest research and professional institutions in the world.

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.

Educational Mission

The University of Pittsburgh at Titusville provides students with a quality educational experience offered in a supportive environment conducive to learning, self-discipline, and mutual respect. Pitt-Titusville combines the advantages of a small college with the resources of an internationally renowned institution by:

1. Providing a point of access to the instructional and research facilities of the University of Pittsburgh for northwest Pennsylvania;
2. Providing a full range of associate degrees that serve as entry level access to a variety of professions or as prerequisites to baccalaureate programs;
3. Offering an excellent undergraduate curriculum in the liberal arts and sciences and professional programs with an emphasis on personalized attention to students;
4. Serving as an educational, cultural and economic resource for northwest Pennsylvania.

The Titusville Community

Titusville is a small city in the foothills of the Allegheny Mountains with a distinctive place in world history. Col. Edwin L. Drake drilled the first commercial oil well here in 1859, making Titusville the birthplace of the oil industry and the center of early developments in petroleum technology. The Drake Well Museum, within walking distance of campus, preserves that rich technological and cultural history.

Today, Titusville is permanent home to about 6,000 people. It is an attractive residential community. Its tree-lined streets and stately homes mark its heritage and provide a pleasant environment in which to study and work. Located about 40 miles south of Erie and 90 miles north of Pittsburgh, Titusville is a gateway to outdoor recreational activities such as hunting, fishing, boating, swimming, canoeing, skiing, golfing, hiking, biking, and horseback riding. Just minutes from campus, for example, is Oil Creek State Park, which covers 6,400 acres and offers a 10-mile paved biking path, and the city-owned par course exercise trail. Though small, Titusville is large enough to offer a variety of stores, banks, churches, restaurants, and lodging facilities.

Buildings and Facilities

The Titusville Campus, located on and adjacent to the former McKinney Estate, offers modern comfort and convenience in a traditional residential setting. The beautiful, compact campus is a vital academic and educational resource to the surrounding community. All facilities on campus offer wireless network access.

McKinney Hall, built in 1870, houses administrative and faculty offices as well as classrooms.

Bennett Davis Hall, formerly the carriage house of the estate, now houses the Offices of the Registrar, Student Accounts, Financial Aid Office, Office of Human Resources, and Office of Business Affairs.

The Haskell Memorial Library building is also on land originally part of the McKinney Estate. This building houses a 150-seat auditorium, the Pitt-Titusville Computer Center, classrooms, faculty offices, the Physical Therapist Assistant and Nursing Programs' facilities and the Haskell Library that houses the campus collection of books and periodicals. Currently, Haskell Library holds nearly 44,000 volumes and subscribes to more than 200 periodicals, from professional journals to magazines of general interest. CD-ROM databases and workstations have been added to complement traditional library information resources. The library also offers microfilm reading and copying equipment. These represent only a small portion of the resources available to Pitt-Titusville students. Haskell Library is linked to the 27 libraries in the Pitt system through PITTCAT Plus, an online computer catalog that allows easy access to the University's collection of more than 6,700,000 volumes (including microforms) and over 25,000 subscriptions. Pitt-Titusville students can also access numerous computerized databases and, through interlibrary loan networks, can gather data from major research libraries in the United States and abroad.

Also in the Haskell Library is the Pitt-Titusville Learning Center to provide students with convenient access to tutors, research material and computer facilities.

The $5 million **Broadhurst Science Center** opened in 1998. The 32,000-square-foot structure houses biology, chemistry, psychology, geology, physics, computer laboratories, faculty offices, two demonstration/lecture halls, and one general classroom, all with multimedia video capability. The Campus Dean's Office and the Office of Academic Affairs is also found here. The building features a 417-seat theater/auditorium-the new home for Pitt-Titusville's Spotlight on the Lively Arts cultural events series, and other events that enrich the life of the campus and surrounding communities.

Adjacent to the above group of buildings is the **J. Curtis McKinney II Student Union/Gymnasium**. The building offers a full-size gymnasium, an auxiliary gym, racquetball courts, the Counseling Center, the Office of Student Life and the Health Center. The newest addition to the building is McKinney Commons, an 8,100 square-foot dining facility. The dining area includes a Wood Stone Oven and a cutting edge service area with cook-to-order stations offering a wide variety of food choices. The building also houses several classrooms and administrative offices.

Behind the Student Union stands Pitt-Titusville's residence facility, **Spruce Street Residence Hall**. Each student living in a residence facility is provided with a computer port for direct access to the Pitt network as well as Wi-Fi capability.

Student Affairs

The Division of Student Affairs includes the Offices of Student Life, Counseling and Student Development, Health Services, and Student Conduct.

Health Services

The Office of Health Services includes primary assessment and treatment, medical counseling, referral to local professional offices and agencies, and educational programming in current health issues.

Counseling and Student Development

The Office of Counseling and Student Development provides personal and career counseling, disability resources and services, academic support services, and personal development programming.

Residential Services

All full-time students outside a 30-mile radius are required to reside in campus housing, unless they are living with parents or immediate relatives. Exemptions are made for married students or those 21 years or older. Residence life offer a variety of housing options in on-campus housing facilities. Private rooms are also available when space permits.

Dining Services

Several meal plan options are available to students. Dining hall hours are Monday-Friday, 7:00 a.m. to 7:00 p.m.; Saturday, Sunday, and holidays 11:30 a.m. - 6:30 p.m. Per meal food service is also available to commuter students, faculty and staff. All residential students are required to subscribe to one of the meal plans, unless exempted by the Disability Services Office.

Student Organizations and Athletics

A diverse spectrum of activities offers a variety of opportunities to suit student interests. Among active student organizations are the Cheerleaders, Student Organization of the Pitt-Titusville Nursing Program, Student Activities Board, Student Government Association, Alpha Omega Campus Ministries, American Chemical Society, and the Student Physical Therapy Association. Pitt-Titusville also has a local chapter of Phi Theta Kappa, an academic honor society serving two-year institutions. Facilitating student involvement on campus is the Student Government Association.

Students are especially encouraged to take advantage of the unique leadership opportunities afforded through involvement in student activities.

Intercollegiate Athletics

The University of Pittsburgh at Titusville offers three intercollegiate sports: men's and women's basketball, and women's volleyball. All students may try out for the teams. Contact the Director of Athletics and Student Recreation for more information.

Intramural Sports

Intramural sports are an important part of the educational experience at Pitt-Titusville. Activities include indoor soccer, flag football, volleyball, racquetball, bowling, golf, dodge ball, and rag ball. Contact the Director of Athletics and Student Recreation for more information.

Admissions

Bennett Davis Hall
504 East Main Street
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The University of Pittsburgh at Titusville (Pitt-Titusville) seeks applicants interested in building a strong academic foundation in a personalized campus setting. University programs focus on the first two years of college and prepare students for direct career entry upon completion of associate degrees or successful relocation and completion of four-year, baccalaureate degree programs.

Each application to Pitt-Titusville is evaluated individually by the Admissions Committee. In addition to scholastic achievement, the Committee considers co- and extracurricular involvement, leadership, special interests and talents, performance on college entrance examinations, personal motivation, and perceived ability for success at Pitt-Titusville . The Admissions Committee seeks to identify and admit candidates who will benefit from and contribute to the diversity of the Pitt-Titusville student body.

Any student with a high school diploma or its equivalent may apply for admission to an associate degree program at Pitt-Titusville.

Admission Procedure

All high school graduates, equivalency diploma recipients, and transfer students interested in pursuing undergraduate education at Pitt-Titusville and applying for admission to full-time study or degree-seeking part-time study must file an application for admission. Applications are provided by the Office of Admissions, or they can be submitted electronically at www.upt.pitt.edu. Once admitted, students will receive information about orientation and registration.

Applicants for admission to the University of Pittsburgh at Titusville should submit the following materials to the Pitt-Titusville Office of Admissions:

1. Pitt-Titusville application form
2. Official high school transcript
3. Scholastic Aptitude Test (SAT) or American College Testing Program (ACT) scores
4. **Transfer applicants** must also submit official academic transcripts from each college attended.

In addition, the following items, while not required, will be considered by the Admissions Committee, and applicants are encouraged to include these optional items:

1. Admissions interview
2. References/letters of recommendation
3. Essay/personal statements

Transfer Credits

Students who have taken credits at other colleges or universities may be able to apply them toward one of Pitt-Titusville's associate degrees. However, not all credits will transfer, and only a maximum of 30 credits will be accepted toward completion of the degree. Evaluation of transcripts for transfer into an associate degree program will be made by the Campus Dean on an individual basis. It should also be noted that the final 30 credits of the degree must be completed in residence at the Titusville campus.

Campus Visit

Appointments for interviews and campus visits, although not required, are encouraged. The purpose of the campus visit is to allow student candidates and their families an opportunity to gain first-hand knowledge of the programs, facilities, admission policies, and campus environment. Interviews and visits may be scheduled weekdays between 9 a.m. and 3 p.m. throughout the year.

Non-degree Admission Procedure

Students interested in attending Pitt-Titusville without seeking a degree must complete and return the non-degree application and the applicant data sheet to the Office of Admissions. Upon completion of 18 University of Pittsburgh credits, students who wish to continue must apply for degree-seeking status through the Office of Academic Affairs. No financial assistance is available for non-degree students.

Early Admission of Accelerated High School Students

Students who have demonstrated a readiness to take on the challenges of college work at the end of their junior year of high school may be offered early admission to Pitt-Titusville in lieu of or complementary to their senior year. Readiness is determined on the basis of outstanding academic achievement, test information, school recommendations, and interviews. The early admission program is offered in cooperation with the student's secondary school, and the high school diploma must be awarded at the end of the student's first year of university study. Students interested in early admission must be recommended by their high school, and they should contact the Office of Academic Affairs for additional information.

SUCCESS Program

SUCCESS (Students Utilizing College Courses for Enrichment and Special Skills) is open to qualified high school juniors or seniors who wish to take college courses at Pitt-Titusville while still enrolled in high school. To be admitted to the program, high school juniors or seniors must have a minimum grade point average (GPA) of 3.50 on a 4.00 scale. Students may contact the Office of Academic Affairs for further information.

Admission Requirements

All applicants for admission to the University of Pittsburgh at Titusville must graduate from an accredited secondary school or hold an equivalency diploma; submit 15 units of secondary school credit; and submit scores from one of the following: the Scholastic Aptitude Test (SAT) or the American College Testing Program (ACT). Test requirements may be waived in special circumstances where the student has been out of school for a number of years. Recommended preparation includes:

English	4 units
Algebra	1 unit
Plane Geometry or Algebra II	1 unit
History	1 unit
Laboratory Science	1 unit
Academic Electives	7 units
Total	**15 units**

In addition to the above, engineering applicants should also complete trigonometry, chemistry, and physics. Pharmacy applicants should also complete trigonometry, biology, and chemistry.

Applicants for the Physical Therapist Assistant program have additional admission requirements. Contact the Office of Admissions or the Office of the Physical Therapist Assistant Program for full details.

Applicants for the Nursing program have additional admission requirements. Contact the Office of Admissions or the Nursing Program office for full details.

Advanced Placement

The University accepts advanced placement credits according to the following schedule:

Exam Code	Description	Score	Credits For	Credits
ADAP	Studio Art - Drawing	4,5	SA 0130	3
AHAP	Art History	3,4,5	HA&A 0010	3
AMAP	U.S. History	4,5	HIST 0600 or 0601	3
BSAP	Biology	4	BIOSC 0050, 0150	4
		5	BIOSC 0050, 0150, 0060, 0160	8
CAAP	Computer Science A	3, 4, 5	CS 0131	3

CBAP	Computer Science AB	3, 4, 5	CS 0131	3
CHAP	Chemistry	3, 4	CHEM 0110	4
		5	CHEM 0110, 0120	8
EEAP	Economics-Macroeconomics	4, 5	ECON 0110	3
EHAP	European History	4, 5	HIST 0100 or 0101	3
ESAP	Environmental Science	4, 5	BIOSC 0820	3
FRAP	French Language	4	FR 0101	3
FRAP	French Language	5	FR 0101, 0102	6
LAAP	English Language and Composition	4, 5	ENG 0101	3
LIAP	English Literature and Composition	4, 5	ENGLIT 0000 or ENG 0101	3
MAAP	Calculus AB	4, 5	MATH 0220	4
MBAP	Calculus BC	4, 5	MATH 0220, 0230	8
PHAP	Physics B	4	PHYS 0110	3
PMAP	Physics C Mechanics	4, 5	PHYS 0174	4
PSAP	Psychology	4, 5	Psychology 0010	3
SSAP	Statistics	4, 5	STAT 1000	4
UGAP	U.S. Government and Politics	4, 5	PS 0200	3
WHAP	World History	4, 5	HIST 0700	3

Credit by Examination

Students at the University of Pittsburgh may earn credits toward graduation by taking special examinations subject to the following qualifications:

1. Each department determines the courses for which students may earn credit by examination, and the time and type of examination.
2. Students may not take credit examinations in areas specified as prerequisites for admission.
3. Credit by exam cannot be obtained for a college-level course for which credit has already been awarded, nor can it be used to change a grade already received.
4. Credit by exam cannot be earned in lower-level sequence courses if the student has already taken a higher-level course in the sequence.
5. Students may not audit a course and then apply for credit by examination.
6. There is a fee for the examination, whether or not credits are earned.

College Level Examination Program

The University of Pittsburgh at Titusville cooperates with the National College Level Examination Program (CLEP). Under this program, students who feel that their knowledge of a certain subject is extensive may elect to take CLEP examinations. Scores required for the award of credit from CLEP examinations (as well as Advanced Placement [AP] credit) have been set by the College faculty. Students are eligible for CLEP credit only if CLEP examinations are taken prior to the completion of 30 college credits, including transfer credits. Limitations of credit earned through CLEP examinations are as follows:

1. The credit must be useful in a student's program of study.
2. Credit will not be granted if a student has completed an equivalent or more advanced course in the discipline.
3. Duplicate credit in the same subject is not awarded in any case.
4. A student who has earned CLEP credit at other institutions must have their test scores evaluated to determine eligibility for credit at the University of Pittsburgh at Titusville.
5. Credit is granted, but grades and quality points are not assigned or recorded.
6. The acceptance of CLEP credit toward degree requirements varies from program to program. Consult with the Office of Academic Affairs for further information as to whether CLEP credits can be used to meet specific degree requirements.

Credit Maximum: A combined total of 30 credits may be awarded through CLEP, AP, transfer credits from other schools, and challenge examinations administered by the academic department within the University of Pittsburgh at Titusville.

Upon completing an examination, a student will receive credit (as indicated in the chart below) based on the score he or she achieves.

Note: Pitt Titusville does not use all available CLEP exams and will not accept CLEP credits for the following:

General exams:

- Humanities
- Natural Sciences
- Social Sciences

Upper Level course exams:

- Marketing

Other exams:

- Algebra-Trigonometry (there are separate exams for Algebra and Trigonometry)
- English Literature (no Pitt Titusville equivalent)
- Composition, Freshman College (use the English Composition exam with Essay)

Credit Awarded for CLEP Exams (equivalent course at Pitt-Titusville)

Tests are Administered Through Computer Based Testing (CBT)

Composition and Literature	**Score***	**Credits**
American Literature (ENGLIT 0570)	58	3
Analyzing and Interpreting Literature (ENGLIT 0370)	58	3
English Composition with Essay (ENGCMP 0200)	58	3
Second Languages		
French Language, Level 1 (FR 0001)	58	5
French Language, Level 2 (FR 0001 & 0002)	74	10
Spanish Language, Level 1 (SPAN 0001)	58	5
Spanish Language, Level 2 (SPAN 0001 & 0002)	74	10
Social Sciences and History		
American Government (PS 0200)	58	3
Educational Psychology, Introduction to (EDPSY 0006)	58	3
History of the United States I (HIST 0600)	58	3
History of the United States II (HIST 0601)	58	3
Human Growth and Development (PSY 0310)	58	3
Macroeconomics, Principles of (ECON 0110)	58	3
Microeconomics, Principles of (ECON 0100)	58	3
Psychology, Introductory (PSY 0010)	58	3
Sociology, Introductory (SOC 0010)	58	3
Western Civilization I (HIST 0100)	58	3
Western Civilization II (HIST 0101)	58	3
Science and Mathematics		
Algebra, College (MATH 0031)	58	3
Trigonometry (MATH 0032)	58	2
Calculus (MATH 0220)	58	4

**Biology (BIOSC 0150 and 0160 - without lab)	58	6
**Chemistry (CHEM 0110 and 0120 - without lab)	58	6
Business		
Accounting, Principles of (ACCT 0111 & 0112)	58	6
Business Law, Introductory (BUS 0106)	58	3
Information Systems and Computer Applications (CS 0131)	58	3
Management, Principles of (BUS 0102)	58	3

* Scores are weighted with top score of 80.

** Without laboratory

Academic Procedures and Policies

Course Load

To be considered full time a student must carry a minimum of 12 credits per term. In addition, a student will not be allowed to take more than 18 credits per term without special permission from the Campus Dean. A student will never be allowed to carry more than 21 credits per term. A course load above 18 credits carries an additional tuition charge. Background Checks and Clearance for Certain Academic

Background Checks and Clearance for Certain Academic Programs

Please be advised that some programs or courses of study require that students complete rotations, fieldwork, internships/externships and/or teaching assignments at facilities external to the university, while other programs or courses of study may offer voluntary internships or externships at facilities external to the university. Depending on the program or course, such facilities will or may require a criminal background check, an act 33/34 clearance (if applicable), and perhaps a drug screen to determine participant qualification or eligibility. Additionally, in order to become licensed, many states will inquire as to whether the applicant has been convicted of a misdemeanor, a felony, or a felonious or illegal act associated with alcohol and/or substance abuse.

Course Changes and Resignation

Students may change their course schedule by adding and dropping courses according to the deadlines printed in that term's class schedule booklet (also see Dropping a Course[s] below). Before making such changes, the student should carefully check compliance with the course load requirements listed above. **Dropping below full-time status may adversely affect a student's financial aid and housing.** Students may also resign from the University following the deadlines listed in that term's class schedule booklet. A student will receive a W grade if dropping a course after a certain point in the term, and an R grade if resigning after a certain point. Neither grade, however, will affect a student's grade point average.

Dropping a Course(s)

Students who need to drop courses should log on to my.pitt.edu where they can change their schedule via adding or dropping a class through the end of the add/drop period. After the add/drop deadline established for the term or session, students cannot drop a course(s) but may withdraw through the Office of the Campus Dean.

Specific dates for every add/drop period are published in the Schedule of Classes. Students who decide not to attend the University may drop all of the courses they are registered for during the add/drop period with no financial liability. Students who make this decision after the add/drop period must process a resignation form through the Office of Student Accounts.

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.

Academic Standing, Probation, and Suspension

These guidelines are solely for the purpose of determining academic probation, suspension, and dismissal. While these are minimal standards, any degree, program, or major may set its own higher standards. Those standards take precedence over these.

In determining the academic standing of students, The University of Pittsburgh at Titusville has the right to treat each student's case on its merits. The primary consideration is the probability that the student can meet academic standards and achieve graduation in not more than five full time semesters or their equivalent. The committee may consider courses attempted, credits and grades earned, and the trend of performance.

These guidelines are solely for the purpose of determining academic probation, suspension, and dismissal. While these are minimal standards, any degree, program, or major may set its own higher standards. Those standards take precedence over these.

Probation

1. Students who have attempted 19 hours or less (including transfer credit) and whose cumulative grade point average is below 1.50 will be placed on probation.
2. Students who have attempted 20 to 35 hours (including transfer credit) and whose cumulative grade point average is below 1.75 will be placed on probation.
3. Students who have attempted 36 hours or more (including transfer credit) and whose cumulative grade point average is below 2.00 will be placed on probation.

Suspension

1. Students who are placed on probation for a second consecutive term will be suspended for the following term.
2. Students whose term grade point average is below a 1.00 will be suspended for the following term.

Dismissal

1. Students who are placed on probation for a third term will be dismissed.
2. Students who do not successfully complete any course after three attempts will be dismissed.

Re-admittance for Summer Course Work after Suspension

Students who have been suspended in the spring term may be allowed, with the permission of the Campus Dean, to enroll in course work at Pitt-Titusville during the summer sessions following that particular spring term. A student who moves back to good academic standing through summer course work may request reinstatement to resume studies on continued probation in the following fall term.

Honors

The University is pleased to award honors to students whose academic performance exceeds expectations. At the end of a term students may be recognized as a University Scholar or be placed on the President's or Dean's Lists. To earn academic honors for a term, students must have earned at least 12 credits and have a specific term grade point average. If a course has a mandatory grading system of S/N, grades of N will not be acceptable for University Scholar honors.

Honor	**Term GPA**
University Scholar	4.00
President's List	3.50 to 3.99
Dean's List	3.20 to 3.49

Preparatory Courses

The University offers courses for students who are not well prepared for college level mathematics and writing. To promote the academic progress of students in preparatory courses, students who test or place into MATH 0029, MATH 0030, and/or ENG 0100:

1. Must take those preparatory classes during their first term at the University of Pittsburgh at Titusville and every subsequent term until they are passed.
2. Will not be permitted to withdraw from those classes.
3. Are strongly encouraged to take IL 0210 College Reading and Study Skills.
4. Are strongly encouraged to use the resources of the Learning Center and other academic support services to their full benefit.

Reinstatement

A student with prior UPT credits who left in good academic standing and wants to return within one academic year must complete and submit a routine *Reinstatement Form* to the Registrar's Office.

If a student was on suspension from the university, the student must submit a *Reinstatement Following Suspension Form* and include a statement explaining the circumstances that led to suspension and why they feel they will be successful if given the opportunity to return. Decisions regarding reinstatement are made by the Campus Dean and may include consultation with other campus administrators. Any non-Pitt credits obtained during the time they were on suspension will not be accepted.

Readmittance

A student who has left the University for any reason and remained unregistered for at least one year must apply and be readmitted before resuming his or her program. Students who attend another university during their absence from Pitt-Titusville must be readmitted and submit a transcript for evaluation. Reinstatement and readmission decisions are made through the Office of the Campus Dean. It should be noted that the University of Pittsburgh will not accept credits earned at another institution while the student is on academic suspension or probation at a Pitt campus.

Admittance of Students with Prior Pitt Degrees

Students who have received a prior degree from another University of Pittsburgh campus must reapply through the Admissions Office if pursuing an additional degree.

Academic Integrity

Academic integrity is a moral obligation of both students and faculty; it is expected that both students and faculty behave in a professional manner in the University setting. The following guidelines follow those established by the University of Pittsburgh for each group:

Student Responsibilities

The student must conduct himself or herself in an appropriate manner in and out of the classroom. Principally, this involves doing one's own work at all times and complying with each instructor's class guidelines and requirements, including class attendance. A student violates academic integrity when he or she is involved in any of the following:

1. Cheating (such as unauthorized use of a text or notes during an exam, copying the work of another student, or obtaining and using a copy of an exam in advance of its administration)
2. Plagiarism (presenting as one's own the work of another without proper acknowledgment)
3. Deceitful practice (such as knowingly allowing one's work to be submitted by another student)
4. Class conduct that is so disruptive as to infringe upon the rights of the instructor or fellow students

If a student is involved in any of the preceding, there is a specific set of guidelines explained in the *Student Handbook* for actions that may be taken by the University and for sanctions imposed. This may involve a hearing before the Academic Integrity Board and sanctions ranging from dismissal from the University to failing the course involved.

Faculty Responsibilities

Faculty members also have obligations under the academic integrity guidelines. These include the following:

1. Meeting classes as scheduled
2. Being available for, and keeping, established office hours and appointments
3. Making appropriate preparations for all classes
4. Grading and returning all tests and assignments promptly
5. Describing course goals, prerequisites, and grading procedures before the end of the add/drop period
6. Using good-faith professional judgment as the basis for all academic evaluations
7. Not considering, in academic evaluation, such factors as race, color, religion, ethnicity, national origin, age, sex, sexual orientation, marital, veteran, or disability status
8. Respecting the confidentiality of information regarding a student as stated in University guidelines

9. Not exploiting their professional relationship with a student for private or personal advantage
10. Respecting the dignity of students, individually and collectively, in the classroom and other academic settings

If a student feels that any of these have been violated by a professor, he or she should seek appropriate judgment of the grievance by the Campus Dean.

Hybrid Courses

All hybrid/blended courses must provide 50% or more of the instruction in a face-to-face modality. For a three credit course, this would amount to 22.5 hours of face-to-face contact. The percentage of face-to-face (in classroom) hours and the percentage of online hours must be stipulated in the course syllabus so that the expectations are clear to students.

Grades

The following is a list of grades used by the University of Pittsburgh at Titusville and their numerical value, which is used to calculate a student's grade point average:

A+ = 4.00

A = 4.00 Superior attainment

A- = 3.75

B+ = 3.25

B = 3.00 Meritorious attainment

B- = 2.75

C+ = 2.25

C = 2.00 Adequate attainment

C- = 1.75

D+ = 1.25

D = 1.00 Minimal attainment

D- = 0.75

F = 0 Failure

A final grade in a course represents the cumulative evaluation and judgment of the faculty member placed in charge of that course. If a student feels the final grade or an academic decision in a course was not determined in accordance with university policies or was determined arbitrarily, the student may appeal by adhering to the procedure described in the Student Handbook.

It is the responsibility of the student, before seeking to have a grievance adjudicated, to attempt to resolve the matter by personal conference with the faculty member concerned, and, if such attempts are unsuccessful, to call the matter to the attention of the Campus Dean for consideration and adjustment by informal means. If a matter remains unresolved after such efforts have been made, the grievance procedures shall be employed.

This grievance procedure must be initiated by the student and the written statement of charges must be received by the Campus Dean within the first ten (10) regularly scheduled class meeting days of the term immediately following the term in which the appealed grade was received. The written statement must be an accurate and complete statement of all facts pertaining to the matter.

Complete details pertaining to this policy can be found in the Policy Manual of the University of Pittsburgh, Academic Affairs, Academic Integrity, Guidelines on Academic Integrity-Student and Faculty Obligations and Hearing Procedures, Document Number 02-03-01.

Other Grades

The following entries may also be made on a student's transcript:

G	Work incomplete for reasons beyond the control of the student. Proper forms must be filed in the Office of the Dean explaining why a G grade should be given and what work must be made up to complete the course. The student must make up the course work during his or her next fall or spring term. Failure to complete the course work will result in loss of the credits earned in the course.
N	Noncredit audit. If a student wishes to audit a course, then he or she must file the appropriate grade option form with the Office of the Registrar no later than one week after the end of the add/drop period.
W	Withdrawal from a course with no penalty and no credit
R	Resignation from all courses and the University
S	Satisfactory completion of course requirements
U	Unsatisfactory completion of course requirements
LG	Letter Grade option
S/NC	Satisfactory/Audit option
LG/NC	Letter Grade and Satisfactory/Audit option

Transfer Credits

A student who has earned credits at another college, university, or post secondary educational institution may have the credits evaluated for transfer into the University of Pittsburgh at Titusville. Official transcripts are evaluated and are subject to the individual requirements of the program to which a student is applying. Credit cannot be given for courses taken at another university while the student is on probation or suspension from any University of Pittsburgh campus. The following general rules will apply in most cases:

1. Credits will be considered for transfer based on course equivalencies. The University will not refuse to consider transfer credit based on accreditation of the sending institution.
2. Course work must have been completed in the last 12 years prior to matriculation (courses in some programs require a shorter time frame)
3. Course work must have been completed with a grade of C or better (C- is not acceptable)
4. Transfer courses that are part of a sequence may or may not be transferrable depending on requirements of the specific program for which the student is enrolling
5. The maximum number of credits that the University of Pittsburgh at Titusville will transfer toward an associate degree is 30.
6. The number of credits granted for a course cannot exceed those on the transcript from the school where they were earned; nor can they exceed the number of credits for the corresponding course at UPT.
7. Quarter credit hours are considered as follows: 5 quarter credit hours = 3 semester credit hours; 3 quarter credit hours = 1 UPT semester credit hour

Cross Registration

Only students who are on unrestricted academic standing at Pitt-Titusville will be allowed to cross register during the fall and spring terms. Cross registration is limited to two courses or eight credits per term or session. Students enrolled at Pitt-Titusville wishing to take courses at another University or at another University of Pittsburgh campus must receive written permission of the Campus Dean.

Course Repetitions

In general, students are allowed to repeat courses at the University of Pittsburgh at Titusville. The last grade earned is the one used in calculating credits to be awarded and in computing the GPA. In other words, grades are not averaged when a course is repeated. Course repetitions are limited in the PTA and Nursing programs. Contact these program offices for more specific information about the course progression requirements. Students are encouraged, and sometimes required, to repeat courses in which they have earned less than a C- grade. This policy is limited, however, by the following exceptions:

1. No sequence course may be repeated for credit after a higher-numbered course in the same area has been passed.
2. No course may be repeated more than twice except by special permission of the instructor and the Campus Dean. In no case will a student be allowed to repeat a course more than three times. *NOTE: If the student has received a W or an R in a course, this rule does not apply.*
3. No course may be repeated for credit at another institution outside of the University of Pittsburgh system. Nursing students enrolled in the Associate of Science in Nursing degree program are subject to additional curriculum policy requirements including the policy that no course may be repeated more than once. See the Nursing Program Curriculum Policy for more details.

Second Associate Degree

A student wishing to earn two or more associate degrees may do so by completing the following:

1. The associate degree general and core requirements and
2. The concentration requirements for each degree sought

Courses used to fulfill concentration requirements for one associate degree may not be used to fulfill concentration requirements for another. Thus, a student would need a minimum of 15 additional credits to earn a second associate degree.

Academic Internship(s)

An academic internship is a method of receiving academic credit for work experience gained in a "real world" environment related to a specific field of study.

UPT offers the Opportunity for Internships in the following areas:

ACCT 1399 - ACCOUNTING INTERNSHIP
BIS 1399 - INFORMATION SYSTEMS INTERNSHIP
BUS 1399 - BUSINESS MANAGEMENT INTERNSHIP
CS 1399 - COMPUTER SCIENCE INTERNSHIP
HRP 0080 - HEALTH SCIENCES INTERNSHIP
HUSERV 0399 - HUMAN SERVICES INTERNSHIP

Certain regulations and requirements must be observed which are as follows:

1. The Student:

1. Students must have completed a minimum of 30-45 credits, depending on the program requirements in the course syllabus, with a **minimum overall GPA of 2.5** in their associate degree program.
2. Students must have grades **no lower than "C"** in their major courses (ACCT, BIS, BUS, HRP, HUSERV) to be eligible for an internship.
3. The student is required to attend an Internship Preparedness Session with the Internship Coordinator/Supervisor at UPT before the internship can begin and at which time they will be given a copy of the course syllabus. Internships can be completed in the fall, spring or summer semesters but must be arranged before the semester begins.
4. The student may begin the internship before registering for the class; however, registration must take place during a regular registration period.
5. No more than three credits can be earned through the same position.
6. The internship may be in a paid or unpaid position.
7. The student cannot do an internship in an organization where he/she is currently employed. Exceptions may be granted by the Internship Coordinator if 1) the student will be assigned new tasks related to the internship and 2) adequate supervision is maintained.

2. The Internship Coordinator:

The Internship Coordinator/Supervisor at UPT and the student are jointly responsible for finding the internship location. The student's Academic Advisor is a key figure and should be included in all transactions. No internship site

will be approved until a visit to the site has been completed by the Internship Coordinator/Supervisor. The position must be one that allows the student to use the skills acquired in the pursuit of the degree.

3. Required Internship Documents:

The student will complete and provide to their Faculty Advisor the following documents (may be obtained from the Academic Affairs Office) before the internship begins:

1. The official Undergraduate Internship Contract with a description of the project/objectives or job duties on the internship site signed by the student, the Internship Site Supervisor, UPT's Internship Supervisor/ Coordinator and Academic Dean.
2. A current resume
3. A letter from the work site offering the student an internship.
4. Class registration form signed by the Faculty Advisor, Internship Coordinator/Supervisor and Academic Dean.
5. Depending on the job requirements, some internships may require the students to obtain additional documents such as a criminal background check, an act 33/34 clearance, an act 151 child abuse background clearance, drug-testing, Hepatitis B vaccination, HIPPA training, bloodborne pathogen training, etc. These would be the responsibility of the student to obtain before beginning the internship. Additionally, in order to obtain licensing if required in certain areas, many states will inquire as to whether the applicant has been convicted of a misdemeanor, a felony, or a felonious or illegal act associated with alcohol and/or substance abuse. Also, some internship sites require liability insurance, which would be included as part of the course fee and arranged through UPT.

4. Evaluation and Grading Procedure:

1. Individual meetings with the student and their Faculty Advisor during the internship period may be required. These meetings may take place at the internship site.
2. A "Student Midpoint Performance Appraisal" form and "Student Intern Final Performance Appraisal" form must be completed by the Internship Employer and submitted to the Faculty Advisor before the final grade can be awarded. Standard forms are available; however, the program area may use forms specific to their needs.
3. The grade will be awarded by the Faculty Advisor after meeting with the student at the internship site, reviewing the midterm and final evaluations, and after the student has completed all internship requirements outlined on the course syllabus.

5. Table of Credits Earned/Academic Assignments Required*

***per A&S faculty teaching guidelines**

No. of credits to be earned	**No. of hours at the internship site**	**Academic Assignment Required**
1 credit	40 hours	Topical paper (5 pages in length) that integrates the intern's experience with topics within the academic discipline approved by the UPT internship supervisor
2 credits	80 hours	Topical paper (10 pages in length) that integrates the intern's experience with topics within the academic discipline approved by the UPT internship supervisor.

		AND Portfolio containing samples of student's work at the internship site OR Reflective Journal
3 credits	120 hours	Topical paper (15-20 pages) that integrates the intern's experience with topics within the academic discipline approved by the UPT internship supervisor. AND Portfolio containing samples of student's work at the internship site OR Reflective Journal

Academic Honors

Term Honors

The University of Pittsburgh at Titusville has the following policy:

University Scholar = GPA of 4.00

President's List = GPA of 3.50-3.99

Dean's List = GPA of 3.20-3.49

To receive honors recognition for the term, a student must have earned at least 12 credits. If a course has a mandatory grading system of S/NC, NC grades will not be acceptable for University Scholar honors.

Graduation Honors

Students completing an associate degree who have attained an outstanding scholastic record are graduated with honors. To qualify for university honors, a student must have attained a cumulative GPA of 3.25 for cum laude, 3.50 for magna cum laude, and 3.75 for summa cum laude, and this recognition is noted on the student's diploma and transcript. To qualify for program honors, a student must have attained a cumulative GPA of 3.20 or above, and this recognition is noted on the student's transcript. Honors are calculated only after a student has completed a minimum of 60 credits at the University of Pittsburgh.

Phi Theta Kappa

This International Honor Society of the Two-Year College recognizes the promotion of scholarship, the development of leadership and service, and the cultivation of fellowship among qualified students. The Alpha Pi Zeta Chapter on the campus of the University of Pittsburgh at Titusville invites students for membership who have completed a minimum of 15 credits with a cumulative GPA of 3.50 or above and who have demonstrated good moral character with recognized qualities of citizenship.

Statement of Compliance Regarding VA Educational Beneficiaries - 38 US Code Section 3679(e)

As a matter of policy, the University of Pittsburgh allows students identified as *covered individuals** to attend and participate in all course(s) of education for any given term in which the student has been certified for VA educational benefits. This policy includes those circumstances in which VA payment(s) for student tuition and fees is late or delayed for up to 90 days after date of certification. The University retains the right to impose late fees upon those students who incur or retain an outstanding balance beyond the amount of expected VA tuition & fee payment for the term.

* Note: VA defines a **Covered Individual** as any individual who is entitled to VA educational assistance under the VA's Vocational Rehabilitation and Employment program (38 U.S. Code Chapter 31) or the VA's Post-9/11 GI Bill® (38 U.S. Code Chapter 33).

("GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at www.benefits.va.gov/gibill.)

Other University Policies

University Policies

Affirmative Action and University of Pittsburgh Nondiscrimination Policy Statement

The University of Pittsburgh, as an educastional 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 enage in discrimination or harassment on the basis of race, color, religion, national origin, ancestry,m 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 Diversity and Inclusion, Cheryl Ruffin, Institutional Equity Manager, 4415 Fifth Avenue, 2nd Floor Webster 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.

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 Ethical Guidelines for Computing, available in campus computing labs or online at http://technology.pitt.edu/security/compliance/acceptable-use.html for details.

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

Drug-free Workplace/Drug-free Schools 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 within 30 days, 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.

Faculty-Student Relationship Policy

The University of Pittsburgh'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 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.

Family Educational Rights and Privacy Act

In compliance with the Family Educational Rights and Privacy Act of 1974, 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 procedure. 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.

For more information, students may contact the Office of Student Services, 504 East Main Street, Titusville, PA 16354, or call 814-827-4470.

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

All incoming full-time students must submit proof of immunization as required against Measles (Rubella), German Measles (Rubella) and Mumps. Two doses of the MMR (Measles, Mumps, and Rubella) vaccine or a current MMR (within three years) satisfies the University of Pittsburgh immunization requirement; however, resident students must also provide proof of meningitis vaccine or sign a waiver. All full-time students must provide to the University Student Health Center a copy of their immunization record, that includes month, day, and year the immunizations were administered and the physician signature stamp must be on the record. Once received, it must be kept on file in the Student Health Center. A student may be granted a medical exemption from immunization based on health or religious beliefs. Incoming full-time students, who after receipt of notification by the University that their immunization records are incomplete and fail to provide proof of immunization or written request for exemption as described above, will be prohibited from registering for any classes and will not be assigned housing.

Students enrolled in the Nursing program have additional health screening requirements and immunization requirements. Contact the Office of the Nursing Program for more details.

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 patent rights and technology transfer 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 the University policy are available from the Office of Technology Transfer and Intellectual Property.

Research Integrity

The University of Pittsburgh seeks excellence in the discovery and dissemination of knowledge. Excellence in scholarship requires all members of the University community to adhere strictly to the highest standards of integrity with regard to research, instruction, and evaluation. Research misconduct carries potential for serious harm to the University community, to the integrity of science, and to society as a whole.

Sexual Harassment Policy

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. For information regarding sexual harassment policy at the University of Pittsburgh, see http://www.cfo.pitt.edu/policies/documents/policy06-05-01web.pdf. Additional information and reporting options of sexual harassment and sexual assault are available at http://www.upt.pitt.edu/sexual-assault-awareness-and-prevention-0.

Smoking Policy

This policy is in compliance with University of Pittsburgh regulations effective February 1, 1991, "restricting smoking in University of Pittsburgh facilities at all campuses."

Policy: Smoking is prohibited in all University owned and leased facilities, and in all University vehicles and has been revised to prohibit smoking within fifteen (15) feet of all University building primary entrances and Heating, Ventilation, and Air Conditioning (HVAC) intake vents.

The Human Resources directive provides the following details:
"Primary entrances shall be defined as the common public access points to each building, and is not intended for doors exclusively designated as emergency exits only or as service entrances. Note: portions of loading docks that are under building cover and interior garages shall be considered as inside the building and smoking shall be prohibited."

Contact the Affirmative Action Officer at 412-648-7860 for questions on the policy or its application.

Student Code of Conduct

The purpose of the Student Code of Conduct is to outline nonacademic standards of conduct appropriate to the University in conjunction with the educational goals of the University. The code shall apply to all undergraduate students registered at the University of Pittsburgh at Titusville. Any member of the University community may institute a proceeding against a student by filing a complaint in the Office of Student Life. For a copy of the code, please contact the Office of Student Life in the J. Curtis McKinney II Student Union, Room 217, 814-827-4455.

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.

Financial Information

Bennett Davis Hall
504 East Main Street
Titusville, PA 16354
Phone: 814-827-4495
Fax: 814-827-4522

Pitt-Titusville has established a program of financial aid to provide assistance to students whose resources cannot meet the total cost of education. Students are encouraged to apply for financial aid and to explore all potential sources of financial assistance including state, federal, and community sources, as well as the University.

Students may receive various types of financial assistance from a variety of government, university, and privately-sponsored programs including grants and scholarships (direct awards with no repayment required), loans (normally offered at relatively low interest with repayment due in small installments after the student leaves college), and/or campus-based employment. Additional information and appropriate applications may be obtained from the Office of Financial Aid.

Students should also check with their high school guidance office for additional grants and scholarships that may be available locally.

Financial Aid Application Procedure

To be considered for financial aid, students must file the Free Application for Federal Student Aid (FAFSA). A variety of factors are typically considered in determining eligibility, including college costs, family contributions, student earnings, family size, savings, and date of submission of all appropriate financial aid materials.

Financial aid awards are made for one academic year, and eligibility must be determined on an annual basis. Therefore students must file a FAFSA each year. Students must show continued need, and must submit all appropriate applications each year within established deadlines, as well as meet all federal regulations regarding verification if selected (this may include submitting tax transcripts and other supporting documents). In addition, students must be in good academic standing and must show satisfactory academic progress toward their degree, as defined below, to be eligible to receive, or to continue to receive financial aid.

Detailed information about all financial aid programs, including financial aid policies, application procedures, and deadlines, in addition to financial aid applications, can be obtained from the Office of Financial Aid. Individual appointments can be made Monday through Friday, 8:30 a.m.-5 p.m.

Satisfactory Academic Progress Policy

Federal regulations require that the University of Pittsburgh at Titusville's Office of Financial Aid monitor the Satisfactory Academic Progress of all students applying for, or receiving financial aid. The programs governed by these regulations are known as Federal Title IV Aid and include: Federal Direct Parent PLUS Loan, Federal Direct Loan (Subsidized/Unsubsidized), Federal Supplemental Educational Opportunity Grant (SEOG), Federal Work-Study, Federal Pell Grant, and most University aid. This standard does not apply to tuition remission for dependents of Pitt employees, some outside scholarships, or state student incentive grants (i.e., PHEAA. State Grants). State agencies awarding state grants establish their own academic standard.

All students who meet the Satisfactory Academic Progress requirements will be assigned a Satisfactory Academic Progress indicator for the upcoming school year.

Satisfactory Academic Progress is checked one again, after spring term and determines a students status for two upcoming terms.

Satisfactory Academic Progress (SAP) standards include three components:

1. **GPA Requirement.**
   Students must achieve a 1.50 minimum cumulative GPA if below 30 credits, and a 2.00 cumulative GPA if the student has earned 31 or more credits.
2. **Pace of Completion.**
   Students must maintain a minimum 67% cumulative course completion rate based on cumulative credits attempted and cumulative credits completed. All courses with a passing or failing grade will be counted as credits attempted.
3. **Attempted Credits/Program Length.**
   Credits attempted by a student cannot exceed 150% of the credits required as defined by the University's published length of the specific program. For example, for a 2 year degree (60 credits), a student must complete their program within 90 credits.

All courses with a passing or failing grade will be counted as credits attempted. All courses with a grade designated as G, I, R, or W will be counted as credits attempted. Credits on all repeated courses will be counted as credits attempted. Transfer credits from another school will be counted both in terms of hours attempted and hours completed in SAP evaluation. Reinstated students do not have prior attempted credits excluded from the determination for student aid eligibility, as required by federal regulations.

Unsatisfactory Progress

Those not making progress will be dropped to "not meet progress" and be denied student aid for any upcoming enrollment period until they have met the requirements for satisfactory academic progress. Students academically dismissed are automatically ineligible for further financial aid.

The student can regain Satisfactory Academic Progress after being placed on Not Meet Progress by:

- Registering and paying for classes using his/her own funds. Students may wish to consider the PittPAY Payment PLAN or certain alternative loans that do not require SAP. Upon meeting financial aid satisfactory academic progress criteria as stated above, the student must request financial aid reinstatement and complete a Free Application for Federal Student Aid (FAFSA), OR
- The student may appeal the loss of financial aid eligibility if a student has experienced circumstances beyond control that have kept them from maintaining satisfactory academic progress. After review by the Financial Aid Office, if an appeal is reviewed favorably, the student will be granted one term of Probation for financial aid and eligibility will be reinstated for one payment period. Students must be able to demonstrate that they will be able to meet SAP standards at the end of the next payment period. In cases where it is not possible for a student to meet minimum requirements for Satisfactory Academic Progress in one term, the student can be placed on an academic plan. If the academic plan is approved, the student's financial aid eligibility will be reinstated for one payment period. Students must meet the requirements of the academic plan at the end of the payment period to be eligible to receive aid for subsequent terms. The student will remain on the academic plan until they have met the Satisfactory Academic Progress requirements. Please contact the Financial Aid Office for more information on the appeals process.

PHEAA State Grant Program

In addition to the general Satisfactory Academic Progress guidelines, undergraduate students receiving a PHEAA State Grant are subject to a separate satisfactory academic progress review. Students that receive the PA State Grant are

required to complete a minimum of 12 credits for each full-time PHEAA grant received or a minimum of 6 credits for each part-time PHEAA grant received in the most recent completed academic year.

For more specific information, please contact the Office of Financial Aid.

Financial Assistance Programs

By completing the FAFSA application process outlined above, students are applying for:

Federal Pell Grant-federal entitlement program providing assistance to qualified applicants;

Federal Supplemental Opportunity Grant (SEOG)-institutionally controlled federal grant program awarded on the basis of significant financial need and available funding (must be Federal Pell Grant eligible to receive);

Federal Work Study-on-campus employment program supported by federal and institutional funds;

PHEAA Grant-state-sponsored grant program available to eligible Pennsylvania residents;

In addition, students are eligible to apply for Federal Direct Subsidized and/or Unsubsidized Loans and Federal Direct Parent PLUS loans. Students who receive loans are reminded of their repayment obligations. Promissory notes will detail these obligations.

Veterans' Educational Benefits

For questions and information regarding educational benefits for veterans or spouses and children of service connected disabled veterans, visit our Web site at:www.titusville.pitt.edu/financial-aid/veterans. and click on Veterans' Services under the Prospective Students index tab. You may also call the Titusville Certifying Official at 814-827-4495.

University Scholarships and Grants

Donor Scholarships -- Pitt-Titusville awards several scholarships made possible by gifts from private donors and direct institutional funds based on a student's high school academic achievements. Admitted students are considered for assistance from all sources offered by the college.

All donor scholarships require the student complete a FAFSA application and be enrolled full-time and continuously during the academic year. These scholarships are awardable for a maximum of two academic years (August-April) - Summers not included. In order to renew for a second year, a student must have a minimum cumulative 2.85 GPA. The following are the specific awards and their additional specific eligibility criteria:

The DeFrees Family Foundation Scholarship-awarded to students enrolled at Pitt-Titusville from Warren County

Ruth R. Gilson Scholarships-awarded to Titusville High School graduates

Betty Root Scholarships (in memory of Delbert Proper and Jessie Lamberton Proper)-awarded to students who are accepted into our Nursing Program who are graduates of Maplewood High School

The Campbell and Panizza Family Scholarships-awarded first to graduates of Fort Cherry or Monesson High Schools, then to students from Monessen or McDonald, PA, then to students from Fayette, Washington and Westmoreland counties.

Ben McEnteer Scholarship Fund-awarded to deserving full-time students

John Hugh Erickson II Memorial Scholarship-awarded to deserving full-time students

Marshall A. Fisher Scholarship-available to graduates of Titusville Area High School (application forms are available in the high school guidance office)

Walter Scott Kriner Family Scholarship-awarded to deserving full-time students

Ki R. Shim, PhD. and Chungja C. Shim M.D. scholarship fund-awarded to deserving full-time students

Emil M. and Kathleen M. Spadafore Endowed Fund for Student Resources-awarded to deserving full-time students

Merit Scholarships-Pitt-Titusville Merit Scholarship is awarded based on a student's cumulative high school GPA and SAT or ACT scores to newly admitted first time freshmen who plan to enroll full-time and live on campus. It is renewable for the second year only at the Titusville campus if the student remains a full-time, on-campus student with minimum 2.0 overall GPA.

For more specific details on each of these scholarships, please visit https://www.titusville.pitt.edu/financial-aid/types-financial-aid/upt-scholarships

Tuition, Fees, and Other Charges

The following are the costs for the 2017-2018 academic year (subject to change each academic year).

The University of Pittsburgh reserves the right to change the tuition rate and fees at any time without advance notice.

The University's tuition and mandatory fee rates are available on the Tuition 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.

Application fee (non refundable)	$45 one time
Tuition deposit (non refundable) (applied to first term's tuition)	$100
Tuition-Housing deposit (combined)	$200

The difference between in-state and out-of-state tuition is provided through an appropriation from the Commonwealth of Pennsylvania (see Eligibility for Reduced Tuition).

Room charge, double	$2,752 per term
Room charge, single (incl. $300 surcharge)	$3,052 per term
Private room surcharge	$300 per term
Board:	
Unlimited Block plus 50 Flex Dollars	$2,587 per term
Unlimited Block	$2,537 per term
225 Block plus 100 Flex Dollars	$2,240 per term
225 Block	$2,140 per term
Commuter Charges:	
75 meals plus 100 flex dollars	$738 per term
25 meals plus 100 flex dollars	$300 per term
10 meals plus 100 flex dollars	$180 per term

All full-time students who do not reside with their parents are required to live in University housing unless a waiver is granted by the Campus Dean. Resident students are required to take a board plan. Part-time students (fewer than 12 credits) are not eligible for University housing. Room and Board charges will be prorated from the date of departure for resignations.

Course Fees	
Physical education fee	$10 per course
Studio Arts fee	$20 per course
Chemistry lab fee (applies also to Organic Chemistry labs)	$50 per course
Biology lab fee (applies also to Microbiology and A & P labs)	$50 per course
Human Body System lab fee	$25 per course
Geology lab fee	$50 per course
Microbiology lab fee	$50 per course
PTA lab fee, basic	$25 per course
PTA lab fee, advanced	$50 per course
Nursing fundamentals lab fee	$75 per course
Nursing lab fee	$35 per course
Nursing 3-day licensing seminar fee (Role Development)	$35 NUR 0525

An additional charge for excessive breakage will be made in all lab courses.

Service Fees	
Late registration fee	$25
Late add or drop fee	$25 each transaction
Late graduation application fee	$25
Official Transcript preparation fee	$6 per transcript
Late payment fee	$50
Returned check fee	$30 per check
Challenge Exam fee	$75 per exam
ID card replacement	$20 each time
Senior/Guest Student fee	$25 per course

Student Parking Permit Fee	$10

Eligibility for Reduced Tuition

Tuition rates for the University of Pittsburgh 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 attending any college or university in the state may be eligible for reduced tuition rates. To be eligible, the student must be a citizen of the United States or have an immigrant or permanent resident visa. For a student under 21 years of age, both the student and parents or legal guardian must reside in Pennsylvania.

Copies of Guidelines and Procedures for Determining Eligibility for Reduced Tuition Rates are available upon request in the Office of Admissions. Any admitted student may petition for reduced tuition rates by supplying convincing evidence to be reviewed by the Campus Dean.

To be effective for a particular term, petitions must be submitted within the first 30 calendar days of the term. NO DUE DATES WILL BE EXTENDED, NOR WILL LATE PAYMENT OR LATE REGISTRATION FEES BE WAIVED FOR ANY REASON RELATED TO THE DETERMINATIONS OF ELIGIBILITY FOR REDUCED TUITION.

Only the Campus Dean may evaluate eligibility for tuition purposes. Students who change their domicile from Pennsylvania to another state must promptly give written notice to the Office of Admissions.

Students under 21 years of age must report a change in their parents' or legal guardians' address.

Students who are found eligible for resident tuition rates at the time of initial classification due to an error in classification are subject to retroactive reclassification as nonresidents and are responsible for the payment of all related tuition and fees.

Students who are found eligible for reduced tuition rates as a result of facts concealed or falsified at the time of initial classification are subject to University discipline and legal action and are responsible for the payment of all nonresident tuition and fees, including legal fees.

Payment Policies

Students and their Authorized Users will be notified by email periodically before the due date if there is a balance due on the student account. Monitor the Account Summary and Account Activity tabs in PittPAY to see your account activity, account balance, and due date.

Pending loans will be counted as a credit to the student's account as Anticipated Aid on the Account Activity tab in PittPAY for 60 days. If the loans are not finalized by the end of 60 days, the loan amount(s) will be added back into the total amount due and become the responsibility of the student.

Any payments made by check should include the student ID on the check.

REGISTRATION FOR ANY SUBSEQUENT TERM WILL NOT BE PERMITTED UNTIL AN ACCOUNT IS COMPLETELY SETTLED.

Payment Plan Option

You may pay your balance due in full by your due date, or you can elect to enroll in an optional PittPAY Payment Plan and pay in installments over time instead. Our optional Payment Plan is designed to help families spread out balance due on the student account over a series of regular installments.

Depending on the date you enroll in a Payment Plan, you may be eligible for up to six installments for fall or spring terms, or up to 3 installments for summer term. Payment Plan installments will be automatically deducted on the 5th of each month from the bank account or credit card you specify when enrolling in the plan.

There is a $45 sign-up fee for each term-based payment plan. Monthly installment payments are automatically debited each month from the bank account or credit card you designate when you enroll in a plan. There is a 2.75% nonrefundable convenience fee if you elect to make installment payments by Discover Card, MasterCard, or VISA; installments paid by eCheck are processed for no additional charge.

Late Fees

If a balance due is not paid by the due date, late payment fees will be charged. Repeated failures to pay will also incur financial holds and withholding of transcripts and/or grades. **No student will be allowed to register for a subsequent term until the current term's account is fully settled.** Past due accounts will also be referred for collection.

Registration Status

A student who is registered for 12 or more credits, or the equivalent, during the fall, spring, and/or summer term is considered to have full-time status for that term. Students registered for less than 12 credits are considered part-time.

A student's registration status is active when admitted and enrolled in the term of admission. A student must register for at least one credit in a 12-month period in order to maintain active status.

Termination of Registration by the Add/Drop Process

Students may terminate registration for all classes by informing the Office of Student Services of their intent to do so **prior** to the end of the add/drop period for the term.

Termination of Registration by the Resignation Process

After the end of the add/drop period for the term, students must resign through the Office of Student Services.

An official resignation occurs when the student notifies the Office of Student Services of his or her intent to terminate his or her registration for all classes after the end of that term/session's add/drop period, but no later than the 60 percent point (in time) of the term or session.

After the 60 percent point of the term or session, students can only terminate their registration by withdrawing through the Office of the Campus Dean.

Failing to attend the classes for which a student is registered or failing to notify the appropriate academic and 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.

The effective date of resignation is determined by one of the following: (1) the date of in-person contact with the Office of Student Services or the Campus Dean, (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 notification by telephone or e-mail.

Charges When Dropping a Course(s)

When a student drops a course or courses, there is no tuition charge if the course(s) is/are dropped before the add/drop period ends. After the add/drop period ends, no refund of tuition or fees will be given unless a student resigns (drops all courses); then a prorated refund may be given during a limited time frame.

Title IV Refund Policy

Adjustments to tuition charges resulting from official resignations are based on the effective date of the resignation and 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%. If the resignation occurs after 60% of the term is completed, the percentage is equal to 100%. The amount of Title IV aid which must be returned is based on the percentage of "unearned" aid. That percentage is computed by subtracting earned aid from 100%. 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 or all of their 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 Family Education Loans (FFEL) 2. Subsidized Federal Family Education Loans (FFEL) 3. FFEL PLUS loans 4. Federal Pell Grants 5. Federal Supplemental Educational Opportunity Grant (SEOG) program 6. Other Title IV assistance for which a return of funds is required 7. Other federal, state, private, or institutional financial assistance.

1. Title IV Programs
    1. Federal Direct Unsubsidized Loans
    2. Federal Direct Subsidized Loans
    3. Direct Plus Loans
    4. Federal Pell Grants
    5. Federal Supplemental Ed. Opportunity Grants (FSEOG)
    6. Any other Title IV program
2. Non-Title IV Programs (refunded according to resignation percentage)
    1. Institutional Loans
    2. Institutional Scholarships and/or Grants
    3. Private Scholarships
    4. Private Loans
    5. State Grants

Tuition and Mandatory Fees

Pennsylvania Resident Tuition Rates

School	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Credit

Titusville Campus (except Nursing)	$11,176	$5,588	$465
Nursing	$16,254	$8,127	$677

Out-of-State Resident Tuition Rates

School	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Credit
Titusville Campus (except Nursing)	$21,116	$10,558	$879
Nursing	$30,236	$15,118	$1,259

Mandatory Fees

Undergraduate

Fee	Full-Time Per Academic Year	Full-Time Per Term	Part-Time Per Term
Student Activity Fee	$180	$90	$15
Wellness Fee	$100	$50	$0
Computing and Network Services Fee	$350	$175	$100
Student Recreation Fee	$200	$100	$20
	----	----	----
TOTAL	$830	$415	$135

Due Date Schedule

Periodic Balance Due Notifications are sent by email and text to students and their Authorized Users from pittpay@pitt.edu when there is a balance due on the student account. To view and edit your email and mobile phone number settings for these notifications, login to PittPAY, select Actions, then Manage Notifications.

Term	Periodic Balance Due Notifications Begin:	Balance is Due:

Summer 2018	April 25, 2018 May 23, 2018 June 20, 2018	May 20, 2018 June 20, 2018 July 20, 2018
Fall 2018	July 25, 2018	September 19, 2018
Spring 2019	November 28, 2018	January 23, 2019

As soon as you make an online payment in PittPAY, your balance due will be updated to reflect the payments. You can view your payment receipt in Transaction History. Late fees, collection costs, and financial holds are placed on past due accounts.

Past Due Accounts & Late Fees

Periodic notifications will be sent to students and their Authorized Users from pittpay@pitt.edu when there is a balance due on the student account. Late fees and financial holds are placed on past due accounts. In addition, accounts that remain seriously past due are referred to University Collections and may be assessed an additional $100 Collection Fee.

A financial hold prevents registration for classes for a new term and prevents access to grades, transcripts, and diplomas. The hold is automatically released once the past due balance is paid in full.

Please note, dates provided here are for planning purposes. The dates for future terms are estimates, and are subject to change. When balance due notifications begin for each new term, the official due date will be presented in PittPAY on the Account Summary and Account Activity tabs. The current due date is always provided on the Student Payment Center's homepage, as well. Fees and Financial Holds are placed the day after the due date

Term	**Due Date**	**Fees and Financial Holds**
Summer 2019	May 22, 2019 June 19, 2019	May 23, 2019 $50 late fee and financial hold. June 20, 2019 $50 late fee and financial hold. Account may be referred to University Collections.
Fall 2019	September 18, 2019	September 19, 2019 $50 late fee and financial hold. October 17, 2019 $200 late fee and financial hold. November 14, 2019 Account is referred to University Collections and may be assessed $100 Collection Fee.
Spring 2020	January 22, 2020	January 23, 2020 $50 late fee and financial hold. February 20, 2020 $200 late fee and financial hold.

		March 19, 2020 Account is referred to University Collections and may be assessed $100 Collection Fee

Administrative Officers, Schools, and Campuses

Administration

Catherine Koverola, PhD, *President*
David E. Fitz, PhD, *Campus Dean*
Richard T. Esch, *Vice President for Business Affairs*

Emeritus Faculty

Joe M. Ball, *President* (Deceased)
Lois J. Hayweiser, *Associate Professor, Psychology (Deceased)*
James R. Messmer, *Associate Professor of Physics*
Margaret H. Peaslee, *Vice President for Academic Affairs and Professor of Biology* (*Deceased)*
Ki R. Shim, *Associate Professor, Economics*
Michael A. Worman, *President*

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

Adams, Rachele L., MS, Mathematics Education, University of Tennessee (2005); *Visiting Instructor of Mathematics*

Atteberry, Phillip D., PhD, English, Washington University (1983); *Associate Professor, English.*

Bouthellier, Paul R., DSc, Systems Science and Mathematics, Washington University (1990); *Associate Professor, Mathematics and Computer Science.*

Carbaugh, Joyce D., BS, Physical Education, Slippery Rock University (1992), *Instructor and Academic Coordinator of Clinical Education in the Physical Therapist Program.*

Carr, Lawrence A., MBA, Clarion University of Pennsylvania (1982); *Assistant Professor of Business.*

Caton, Mary Ann, MA, History, Clarion University of Pennsylvania (1977); *Liberal Arts Area Chairperson, Assistant Professor, History and Political Science.*

Choo, Charles C., PhD, Theoretical Physics, University of Notre Dame (1988), *Assistant Professor, Physics, Mathematics, and Computer Science.*

Choo, Robin E., PhD, Toxicology, University of Maryland (2005). *Assistant Professor of Natural Science/Biology.*

Daugherty, Mary Jane, MSN, Carlow University (2009). *Instructor of Nursing.*

Dories, Jeffrey S., PhD, English Literature and Criticism, Indiana University of Pennsylvania (2010), *Visiting Assistant Professor of English*

Dubas, Saeed M., PhD, Mathematics, University of Wisconsin-Milwaukee (1999); *Associate Professor, Mathematics and Engineering.*

Flickner, Elizabeth, MSN, Robert Morris University (2015), *Instructor of Nursing*

Guth, Karen E., DPT, Physical Therapy, Rocky Mountain University (2015); *Assistant Professor and Director of the Physical Therapist Assistant Program*

Ledebur, Jeff, MEd, Westminster College (in progress), *Visiting Instructor and Director of the Learning Center.*

McClain, Patricia A., MSN, Carlow Univeristy (2010). *Instructor of Nursing and Director of the Nursing Program.*

Mulcahy, Richard P., PhD, American History, West Virginia University (1988); *Professor, History and Political Science.*

Patterson, Sherri, MSN, Carlow University, (2012); *Instructor of Nursing*

Patton, Susan G., MBA, Business Administration, Clarion University, (1987); *Assistant Professor, Business.*

Peters, Kristi, Ph.D., Biochemistry and Molecular Biology, University of Nebraska Medical Center (1997), *Visiting Assistant Professor of Chemistry*

Reynolds, Kristen, MA, Teaching, Secondary Biological Sciences, Miami University (1999),*Visiting Instructor of Biology*

Terwilliger, Laura, *PhD, Counseling Studies, Edinboro University (2014); Visiting Assistant Professor of Psychology.*

Tress, Nancy Barsic, PhD, Biochemistry, University of Pittsburgh (1994); *Associate Professor, Biology and Natural Sciences Area Chairperson.*

Adjunct Faculty

Bish, Barry, DPT, Pathology
Cubbon, Tiffany, BA, Yoga
Elliot-Disque Sommer, MS, Freshman Seminar
Feroz, Barbara A., MEd, Human Services, PhD, Sociology
Lalone, Melanie, BS, Learning Center Instructor
Larson, Tracey, MA, Communications
Last, Kerri, MSN, CRNP, Nursing
Miller, Harry, BA, Education
Ross, Marc, MLIS, Freshman Seminar
Simon, Margherita M., MA, Studio Arts
Stein, Robert, MS, Administration of Justice
Straub, Marjorie, MS, Computer Science
Watson, William, AS, Computer Science

Pitt-Titusville Advisory Board

Coleman, Stephen C.
Duratz, James J.
Fledderman, Lawrence H.
Jez, Karen
Knepp, Ann H.
McKinney, Catherine Q.
Peterson, John E.
Roeder, Richard W.

Smith, Bruce L.
Spadafore, Emil M. Jr.
Winger, Kenneth E.

General Education Requirements

Competencies

(A minimum grade of C- is required in all competency courses.)

Written Literacy

ENG 0101 - ENGLISH COMPOSITION 1
ENG 0102 - ENGLISH COMPOSITION 2

Mathematics (3 credits in MATH 0031 or Higher)

MATH 0031 - ALGEBRA

MATH 0032 - TRIGONOMETRY AND FUNCTIONS

MATH 0110 - FUNDAMENTALS OF MATHEMATICS

MATH 0120 - BUSINESS CALCULUS

MATH 0200 - PREP FOR SCIENTIFIC CALCULUS

MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2

The Human Experience

Arts and Letters
(Students must complete at least six credits in Arts and Letters. Three credits must be completed in literature or creative, fine, or performing arts.)

Literature

AFRCNA 0150 - AFRICAN AMERICAN LITERATURE

CLASS 1130 /RELGST 1144 - CLASSICAL MYTHOLOGY AND LITERATURE

ENGLIT 0315 - READING POETRY

ENGLIT 0325 - THE SHORT STORY

ENGLIT 0370 - LITERATURE AND IDEAS

ENGLIT 0570 - AMERICAN LITERATURE

ENGLIT 0580 - INTRODUCTION TO SHAKESPEARE

ENGLIT 0625 - DETECTIVE FICTION

ENGLIT 1647 - LITERATURE FOR ADOLESCENTS

RELGST 0135 - CHRISTIAN BIBLE

Creative, Fine, and Performing Arts

AFRCNA 0639/MUSIC 0711 - HISTORY OF JAZZ

HAA 0010 - INTRODUCTION TO WORLD ART

HAA 0020 - INTRODUCTION TO ASIAN ART

HAA 0040 - INTRODUCTION TO WESTERN ARCHITECTURE

HAA 0050 - INTRODUCTION TO MEDIEVAL ART

HAA 0070 - ART OF EUROPE

HAA 0440 - FRANK LLOYD WRIGHT

SA 0120 - PAINTING STUDIO 1

SA 0130 - DRAWING STUDIO 1

Foreign Languages

FR 0101 - ELEMENTARY FRENCH 1

FR 0102 - ELEMENTARY FRENCH 2

SPAN 0101 - ELEMENTARY SPANISH 1

SPAN 0102 - ELEMENTARY SPANISH 2

Behavioral, Economics, and Political Sciences

(Students must complete six credits from at least two different categories.)

Behavioral Sciences

COMM 0101 - INTRO TO HUMAN COMMUNICATION

COMMRC 0520 - PUBLIC SPEAKING

COMMRC 0530 - INTERPERSONAL COMMUNICATION

HUSERV 0331 - INTRODUCTION TO HUMAN SERVICES

PSY 0010 - INTRODUCTION TO PSYCHOLOGY

PSY 0160 - PSYCHOLOGY OF PERSONALITY

PSY 0203 - SOCIAL PSYCHOLOGY

PSY 0265 - DATA ANALYSIS AND RESEARCH WRITING

PSY 0310 - DEVELOPMENTAL PSYCHOLOGY

PSY 0405 - LEARNING AND MOTIVATION

PSY 1205 - ABNORMAL PSYCHOLOGY

SOC 0007 - SOCIAL PROBLEMS

SOC 0010 - INTRODUCTION TO SOCIOLOGY

SOC 0471 - DEVIANCE AND SOCIAL CONTROL

SOC 0472/ADMJ 0600 - INTRODUCTION TO CRIMINOLOGY

SOC 0474/ADMJ 0100 - SOCIETY AND THE LAW

Economics

ECON 0100 - INTRODUCTION TO MICROECONOMIC THEORY

ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

Political Science

PS 0200 - AMERICAN POLITICS

PS 0205 - LAW AND THE COURTS

PS 0500 - INTERNATIONAL RELATIONS

PS 0600 - POLITICAL THEORY

PS 1262 - HEALTH POLICY IN UNITED STATES

History and Philosophical Inquiry

(Students must complete six total credits. Three credits must be in History. The other three credits can be from History or Philosophical Inquiry.)

History

AFRCNA 0629/HIST 0670 - AFRO-AMERICAN HISTORY 1

AFRCNA 0630/HIST 0671 - AFRO-AMERICAN HISTORY 2

HIST 0100 - WESTERN CIVILIZATION 1

HIST 0101 - WESTERN CIVILIZATION 2

HIST 0600 - UNITED STATES TO 1877

HIST 0601 - UNITED STATES 1865-PRESENT

HIST 0678/RELGST 0283 - US AND THE HOLOCAUST

HIST 1656 - AMERICAN WORKERS 20TH CENTURY

RELGST 0135 - CHRISTIAN BIBLE

Philosophical Inquiry

HPS 0437 - DARWINISM AND ITS CRITICS

PHIL 0080 - INTRODUCTION TO PHILOSOPHICAL PROBLEMS

PHIL 0473/RELGST 0715 - PHILOSOPHY OF RELIGION

PHIL 0500 - INTRODUCTION TO LOGIC

PHIL 1303 - EASTERN PHILOSOPHY

Physical, Life and Computational Sciences

(Students must complete at least 3 credits from either the physical of life sciences. The remaining three credits myst be from the computational sciences or from physical or life sciences. The total six credits cannot be from the same category.)

Physical Sciences

CHEM 0106 - CHEMISTRY OF THE ENVIRONMENT

CHEM 0110 - GENERAL CHEMISTRY 1

CHEM 0120 - GENERAL CHEMISTRY 2

CHEM 0310/0330 ORGANIC CHEMISTRY LABORATORY 1

CHEM 0320/0340 ORGANIC CHEMISTRY LABORATORY 2

GEOL 0101 - PHYSICAL GEOLOGY

HRP 0184 - INTRO TO SCIENCE FOR HEALTH PROF

PHYS 0110 - INTRODUCTION TO PHYSICS 1

PHYS 0111 - INTRODUCTION TO PHYSICS 2

PHYS 0174 - BASIC PHYSICS, SCIENCE AND ENGINEERING 1 (INTEGRATED)

PHYS 0175 - BASIC PHYSICS, SCIENCE AND ENGINEERING 2 (INTEGRATED)

PHYS 0212 - INTRODUCTION TO LABORATORY PHYSICS

PHYS 0219 - BASIC LABORATORY PHYSICS SCIENCE AND ENGINEERING

Life Sciences

BIOSC 0050 - FOUNDATIONS OF BIOLOGY LABORATORY 1

BIOSC 0060 - FOUNDATIONS OF BIOLOGY LABORATORY 2

BIOSC 0096 - INTRODUCTION TO HUMAN SYSTEMS

BIOSC 0097 - INTRODUCTION TO HUMAN SYSTEMS LABORATORY

BIOSC 0100 - PREPARATION FOR BIOLOGY

BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1

BIOSC 0160 - FOUNDATIONS OF BIOLOGY 2

BIOSC 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1

BIOSC 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2

BIOSC 0214 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1

BIOSC 0215 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 2

BIOSC 0370 - ECOLOGY

BIOSC 0390 - ECOLOGY LABORATORY

BIOSC 0820 - ENVIRONMENTAL SCIENCE

HPRED 0106 - NUTRITION

HPRED 0107 - NUTRITION LABORATORY

BIOSC 1000 - BIOCHEMISTRY

Computational Sciences

CS 0007 - INTRODUCTION TO COMPUTER PROGRAMMING

CS 0180 - DATABASE DESIGN

CS /COE 0401 - INTERMEDIATE PROGRAMMING USING JAVA

CS 0441 - DISCRETE STRUCTURES FOR CS

MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2

STAT 1000 - APPLIED STATISTICAL METHODS

Liberal Arts

Major

Accounting, AS

Pitt-Titusville's Associate of Science degree in accounting gives students a strong foundation in business concepts, communication skills, and analytical skills that serve as a solid base for a professional career in accounting or for advanced study in accounting. This program also provides students the opportunity to explore other streams of knowledge to broaden their horizons.

- Explain basic accounting principles, concepts, and constraints.
- Demonstrate an understanding of the accounting process and apply the rules of debit and credit.
- Identify basic financial statements, explain their purpose, and perform basic financial statement analysis.
- Demonstrate an understanding and basic working knowledge of the theories, concepts, and methods used in management, marketing, finance, business law, and economics.
- Apply concepts and skills to make basic business decisions.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

- COMMRC 0520 - PUBLIC SPEAKING or
- COMMRC 0530 - INTERPERSONAL COMMUNICATION

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

- Physical Science - 3 Credits or
- Life Science - 3 Credits

- STAT 1000 - APPLIED STATISTICAL METHODS

Major Course Requirements

- BUS 0102 - PRINCIPLES OF MANAGEMENT
- BUS 1111 - CORPORATE FINANCE
- BUS 1301 - PRINCIPLES OF MARKETING
- ACCT 0111 - FINANCIAL ACCOUNTING
- ACCT 0112 - MANAGERIAL ACCOUNTING
- ACCT 0221 - INTERMEDIATE ACCOUNTING 1
- ACCT 0222 - INTERMEDIATE ACCOUNTING 2
- ACCT 1303 - STRATEGIC COST MANAGEMENT

- CS 0131 - SOFTWARE FOR PERSONAL COMPUTING or
- CS 0135 - ADV SOFTWARE-PERSNL COMPUTING

Total Credits: 62

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Business Information Systems, AS

Pitt-Titusville's Associate of Science Degree in business information systems provides a strong foundation in information systems, business concepts, communication skills, and analytical skills that will serve as a solid base for a professional career or for advanced study in business information systems. This program also gives students the opportunity to explore other streams of knowledge to broaden their horizons.

- Demonstrate proficiency in Microsoft Office products and systems.
- Demonstrate proficiency in managing networks, operating systems, and system hardware and software.
- Describe and discuss fundamental management theories, concepts, methods, andbusiness practices.
- Demonstrate an understanding and basic working knowledge of the theories, concepts, and methods used in management, marketing, finance, business law, and economics.
- Recognize, analyze, and manage ethical dilemmas in business.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

- COMMRC 0520 - PUBLIC SPEAKING or
- COMMRC 0530 - INTERPERSONAL COMMUNICATION

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

- Physical Science - 3 Credits or
- Life Science - 3 Credits

- STAT 1000 - APPLIED STATISTICAL METHODS

Major Course Requirements

- BUS 0102 - PRINCIPLES OF MANAGEMENT
- BUS 1111 - CORPORATE FINANCE
- BUS 1301 - PRINCIPLES OF MARKETING
- ACCT 0111 - FINANCIAL ACCOUNTING
- ACCT 0112 - MANAGERIAL ACCOUNTING
- BIS 0015 - HARDWR MAINTEN & SOFTWR SUPPORT
- BIS 1317 - NETWORK AND OPERATING SYSTEMS

- CS 0131 - SOFTWARE FOR PERSONAL COMPUTING or
- CS 0135 - ADV SOFTWARE-PERSNL COMPUTING

Total Credits: 62

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Business Management, AS

The Associate of Science degree in business management at Pitt-Titusville provides a strong foundation in business concepts, communication skills, and analytical skills that will serve as a solid base for a professional career in business or for advanced study in business management. This program also gives students the opportunity to explore other streams of knowledge to broaden their horizons.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - at least 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

- ECON 0110 - INTRODUCTION TO MACROECONOMIC THEORY

- COMMRC 0520 - PUBLIC SPEAKING or
- COMMRC 0530 - INTERPERSONAL COMMUNICATION

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

- Physical Science - 3 Credits or
- Life Science - 3 Credits

- STAT 1000 - APPLIED STATISTICAL METHODS

Major Course Requirements

- BUS 0102 - PRINCIPLES OF MANAGEMENT
- BUS 1111 - CORPORATE FINANCE
- BUS 1301 - PRINCIPLES OF MARKETING
- ACCT 0111 - FINANCIAL ACCOUNTING
- ACCT 0112 - MANAGERIAL ACCOUNTING
- BUS 0108 - SMALL BUSINESS MANAGEMENT
- BUS 0106 - BUSINESS LAW

- CS 0131 - SOFTWARE FOR PERSONAL COMPUTING or
- CS 0135 - ADV SOFTWARE-PERSNL COMPUTING

Electives

- One Course - 3 Credits

Total Credits: 62

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Criminal Justice, AS

The Pitt-Titusville associate's degree in criminal justice prepares you to enter four-year criminal justice programs at Pitt's Bradford, Greensburg, and Pittsburgh campuses and at other colleges and universities. It also provides the degree needed for most police work and entry-level positions in the criminal justice system. The program of study includes courses in criminal justice, sociology, psychology, and political science.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine, or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- SOC 0010 - INTRODUCTION TO SOCIOLOGY
- PS 0200 - AMERICAN POLITICS

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

(6 credits - must be in two areas)

- Physical Science - 3 Credits
- Life Science - 3 Credits
- Computational - 3 Credits

Major Course Requirements

- ADMJ 0204 - POLICE AND SOCIETY
- ADMJ 0500 - INTRODUCTION TO ADMINISTRATION OF JUSTICE

- ADMJ 0600 - INTRODUCTION TO CRIMINOLOGY or
- SOC 0472 - INTRODUCTION TO CRIMINOLOGY

- ADMJ 0203 - PROBATION AND PAROLE
- PS 0205 - LAW AND THE COURTS

Elective Courses

- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits

Total Credits: 61

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031/MATH 0110.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

History, AA

The Pitt-Titusville associate degree in history provides a solid foundation in the history of Western civilization, U.S. history, and African American history in addition to preparing you to enter four-year history programs within the University of Pittsburgh system and at other colleges and universities. The program of study includes courses in history, political science, and sociology.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits

- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

(6 credits - must be in 2 different areas)

- Behavioral - 3 Credits
- Economic - 3 Credits
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- HIST 0100 - WESTERN CIVILIZATION 1
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

(6 credits - must be in 2 areas)

- Physical Science - 3 Credits
- Life Science - 3 Credits
- Computational - 3 Credits

Major Course Requirements

- HIST 0100 - WESTERN CIVILIZATION 1
- HIST 0101 - WESTERN CIVILIZATION 2
- HIST 0600 - UNITED STATES TO 1877
- HIST 0601 - UNITED STATES 1865-PRESENT

- HIST 0670 - AFRO-AMERICAN HISTORY 1 or
- HIST 0671 - AFRO-AMERICAN HISTORY 2

- History Elective - 3 Credits

Elective Courses

- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits

Total Credits: 61

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031/MATH 0110.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).

- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Human Services, AA

Pitt-Titusville's Associate of Science degree in human services provides a strong foundation in human service concepts, communication skills, and analytical skills that will serve as a solid base for a professional career and for advanced study in human services. Human Services is a multidisciplinary field that prepares professionals for employment in supportive, therapeutic, community services, and intervention programs. Classes include an overview of issues and history involving human services work, philosophical models, types of services, and professional roles. Our graduates work for community social services agencies, public and private schools, and within the judicial system, among other areas. See internship requirements .

- Understand the concepts important in human service delivery.
- Apply critical thinking skills in analyzing data relevant to a career in a human service agency.
- Demonstrate their understanding of human service concepts by successfully completing an internship in a human service agency.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Science

- PS 1262 - HEALTH POLICY IN UNITED STATES

- SOC 0010 - INTRODUCTION TO SOCIOLOGY or
- SOC 0007 - SOCIAL PROBLEMS

History and Philosophical Inquiry

- History - 3 Credits

- PHIL 0080 - INTRODUCTION TO PHILOSOPHICAL PROBLEMS or
- PHIL 0300 - INTRODUCTION TO ETHICS

Physical, Life, and Computational Sciences

- Physical Science - 3 Credits or
- Life Science - 3 Credits

- STAT 1000 - APPLIED STATISTICAL METHODS

Major Course Requirements

- ENGCMP 0211 - LIBRARY RESEARCH METHODS
- CS 0131 - SOFTWARE FOR PERSONAL COMPUTING

- COMMRC 0520 - PUBLIC SPEAKING or
- COMMRC 0530 - INTERPERSONAL COMMUNICATION

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

- PSY 1205 - ABNORMAL PSYCHOLOGY or
- PSY 0405 - LEARNING AND MOTIVATION or
- PSY 0160 - PSYCHOLOGY OF PERSONALITY

- PSYED 0005 - LIFE SPAN DEVELOPMENT or
- ADMJ 0500 - INTRODUCTION TO ADMINISTRATION OF JUSTICE

- PEDC 0146 - FIRST AID AND CPR
- HUSERV 0331 - INTRODUCTION TO HUMAN SERVICES
- HUSERV 0399 - HUMAN SERVICES INTERNSHIP

Elective Courses

- Elective Course - 2-3 Credits

Total Credits: 60

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031/MATH 0110.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Liberal Arts, AA

The Liberal Arts Division invites students to develop their critical skills by providing a wide variety of courses that meet the University's General Education requirements. It also prepares students for majoring in baccalaureate programs in the liberal arts and social sciences, and for furthering their education at the graduate level. Liberal arts courses are offered to non-majors as well, to transcend boundaries of specialization and provide all students with common experiences and skills.

General Education Course Requirements

Competencies

A minimum grade of C- is required in all competency courses.

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA
  Or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

The Human Experience

Arts and Letters

(6 credits)

- Literature - 3 credits
- Creative, Fine, and Performing Arts or Foreign Language- 3 credits

Behavioral, Economic, and Political Sciences

(6 credits - must be in two areas)

- Behavioral - 3 Credits
- Economic - 3 Credits
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- History - 3 credits
- Philosophical Inquiry - 3 credits

Physical, Life and Computational Sciences

(6 credits - must be from 2 different areas)

- Physical Science - 3 credits
- Life Science - 3 credits
- Computational Science - 3 credits

Major Course Requirements

- COMMRC 0520 - PUBLIC SPEAKING
- Additional Literature, Arts or Foreign Language course - 3 Credits
- Additional History course - 3 Credits
- Additional Behavioral, Economic or Political Science course - 3 Credits

Elective Courses

- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits

Total Credits: 61

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031/MATH 0110.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience)
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Psychology, AS

The Pitt-Titusville associate degree in psychology prepares you to enter four-year psychology programs at other Pitt campuses as well as other colleges and universities. It also prepares you for some entry-level positions in human

service agencies. The program of study includes courses in psychology, research methods, sociology, and human biology.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

- Economic - 3 Credits or
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences (7-8 credits)

(must be in two areas)

- Physical or Computational Science* - 3-4 Credits
  (If continuing at Bradford, student should take the 1st course of the BIOSC 0150/BIOSC 0050 or BIOSC 0212/BIOSC 0214 sequence course.)
- BIOSC 0096 - INTRODUCTION TO HUMAN SYSTEMS and
- BIOSC 0097 - INTRODUCTION TO HUMAN SYSTEMS LABORATORY
  (If continuing at Bradford, student should take instead the 2nd course of the BIOSC sequence-BIOSC 0160/BIOSC 0060 or BIOSC 0213/BIOSC 0215.)

Major Course Requirements

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- PSY 1270 - CHILD PSYCHOPATHOLOGY

Choose three courses from at least two of the following subfields:

Cognitive Development

- PSY 0310 - DEVELOPMENTAL PSYCHOLOGY
- PSY 0405 - LEARNING AND MOTIVATION

Applied Social Psychology

- PSY 0160 - PSYCHOLOGY OF PERSONALITY
- PSY 0203 - SOCIAL PSYCHOLOGY

Counseling Psychology

- PSY 1205 - ABNORMAL PSYCHOLOGY

Elective Courses

- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits
- Elective - 3 Credits
- (Additional Elective if Physical/Comp. Sci. course is only 3 credits)* - 1-3 Credits

Total Credits: 60

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Natural Sciences

Major

Biological Sciences, AS

Pitt-Titusville's associate degree in biological sciences prepares you to enter four-year biological sciences programs at Pitt's Bradford, Greensburg, and Pittsburgh campuses as well as at other colleges and universities. It can also help to prepare you for a career in such fields as medicine, biotechnology, and environmental conservation and management. The program of study includes courses in biology, chemistry, and math.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economics, and Political Sciences

(6 credits - must be from 2 different categories)

- Behavioral - 3 Credits
- Economic - 3 Credits
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

- CHEM 0110 - GENERAL CHEMISTRY 1 (see Major course requirement)
- BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1
- BIOSC 0050 - FOUNDATIONS OF BIOLOGY LABORATORY 1 (see Major course requirement)

Major Course Requirements

- MATH 0032 - TRIGONOMETRY AND FUNCTIONS or
- MATH 0200 - PREP FOR SCIENTIFIC CALCULUS

- BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1
- BIOSC 0050 - FOUNDATIONS OF BIOLOGY LABORATORY 1
- BIOSC 0160 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0060 - FOUNDATIONS OF BIOLOGY LABORATORY 2
- BIOSC 0370 - ECOLOGY
- BIOSC 0390 - ECOLOGY LABORATORY
- BIOSC 0350 - GENETICS
- BIOSC 0351 - GENETICS LABORATORY
- CHEM 0110 - GENERAL CHEMISTRY 1
- CHEM 0120 - GENERAL CHEMISTRY 2

Elective Courses

- Elective - 3 Credits
- Elective - 3 Credits

Total Credits: 60

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Computer Technology, AS

The Pitt-Titusville associate degree in computer technology prepares you for an entry-level position as a computer technologist. The program of study includes courses in Microsoft Office products, database design, networking,

computer hardware, and Web design. It also includes an internship experience. See internship requirements for information on completing the internship for this major.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

(6 credits - must be in 2 different areas)

- Behavioral - 3 Credits
- Economic - 3 Credits
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

- Physical Science - 3 Credits or
- Life Science - 3 Credits

- CS 0007 - INTRODUCTION TO COMPUTER PROGRAMMING

Major Course Requirements

- MATH 0032 - TRIGONOMETRY AND FUNCTIONS or
- MATH 0200 - PREP FOR SCIENTIFIC CALCULUS

- CS 0007 - INTRODUCTION TO COMPUTER PROGRAMMING (see Physical, Life, and Computational Sciences requirement)
- CS 0135 - ADV SOFTWARE-PERSNL COMPUTING
- CS 0134 - WEB SITE DESIGN AND DEVELOPMENT
- CS 0401 - INTERMEDIATE PROGRAMMING USING JAVA
- CS 0180 - DATABASE DESIGN
- CS 0334 - INTERMEDIATE WEB SITE DESIGN AND DEVELOPMENT
- CS 0441 - DISCRETE STRUCTURES FOR CS
- BIS 1317 - NETWORK AND OPERATING SYSTEMS
- BIS 0015 - HARDWR MAINTEN & SOFTWR SUPPORT
- Internship - 1 Credit

Total Credits: 62

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Natural Science, AS

The Natural Sciences Division prepares students to complete programs in various STEM (science, technology, engineering, mathematics) fields; for admission to pharmacy, medical, and dental schools; and receive an associate's degree that strengthens their career pursuits in health-related disciplines. Natural science courses are also offered to non-majors and students in health care programs.

General Education Course Requirements

Competencies

First Year Experience

- FS 0002 - FRESHMAN SEMINAR

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0031 - ALGEBRA

The Human Experience

Arts and Letters

(6 credits - 3 credits must be in literature or creative, fine or performing arts)

- Literature - 3 Credits
- Creative, Fine, and Performing Arts - 3 Credits
- Foreign Language - 3 Credits

Behavioral, Economic, and Political Sciences

(6 credits - must be from 2 different areas)

- Behavioral - 3 Credits
- Economic - 3 Credits
- Political Sciences - 3 Credits

History and Philosophical Inquiry

- History - 3 Credits

- History - 3 Credits or
- Philosophical Inquiry - 3 Credits

Physical, Life, and Computational Sciences

(two courses in either a Life Science or Physical Science sequence. Must include labs.)

- Physical Science - 8 Credits or
- Life Science - 8 Credits

Major Course Requirements

- MATH 0032 - TRIGONOMETRY AND FUNCTIONS or
- MATH 0200 - PREP FOR SCIENTIFIC CALCULUS

- MATH 0120 - BUSINESS CALCULUS or
- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1

- Course in Computer Science - 3 Credits
- Science course in field related to major - 3-4 Credits
- Science course in field related to major - 3-4 Credits
- Science course in field related to major - 3-4 Credits
- Science course in field related to major - 3-4 Credits

Computational Science Course

- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2 (or above) or
- PHIL 0500 - INTRODUCTION TO LOGIC (or STAT)

Total Credits: 60

- Students must earn a C- or better in FS 0002, ENG 0101 and MATH 0031.
- Student must earn a minimum 2.0 grade point average in the general education program (competencies and human experience).
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.

Relocation Options

Engineering

Students interested in careers in engineering can begin their studies at Pitt-Titusville. Upon successful completion of a required number of courses, students are eligible to relocate to either the Pittsburgh or Johnstown campus to complete their Bachelor of Science degree requirements.

Fields of engineering study include: chemical and petroleum, civil and environmental, electrical, industrial, material science, mechanical, bioengineering, computer, engineering physics, energy resources, and manufacturing systems.

The curriculum at Pitt-Titusville offers three tracks of study, determined by the candidate's placement at the time of admission.

- Three-Year Track - Students who need to take pre-algebra coursework
- Two-Year Track - Students prepared to take college algebra or trigonometry
- One-Year Track

One-Year Track

Fall - First Year

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- ENGR 0011 - INTRO TO ENGINEERING ANALYSIS
- CHEM 0960 - Chemistry for Engineering 1 with Lab - 4 Credits
- PHYS 0174 - BASIC PHYSICS, SCIENCE AND ENGINEERING 1 (INTEGRATED)
- Humanities/Social Science Elective - 3 Credits
- Freshman Engineering Seminar - 0 Credits

Total Credit Hours: 18

Spring - First Year

- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- ENGR 0012 - INTRO TO ENGINEERING COMPUTING
- CHEM 0970 - Chemistry for Engineering 2 with Lab - 4 Credits
- PHYS 0175 - BASIC PHYSICS, SCIENCE AND ENGINEERING 2 (INTEGRATED)
- Humanities/Social Science Elective - 3 Credits

Total Credit Hours: 18

(Upon completion of the above courses, the student will be eligible to enter the sophomore class in engineering at most colleges.)

Humanities Electives:

Communication
Classics
Philosophy
Studio Arts
Foreign Languages
English Composition
English Literature
History of Art Architecture
Music
Theatre

Social Science Electives:

History
History of Jazz
Anthropology
Economics
Political Science
Psychology
Africana Studies
History and Philosophy of Science
Sociology

*Breadth and depth requirements for elective courses:

Required to take courses in three areas with at least two courses in each area.

Two-Year Track

Fall - First Year

- MATH 0031 - ALGEBRA
- ENGCMP 0200 - SEMINAR IN COMPOSITION
- CHEM 0110 - GENERAL CHEMISTRY 1
- COMMRC 0520 - PUBLIC SPEAKING
- One Social Science Course - 3 Credits

Total Credit Hours: 16

Spring - First Year

- MATH 0032 - TRIGONOMETRY AND FUNCTIONS
- CHEM 0120 - GENERAL CHEMISTRY 2
- Humanities Course - 3 Credits
- Second Social Science Course - 3 Credits

- Third Social Science Course or Second Humanities Course - 3 Credits or
- ENGCMP 0400 - WRITTEN PROFESSIONAL COMMUNICATION

Total Credit Hours: 15

Fall - Second Year

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- ENGR 0011 - INTRO TO ENGINEERING ANALYSIS
- PHYS 0174 - BASIC PHYSICS, SCIENCE AND ENGINEERING 1 (INTEGRATED)
- ENGR 0081 - FRESHMAN ENGINEERING SEMINAR 1

- CS 0401 - INTERMEDIATE PROGRAMMING USING JAVA or
- One Social Science or Humanities course - 3 Credits

Total Credit Hours: 14-15

Spring - Second Year

- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- ENGR 0012 - INTRO TO ENGINEERING COMPUTING
- PHYS 0175 - BASIC PHYSICS, SCIENCE AND ENGINEERING 2 (INTEGRATED)
- ENGR 0082 - FRESHMAN ENGINEERING SEMINAR 2
- PHYS 0219 - BASIC LABORATORY PHYSICS SCIENCE AND ENGINEERING
- Science Elective - 3 Credits

Total Credit Hours: 16

(Upon completion of the above courses, the student will be eligible to enter the sophomore class in engineering at most colleges.)

Humanities Electives:

Communication
Classics
Philosophy
Studio Arts
Foreign Languages
English Composition
English Literature
History of Art Architecture
Music
Theatre

Social Science Electives:

History
History of Jazz
Anthropology
Economics
Political Science
Psychology
Africana Studies
History and Philosophy of Science
Sociology

*Breadth and depth requirements for elective courses:

Required to take courses in three areas with at least two courses in each area. See http://www.engr.pitt.edu/students/electives.html for list.

*Science electives are selected depending on Engineering interest and include:

- BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1
- BIOSC 0160 - FOUNDATIONS OF BIOLOGY 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
- STAT 1000 - APPLIED STATISTICAL METHODS
- CS 0441 - DISCRETE STRUCTURES FOR CS

Three-Year Track

Fall - First Year

- MATH 0029 - FUNDAMENTALS OF MATH 1

- ENGCMP 0150 - WORKSHOP IN COMPOSITION
- IL 0210 - COLLEGE READING & STUDY SKILLS
- One Social Science or Humanities course - 3 Credits
- PEDC or CS Course - 1-3 Credits

Total Credit Hours: 13-15

Spring - First Year

- MATH 0030 - FUNDAMENTALS OF MATH 2
- ENGCMP 0200 - SEMINAR IN COMPOSITION
- Second Social Science Elective - 3 Credits
- One Humanities Elective - 3 Credits

- Second Humanities Elective - 3 Credits or
- COMMRC 0520 - PUBLIC SPEAKING

Total Credit Hours: 15

Fall - Second Year

- MATH 0031 - ALGEBRA
- Third Humanities Elective - 3 Credits
- CHEM 0110 - GENERAL CHEMISTRY 1
- CS 0401 - INTERMEDIATE PROGRAMMING USING JAVA

Total Credit Hours: 14

Spring - Second Year

- MATH 0032 - TRIGONOMETRY AND FUNCTIONS
- Third Social Science Elective - 3 Credits
- Science Elective* - 3 Credits
- CHEM 0120 - GENERAL CHEMISTRY 2
- ENGCMP 0400 - WRITTEN PROFESSIONAL COMMUNICATION

Total Credit Hours: 15

Fall - Third Year

- MATH 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- ENGR 0011 - INTRO TO ENGINEERING ANALYSIS
- PHYS 0174 - BASIC PHYSICS, SCIENCE AND ENGINEERING 1 (INTEGRATED)
- ENGR 0081 - FRESHMAN ENGINEERING SEMINAR 1
- Science Elective* - 3-4 Credits

Total Credit Hours: 14

Spring - Third Year

- MATH 0230 - ANALYTIC GEOMETRY AND CALCULUS 2
- ENGR 0012 - INTRO TO ENGINEERING COMPUTING
- PHYS 0175 - BASIC PHYSICS, SCIENCE AND ENGINEERING 2 (INTEGRATED)
- PHYS 0219 - BASIC LABORATORY PHYSICS SCIENCE AND ENGINEERING
- ENGR 0082 - FRESHMAN ENGINEERING SEMINAR 2
- Science Elective* - 3-4 Credits

Total Credit Hours: 16-17

(Upon completion of the above courses, the student will be eligible to enter the sophomore class in engineering at most colleges.)

Humanities Electives:

Communication
Classics
Philosophy
Studio Arts
Foreign Languages
English Composition
English Literature
History of Art Architecture
Music
Theatre

Social Science Electives:

History
History of Jazz
Anthropology
Economics
Political Science
Psychology
Africana Studies
History and Philosophy of Science
Sociology

*Breadth and depth requirements for elective courses:

Required to take courses in three areas with at least two courses in each area.

*Science Electives are selected depending on Engineering interest and include:

- BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1

- BIOSC 0160 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0810 - BIOLOGY FOR NON-MAJORS 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
- STAT 1000 - APPLIED STATISTICAL METHODS
- CS 0441 - DISCRETE STRUCTURES FOR CS

Petroleum Technology, AS

"ONE + ONE"
(One Year at Titusville/One Year at Bradford)

With the growth of the petroleum industry in Pennsylvania and other areas nationwide, we are offering an Associate Degree in Petroleum Technology. This is a 2-year joint program with the University of Pittsburgh at Bradford, which allows you to to receive the first year of the curriculum on our campus and then relocate to Bradford to complete your degree. When you receive your degree, you'll be prepared to apply for a career in the oil and gas industry in this growing field.

Along with general education requirements, courses will include Geology of Marcellus Shale and Utica Shale, Drilling, Fracking, Oil and Gas Transportation, Well Log Interpretation, and other major topics to meet national standards.

General Education Course Requirements

Written Literacy

- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

Mathematics

- MATH 0110 - FUNDAMENTALS OF MATHEMATICS
- Human Experience Elective - 3 Credits
- Human Experience Elective (Bradford) - 3 Credits

Major Course Requirements

- CHEM 0101 - GENERAL CHEMISTRY I (Bradford) - 4 Credits
- GEOL 0101 - PHYSICAL GEOLOGY
- PET 0101 - INTRODUCTION TO PETROLEUM INDUSTRY - 3 Credits
- PET 0102 - ENVIRONMENTAL & SAFTEY - 3 Credits
- PET 0103 - INTRODUCTION TO PETROLEUM GEOLOGY & GEOPHYSICS - 3 Credits
- PET 0105 - INTRODUCTION TO GIS AND TECHNOLOGY (Bradford) - 3 Credits
- PET 0106 - DRILLING AND COMPLETION I - 3 Credits
- PET 0107 - GEOLOGY OF MARCELLUS SHALE - 3 Credits

- PET 0110 - BASIC PRINCIPLES OF WELL CONTROL AND MUD LOGGING (Bradford) - 3 Credits
- PET 0201 - PETROLEUM AND NATURAL GAS (Bradford) - 3 Credits
- PET 0203 - OIL & GAS GATHERING TRANSPORTATION (Bradford) - 3 Credits
- PET 0204 - WELL LOG INTERPRETATION (Bradford) - 3 Credits
- PET 0206 - DRILLING AND COMPLETION II (Bradford) - 3 Credits
- PET 0207 - GEOLOGY OF UTICA SHALE (Bradford) - 3 Credits
- PET 0208 - HYDRAULIC FRACTURING (Fracking) (6-Week Summer Course) (Bradford) - 3 Credits
- PHYS 0103 - CONCEPTS OF MODERN PHYSICS (Bradford) - 3 Credits

- PHYS 0203 - FOUNDATION OF PHYSICS LAB (Bradford) - 1 Credit or
- PHYS 0204 - FOUNDATION OF PHYSICS LAB (Bradford) - 1 Credit

Total Credits: 66

- Students must earn a C- or better in ENG 0101, ENG 0102 and MATH 0110.
- Students must earn a minimum cumulative 2.0 in the Major course requirements.
- Students must earn a minimum 2.0 cumulative grade point average.
- Some courses require students complete rotations, fieldwork, or other assignments at facilities external to the university. Depending on the course, a criminal background check, act 33/34 clearance and drug screening may be required. To become licensed, some states inquire if the applicant has been convicted of a misdemeanor, felony, or illegal act associated with alcohol and/or substance abuse.

Pre-Pharmacy

The University of Pittsburgh at Titusville offers a two-year curriculum to give students the foundation they need to apply to degree programs in Pharmacy at other locations. For more information on the Pharmacy program, click here.

General Admissions Requirements

- BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1
- BIOSC 0050 - FOUNDATIONS OF BIOLOGY LABORATORY 1
- BIOSC 0160 - FOUNDATIONS OF BIOLOGY 2
- BIOSC 0060 - FOUNDATIONS OF 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 0220 - ANALYTIC GEOMETRY AND CALCULUS 1
- STAT 1000 - APPLIED STATISTICAL METHODS
- ENG 0101 - ENGLISH COMPOSITION 1
- ENG 0102 - ENGLISH COMPOSITION 2

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

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
- Two Social Science Electivies (from two different disciplines) - 6 Credits
- Two Humanities Electives (from two different disciplines) - 6 Credits
- Two additional Electivies (from list of Humanities or Social Science electivies) - 6 Credits

Total Credit Hours: 62

(see your pharmacy advisor for courses in Elective areas)

Humanities Electivies:

Communication
Classics
Philosophy
Studio Arts
Foreign Languages
English Composition
English Literature
History of Art Architecture
Music
Theatre

Social Science Electivies:

History
History of Jazz
Anthropology
Economics
Politicial Science
Psychology
Africana Studies
History and Philosophy of Science
Sociology

Nursing

Major

Nursing, AS Class of 2020

The Nursing Program provides an Associate of Science in Nursing which prepares students at the undergraduate level to sit for the State Board of Nursing examination to become a Registered Nurse. Learn more about our program here.

Fall Term - 1st year

- BIOSC 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1 and
- BIOSC 0214 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1
  Theory Hrs/Wk: 3 | Lab Hrs/Wk: 3
- NUR 0066 - NUTRITION FOR CLINICAL PRACTICE
  Theory Hrs/Wk: 3
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY
  Theory Hrs/Wk: 3
- NUR 0300 - NURSING FOUNDATIONS
  Theory Hrs/Wk: 2.5 | Clinical Hrs/Wk: 1.5
- MATH 0031 - ALGEBRA
  or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

Credits Term: 16

Total Hrs/Wk: 21

Spring Term - 1st year

- BIOSC 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2 and
- BIOSC 0215 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 2
  Theory Hrs/Wk: 3 | Lab Hrs/Wk: 3
- HRP 0420 - CLINICAL PATHOLOGY
  Theory Hrs/Wk: 3
- NUR 1110 - PHARMACOLOGY AND THERAPEUTICS ACROSS THE LIFESPAN
  Theory Hrs/Wk: 3
- NUR 0350 - NURSING FUNDAMENTALS
  Theory Hrs/Wk: 3 | Clinical Hrs/Wk: 9

Credits Term: 16

Total Hrs/Wk: 25

Summer - 1st year

- PSYED 0005 - LIFE SPAN DEVELOPMENT
  Theory Hrs/Wk: 3
- NUR 0400 - ADULT MEDICAL SURGICAL NURSING
  Theory Hrs/Wk: 3 | Clinical Hrs/Wk: 15
- ENG 0101 - ENGLISH COMPOSITION 1

Credits Term: 14

Total Hrs/Wk: 24

Fall - 2nd year

- BIOSC 0031 - MICROBIOLOGY and
- BIOSC 0032 - MICROBIOLOGY LAB
  Theory Hrs/Wk: 3 | Lab Hrs/Wk: 2
- NUR 0450 - FAMILY AND MENTAL HEALTH
  Theory Hrs/Wk: 4 | Clinical Hrs/Wk: 15

Credits Term: 13

Total Hrs/Wk: 24

Spring - 2nd year

- SOC 0010 - INTRODUCTION TO SOCIOLOGY
  Theory Hrs/Wk: 3
- NUR 0500 - COMPLEX AND COMMUNITY HEALTH
  Theory Hrs/Wk: 4 | Clinical Hrs/Wk: 15
- NUR 0525 - ROLE DEVELOPMENT
  Theory Hrs/Wk: 0.5 | Lab Hrs/Wk: 0.5

Credits Term: 13

Total Hrs/Wk: 23

72 Total Credits

1 credit = 15 theory hours
1 credit = 45 clinical hours

42 credits in Nursing
30 credits in Science & Support Courses
832.5 Total Clinical Hours

Nursing, AS Class of 2021

The Nursing Program provides an Associate of Science in Nursing which prepares students at the undergraduate level to sit for the State Board of Nursing examination to become a Registered Nurse. Learn more about our program here.

Fall Term - 1st year

- BIOL 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1
- BIOL 0222 - HUMAN ANATOMY AND PHYSIOLOGY LAB 1
- ENG 0101 - ENGLISH COMPOSITION 1
- NUR 0106 - SUCCEEDING IN NURSING EDUCATION
- NUR 0109 - CLINICAL CALCULATIONS
- NUR 0111 - FUNDAMENTALS OF NURSING

Credits Term: 16

Total Hrs/Wk: 21

Spring Term - 1st year

- BIOL 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2
- BIOL 0223 - HUMAN ANATOMY AND PHYSIOLOGY LAB 2
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

Credits Term: 18

Total Hrs/Wk: 25

Fall - 2nd year

Credits Term: 16

Total Hrs/Wk: 24

Spring - 2nd year

Credits Term: 16

Total Hrs/Wk: 23

66 Total Credits

1 credit = 15 theory hours
1 credit = 45 clinical hours

38 credits in Nursing
28 credits in General Education
832.5 Total Clinical Hours

Physical Therapist Assistant

Major

Physical Therapist Assistant, AS Class of 2020

Program Overview

The University of Pittsburgh at Titusville's (Pitt-Titusville) Physical Therapist Assistant (PTA) Program is a well-established academic based program. The Physical Therapist Assistant Program at the University of Pittsburgh at Titusville is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE) of the American Physical Therapy Association (APTA). * The program is accredited through the year 2021. The faculty are members of the American Physical Therapy Association (APTA).

Upon completion of the two-year Physical Therapist Assistant Program, students will earn an Associate of Science Degree for the Physical Therapist Assistant from the University of Pittsburgh, and will be eligible to sit for the National Physical Therapy Licensure Examination (NPTE).

The PTA Program is a five semester, two-year program. Our faculty will work with you to suggest a curriculum to fit your previous college credits or for students that cannot attend school full time. Our small class size and knowledgeable faculty give you interactive/hands-on learning and personalized attention in a comfortable atmosphere.

As a branch of the main Pitt campus, you will have access to the medical and research resources for which the University of Pittsburgh is respected worldwide.

Accreditation and Licensure

The Physical Therapist Assistant Program at the University of Pittsburgh-Titusville is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: http://www.capteonline.org. The program's current status is probationary accrediation: for more information see http://www.capteonline.org/WhatWeDo/RecentActions/PublicDisclosureNotices/. If needing to contact the program/institution directly, please call (814-827-4445) or email (kguth@pitt.edu).

After matriculating with an A.S. degree in physical therapist assistant (PTA), program graduates must successfully pass the National Physical Therapy Examination (NPTE) administered by each state to achieve certification/licensure which is required for clinical practice. The Pitt-Titusville PTA Program assists students in the preparation of the NPTE with the Professional Issues Seminar course, several mock board examinations, a new NPTAE review course, and a professional on-campus review course.

In addition to a PTA certification/licensure, many state licensing boards require a criminal background check, fingerprinting, child abuse clearance and Mandated Reporter Training (Act 31). To maintain acceptance in the program, students must successfully pass drug screening. Further, prior to beginning the clinical education courses, students must meet all of these common requirements of the respective facilities/companies, which may include some or all of the following: fingerprinting, TB testing, CPR, drug screening, and Act 31, Act 34 and Act 151 clearances. Students with criminal records should contact the physical therapy licensing board for the state they plan to practice in prior to applying for admission to the PTA Program to inquire about potential restrictions for licensure.

Advisors

Dr. Karen Guth, MSPT, DPT, PTA Program Director
Physical Therapist

Ms. Joyce Carbaugh, Academic Coordinator Clinical Education
Physical Therapist Assistant

Affiliations

While we have numerous affiliation sites within a 50 mile radius of our campus, we encourage our students to travel to other cities/states to experience the diversity of the physical therapy practice throughout the United States. If a location is chosen in which we do not already have a clinical site, every effort is made to acquire a site of the student's choice. Ultimately, the academic needs of the student are our priority for clinical placement.

All expenses, including transportation and housing are the student's responsibility. However, many of our students choose clinical sites near friends or relatives to help offset some of their expenses.

Two-Year Curriculum

Curriculum Subject to Change

First Year

Fall Term

- BIOSC 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1
- BIOSC 0214 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1
- CS 0131 - SOFTWARE FOR PERSONAL COMPUTING
- ENG 0101 - ENGLISH COMPOSITION 1
- HRP 0184 - INTRO TO SCIENCE FOR HEALTH PROF
- MATH 0031 - ALGEBRA or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

Spring Term

- BIOSC 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2
- BIOSC 0215 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 2
- COMMRC 0530 - INTERPERSONAL COMMUNICATION
  or
- COMMRC 0520 - PUBLIC SPEAKING
- HRP 0410 - APPLIED KINESIOLOGY
- HRP 0411 - APPLIED KINESIOLOGY LAB
- PHYSTA 0110 - INTRODUCTION TO PHYSICAL THERAPY
- PHYSTA 0221 - PTA PRINCIPLES AND PROCEDURES 1

Summer Term

- PHYSTA 0222 - PTA PRINCIPLES AND PROCEDURES 2
- PHYSTA 0331 - CLINICAL EDUCATION 1

Second Year

Fall Term

- HRP 0420 - CLINICAL PATHOLOGY
- PHYSTA 0223 - PTA PRINCIPLES AND PROCEDURES 3
- PHYSTA 0224 - PTA PRINCIPLES AND PROCEDURES 4
- PHYSTA 0440 - PROFESSIONAL ISSUES SEMINAR
- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

Spring Term

- PHYSTA 0332 - CLINICAL EDUCATION 2
- PHYSTA 0333 - CLINICAL EDUCATION 3

Part-Time Status

Students may choose to pursue the PTA Program as a part-time student. Students may take as little as one course per semester of the Required General Foundation and Behavioral Education Courses. However, the Technical and Clinical Education courses must be taken in consecutive sequence without interruption. This requires prior communication and approval by the PTA Program Director.

Curriculum Subject to Change

General Foundation Education Courses

- BIOSC 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1
- BIOSC 0214 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1
- BIOSC 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2
- BIOSC 0215 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 2

- MATH 0031 - ALGEBRA or
- MATH 0110 - FUNDAMENTALS OF MATHEMATICS

- HRP 0184 - INTRO TO SCIENCE FOR HEALTH PROF
- HRP 0420 - CLINICAL PATHOLOGY

General Behavioral Education Courses

- ENG 0101 - ENGLISH COMPOSITION 1
- COMMRC 0530 - INTERPERSONAL COMMUNICATION

- PSY 0010 - INTRODUCTION TO PSYCHOLOGY

Technical Education Courses

- PHYSTA 0110 - INTRODUCTION TO PHYSICAL THERAPY
- PHYSTA 0221 - PTA PRINCIPLES AND PROCEDURES 1
- PHYSTA 0222 - PTA PRINCIPLES AND PROCEDURES 2
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- HRP 0410 - APPLIED KINESIOLOGY
- HRP 0411 - APPLIED KINESIOLOGY LAB
- PHYSTA 0250 - THERAPEUTIC EXERCISE
- PHYSTA 0350 - NATIONAL PHYSICAL THERAPIST ASSISTANT EXAMINATION REVIEW

Clinical Education Courses

- PHYSTA 0331 - CLINICAL EDUCATION 1
- PHYSTA 0332 - CLINICAL EDUCATION 2
- PHYSTA 0333 - CLINICAL EDUCATION 3

Program Outcomes

Graduation Rate

The percentage of students who complete the program within 150% of the normally expected time:

- Class of 2016 (50%)
- Class of 2017 (80%)
- Class of 2018 (91%)

Ultimate Pass Rates

The percentage of graduates who passed the NPTE:

- Class of 2016 (90.9%)
- Class of 2017 (72.7%)
- Class of 2018 (70.0%)

Employment Rate

The percentage of graduates who sought employment and who were employed within 6 months of passing the NPTE:

- Class of 2016 (100%)
- Class of 2017 (100%)
- Class of 2018 (100%)

Employment Opportunities: Please see the APTA job/career center link.

Minimum Entry Requirements for the Program

- High School GPA of 2.85 or GED of at least 2500
- College GPA of 2.8
- SAT score of at least 1000
- Readiness to take ENG 0101 and MATH 0031 or MATH 0110
- Earned an overall 2.0 GPA or better in all pre-technical course work.
- Students who do not meet the entry requirements of the program, but who meet the entry requirements of the University of Pittsburgh at Titusville are encouraged to pursue health science courses in preparation for later entry into the PTA program. Students must still meet all of the PTA entry requirements.
- Student admittance pending committee/faculty review.

Volunteer/Recommendation Requirements:

- Combined total of 40 hours of volunteer work from two separate Physical Therapy Clinics (20 hours at each clinic) (click here for form)
- One positive letter of recommendation from the PT/PTA with whom the student has volunteered (click here for form)
- These requirements must be received by November 1st prior to beginning the technical phase of the program in January

First Aid & CPR Requirements:

- Current certification in First Aid and CPR prior to the end of the second semester

Clearance Requirements:

All students admitted to the technical phase of the PTA Program must complete a recent (defined as within 2 months prior to beginning first clinical experience) a criminal history information (Act 34), Pennsylvania Child Abuse History Clearance (Act 151) and fingerprinting.

Program Academic Requirements:

It is the policy of Pitt-Titusville's PTA Program that students must maintain a high level of academic achievement in order to continue in the PTA Program. Students are required to maintain at least a 2.5 GPA average in the PTA curriculum and an overall GPA of 2.0 each semester.

A maximum of 24 students are admitted to the technical phase of the program each spring semester. The PTA Selection Committee ranks students based on selection criteria including SAT/ACT score, GPA, core prerequisite course grades, personal essay, and volunteer hours with letter of recommendation. The highest ranking applicants, up to 24, will be offered acceptance into the technical phase of the program. Remaining candidates will either be placed on a waiting list as an alternate or denied admission.

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- PHYSTA 0110 - INTRODUCTION TO PHYSICAL THERAPY

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Course Information

Please note, when searching courses by Catalog Number, an asterisk (*) can be used to return mass results. For instance a Catalog Number search of " 1 " can be entered, returning all 1000-level courses.*

Accounting

ACCT 0111 - FINANCIAL ACCOUNTING

Minimum Credits: 3
Maximum Credits: 3
An introduction to the accounting functions used by businesses to accumulate, use, and analyze financial data. Emphasis is placed on the preparation, use, and interpretation of financial statements.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: COREQ or PREREQ: MATH 0031

ACCT 0112 - MANAGERIAL ACCOUNTING

Minimum Credits: 3
Maximum Credits: 3
Deals with the significance and use of basic accounting concepts as they relate to the principal items contained in financial statements. Includes an introductory survey of the various cost components encountered in accounting for the manufacturing enterprise.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0111

ACCT 0221 - INTERMEDIATE ACCOUNTING 1

Minimum Credits: 3
Maximum Credits: 3
Blends the theory and current practice of financial accounting for the business enterprise. Emphasis is placed on current accounting theory, valuation of assets and liabilities, and the impact of private, professional, and governmental agencies on financial accounting.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0112

ACCT 0222 - INTERMEDIATE ACCOUNTING 2

Minimum Credits: 3
Maximum Credits: 3
Continuation of ACCT 0221 which covers such topics as accounting theory related to the liability and stockholders equity sections of the balance sheet, the cash flow statement, and earnings per share computation.
Academic Career: Undergraduate
Course Component: Lecture

Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0221

ACCT 1303 - STRATEGIC COST MANAGEMENT

Minimum Credits: 3
Maximum Credits: 3
This course focuses on advanced topics in cost and managerial accounting. Emphasis is on standard cost systems and variance analysis; absorption and variable costing; capital budgeting techniques and income tax impact assessment; and short and long range forecasting and reporting.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0112

ACCT 1304 - FEDERAL INCOME TAXES

Minimum Credits: 3
Maximum Credits: 3
This course is an in-depth analysis of the federal income tax statutes and regulations relating to the taxation of individuals and sole proprietorships. Topics include: concepts of revenue and expenses, tax methods and treatment of the disposition of property (including capital gains and losses and tax research).
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0112

ACCT 1399 - ACCOUNTING INTERNSHIP

Minimum Credits: 1
Maximum Credits: 3
Selected topics in an identified area of study in accounting.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: Sophomore or higher; 2.5 GPA; Division Consent

Administration and Policy Studies

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

Administration of Justice

ADMJ 0100 - 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

ADMJ 0203 - PROBATION AND PAROLE

Minimum Credits: 3
Maximum Credits: 3
An examination of the nature of parole, the factors influencing probation decisions, adult and juvenile probation services, and how probation and parole impact on the criminal justice system and on society.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 0204 - POLICE AND SOCIETY

Minimum Credits: 3
Maximum Credits: 3
The law enforcement agencies of the federal, state, and local levels that are responsible for the control of crime and protection of society via maintenance of order, law enforcement, and peacekeeping functions within our social environment will be examined. Major topics include the evolution, development, functions and effects of law enforcement of crime in society. Emphasis is on the theory and practice of social control in society by traditional and emerging forms of policing responding to social and public policy.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 0500 - INTRODUCTION TO ADMINISTRATION OF JUSTICE

Minimum Credits: 3
Maximum Credits: 3
Introductory course designed to provide the student with basic information on the criminal justice system. Views the criminal justice system as consisting of six sub-systems; police, prosecution, courts, corrections, probation and parole. Explores law and society in general, the history, structure, function and contemporary problems in each major sub-system. Also explores the trend of the criminal justice system and the directions and implications involved.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 0600 - INTRODUCTION TO CRIMINOLOGY

Minimum Credits: 3
Maximum Credits: 3
This course provides an overview of the study of the causes and social responses to crime. It examines legal definitions and elements of crime; surveys major categories of crime, i.e., Predatory and non-predatory acts; reviews major measures of crime; identifies major correlates and theories of crime; differentiates types of offenders and evaluates the working of the criminal justice system.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 1225 - THE JUVENILE JUSTICE PROCESS

Minimum Credits: 3
Maximum Credits: 3
Presentation, discussion and analysis of the nature of the juvenile justice process, legal steps required in processing juveniles, nature and operation of juvenile justice institutions, interrelationships between parts of the system, and problems and prospects for their solution.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 1450 - CRITICAL ISSUES IN CRIMINAL JUSTICE

Minimum Credits: 3
Maximum Credits: 3
Analyzes contemporary issues relating to policies, goals, and procedures of all criminal justice agencies. Topics covered include trends and controversies regarding law enforcement activities, the changing role of police, police court controversies, standards and goals, future trends in criminal justice, manpower utilization, organizational changes, long-range planning, and projections for future of police agencies.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ADMJ 1900 - PRESERVICE INTERNSHIP

Minimum Credits: 1
Maximum Credits: 6
This course is a supervised placement with specific agencies in the criminal justice system and is offered through the College of General Studies for student interns in the CGS Administration of Justice and Legal Studies majors and minors. Students enrolled in this internship engage in formal and reflective writing, journaling, and analysis about their work experience and how it relates to their academic and career pursuits. Class workshops and group discussions provide further opportunities for debriefing and consolidation of ideas and skills. This is a hybrid course with three in-person workshops and faculty authorization is required. Students must be registered for the internship course at the time they are completing the internship in order to earn credit.
Academic Career: Undergraduate

Course Component: Internship
Grade Component: Satisfactory/No Credit

Africana Studies

AFRCNA 0031 - INTRODUCTION TO AFRICANA STUDIES

Minimum Credits: 3
Maximum Credits: 3
This is a survey course for Africana studies. An Afrocentric approach will be used to review the eight basic subject areas of the multidisciplinary focus; black history, black religion, black creative productions, black politics, black economics, black social organizations, black psychology and black education. Two alternative views will be pursued; a theoretical review of the literature and a summation of the practical experiences of black life.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

AFRCNA 0120 - AFRICAN AMERICAN EXPERIENCE SPORTS

Minimum Credits: 3
Maximum Credits: 3
This course examines blacks in sports. It focuses on sport as a microcosm of the larger society and also addresses sport's relationship to politics, economics, race relations, and South African apartheid. It looks at the history of blacks in sports as well as three aspects of sports that appear to be racially biased; position allocation, performance differentials, and rewards and authority structure.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

AFRCNA 0150 - AFRICAN AMERICAN LITERATURE

Minimum Credits: 3
Maximum Credits: 3
Introduction to black American literature from its oral traditions to the written form from the 18th to 20th century interrelated to historical social and political movements. Special emphasis will be placed upon the Harlem Renaissance period, the literature of the 1960's, and a work by the Pulitzer Prize winners (Gwendolyn brooks, James Alan McPherson, Alice Walker, or Toni Morrison).
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Literature General Ed. Requirement

AFRCNA 0318 - HISTORY OF AFRICA BEFORE 1800

Minimum Credits: 3
Maximum Credits: 3
Surveys history of Africa from earliest times to eve of European colonization. Looks at Africa from the inside out and aims at promoting an appreciation of Africa's contribution to world civilization and an understanding of the historical processes that have shaped modern Africa. Major themes and topics include the ancient kingdoms, Islam, the slave trade and the European contact.
Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: African Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req.

AFRCNA 0629 - AFRO-AMERICAN HISTORY 1

Minimum Credits: 3
Maximum Credits: 3
This course surveys the history of Afro-Americans from their African origins to their emancipation during the Civil War.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: African Studies, Global Studies, SCI Polymathic Contexts: Soc/Behav. GE. Req.

AFRCNA 0630 - AFRO-AMERICAN HISTORY 2

Minimum Credits: 3
Maximum Credits: 3
This course surveys the development of black Americans from the time of the Civil War to the present.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: African Studies, SCI Polymathic Contexts: Soc/Behav. GE. Req.

AFRCNA 0639 - 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
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, DSAS The Arts General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.

AFRCNA 1725 - SOCIAL AND HEALTH ISSUES IN EAST AFRICA

Minimum Credits: 3
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: Letter Grade

Anthropology

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 0710 - SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY

Minimum Credits: 3
Maximum Credits: 3
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: 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 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 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

ANTH 1602 - HUMAN SKELETAL ANALYSIS

Minimum Credits: 4
Maximum Credits: 4
This is an introduction to the study and analysis of the human skeleton, which will be based on lectures and lab. Topics include: development of teeth and bone, identification of whole bones and fragments and determination of sex, age, and stature (and other metric analyses), disease, and populational features. Real bony materials will be used in lab.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0150, BIOSC 0160, anthropology, or permission of instructor

ANTH 1619 - SPECIAL TOPICS IN PHYSICAL ANTHROPOLOGY

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

ANTH 1725 - SOCIAL AND HEALTH ISSUES IN EAST AFRICA

Minimum Credits: 3
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: Letter Grade

ANTH 1737 - SPECIAL TOPICS IN CULTURAL ANTHROPOLOGY

Minimum Credits: 3
Maximum Credits: 3
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: Seminar
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
Course Requirements: PREQ: ANTH 0780

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

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

Astronomy

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

Biology

BIOL 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1

Minimum Credits: 3
Maximum Credits: 3
A study of the gross and microscopic anatomy, physiology, and homeostatic mechanisms of the human body, stressing the relationship of structure to function. This semester covers cell types and tissues and the cellular processes of osmosis, diffusion, and active and passive transport; the integumentary system; the skeletal system and joints and bone metabolism; the muscular system and mechanisms of muscular contraction; the nervous system, mechanism of nerve impulse conduction, and the special and somatic senses. Three hours of lecture per week.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BIOL 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2

Minimum Credits: 3
Maximum Credits: 3
A continuation of the study of human anatomy and physiology. This semester covers the cardiovascular system and regulation of heart rate, blood pressure and volume, blood typing, and exchange between blood and somatic cells; the respiratory system and mechanisms of acid-base balance; the endocrine system and the regulation of hormone action and release; the digestive system and control of digestive enzymes; the urinary system and electrolyte balance; the immune system, defense mechanisms, and the inflammatory process; nutrition and anabolic and catabolic processes; the reproductive system and its hormonal regulation; and growth and development. Three hours of lecture per week.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BIOL 0222 - HUMAN ANATOMY AND PHYSIOLOGY LAB 1

Minimum Credits: 1
Maximum Credits: 1
A study of the gross and microscopic anatomy, physiology, and homeostatic mechanisms of the human body, stressing the relationship of structure to function. This semester covers cell types and tissues and the cellular processes of osmosis, diffusion, and active and passive transport; the integumentary system; the skeletal system and joints and bone metabolism; the muscular system and mechanisms of muscular contraction; the nervous system, mechanism of nerve impulse conduction, and the special and somatic senses. Three hours of lab per week.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

BIOL 0223 - HUMAN ANATOMY AND PHYSIOLOGY LAB 2

Minimum Credits: 1
Maximum Credits: 1

A continuation of the study of human anatomy and physiology. This semester covers the cardiovascular system and regulation of heart rate, blood pressure and volume, blood typing, and exchange between blood and somatic cells; the respiratory system and mechanisms of acid-base balance; the endocrine system and the regulation of hormone action and release; the digestive system and control of digestive enzymes; the urinary system and electrolyte balance; the immune system, defense mechanisms, and the inflammatory process; nutrition and anabolic and catabolic processes; the reproductive system and its hormonal regulation; and growth and development. Three hours of lab per week.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

Biological Science

BIOSC 0031 - MICROBIOLOGY

Minimum Credits: 3
Maximum Credits: 3
Designed for nursing or other health care professions. Three major areas included are the microorganisms, the immune mechanism of the host, and the interaction of the host and the microorganisms in the disease process and in homeostasis. Major emphasis is placed on infectious diseases and infection control at the nursing level.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: CREQ: BIOSC 0032

BIOSC 0032 - MICROBIOLOGY LAB

Minimum Credits: 1
Maximum Credits: 1
Content is devoted to the development of student's basic laboratory skills and application of microbiological methods, and the course emphasizes performance, scientific investigation, and safety.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade
Course Requirements: CREQ: BIOSC 0031

BIOSC 0050 - FOUNDATIONS OF BIOLOGY LABORATORY 1

Minimum Credits: 1
Maximum Credits: 1
This is the first course in a two-course sequence on the study of organisms in the laboratory and the field. We will work with techniques that are important in biology and apply these techniques to illustrate basic biological principles, with an emphasis on living organisms. The laboratory exercises focus on cell structure and function, basic cellular processes, plant structure and function, and basic animal anatomy and physiology.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: BIOSC 0150 or 0715 or 0170 or 0190 or BIOL 0101 or 0110 or BIOENG 1070

BIOSC 0060 - FOUNDATIONS OF BIOLOGY LABORATORY 2

Minimum Credits: 1
Maximum Credits: 1
This one-credit laboratory course is the second in a two-course sequence designed to be an introduction to scientific inquiry in the biological sciences for majors in biology and related fields. You will use genetics, biochemistry, and molecular biology to undertake authentic research exploring the evolution of metabolic pathways in different species.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

BIOSC 0096 - INTRODUCTION TO HUMAN SYSTEMS

Minimum Credits: 3
Maximum Credits: 3
Introduces the general principles of human structure and function to students who intend to enter the health related professions. The study begins at the cellular level and proceeds through tissues to organ systems.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: BIOSC 0097

BIOSC 0097 - INTRODUCTION TO HUMAN SYSTEMS LABORATORY

Minimum Credits: 1
Maximum Credits: 1
Laboratory exercises designed to illustrate the principles of human structure and function.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: BIOSC 0096

BIOSC 0100 - PREPARATION FOR BIOLOGY

Minimum Credits: 3
Maximum Credits: 3
This course is intended for students who have not had high school biology in the past five years. The course is also highly recommended for students who have not completed algebra. The lecture will over a subset of topics from foundations of biology 1 and 2, including a discussion of basic chemistry used in biology, cell biology including mitosis and meiosis, human anatomy and physiology, and an introduction to genetics. The weekly recitations will explore topics covered in lecture in more depth and integrate problem solving and study skills. Some laboratory exercises will be included in the recitation period to re-enforce the lecture topics by giving students the opportunity to investigate the experimental aspect of biology. The laboratory exercises and assignments will focus on basic math and writing skills.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req.

BIOSC 0150 - FOUNDATIONS OF BIOLOGY 1

Minimum Credits: 3
Maximum Credits: 3

This introductory course in biology is 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 to accomplish these basic functions.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: BIOSC 0050
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

BIOSC 0160 - FOUNDATIONS OF BIOLOGY 2

Minimum Credits: 3
Maximum Credits: 3
This introductory course covers the basic principles of 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: CREQ: BIOSC 0060
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

BIOSC 0212 - HUMAN ANATOMY AND PHYSIOLOGY 1

Minimum Credits: 3
Maximum Credits: 3
The first course of a two-part sequence covering gross and microscopic anatomy and physiology of the human body with particular emphasis on the relationships between structure and function. Included in the two courses are cell biology, histology, and 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 system, endocrine, and reproductive systems.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: 0214

BIOSC 0213 - HUMAN ANATOMY AND PHYSIOLOGY 2

Minimum Credits: 3
Maximum Credits: 3
This second course of the two-part sequence continues the study of gross and microscopic anatomy and physiology of the human body with particular emphasis on the relationships between structure and function.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0212; CREQ: BIOSC 0215

BIOSC 0214 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 1

Minimum Credits: 1
Maximum Credits: 1
Laboratory exercises illustrating the anatomy and physiology of the human.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: 0212

BIOSC 0215 - HUMAN ANATOMY AND PHYSIOLOGY LABORATORY 2

Minimum Credits: 1
Maximum Credits: 1
Laboratory exercises illustrating the anatomy and physiology of the human.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: 0213 or CREQ: 0213

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 0160 and CHEM 0120; CREQ BIOSC 0351

BIOSC 0351 - GENETICS LABORATORY

Minimum Credits: 1
Maximum Credits: 1
Laboratory exercises designed to illustrate the major principles of genetics.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0160 and CHEM 0120; CREQ: BIOSC 0350

BIOSC 0370 - ECOLOGY

Minimum Credits: 3
Maximum Credits: 3
The objective of the course is to provide a broad introduction to the study of ecology at the undergraduate level, through the presentation of lectures dealing with organismal, population, community, and ecosystem levels of hierarchical organization. The contributions of laboratory and field investigations to the development of ecological knowledge will be considered.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0160 or 0716 or 0191 or 0180 or BIOL 0102 or 0120; Min Grade 'C' for all

classes listed.
Course Attributes: Global Studies

BIOSC 0390 - ECOLOGY LABORATORY

Minimum Credits: 1
Maximum Credits: 1
The objective of the laboratory course is to provide students with practical experience in ecological methods and in the design, conduct, and analysis of ecological studies. Laboratory exercises are designed to correspond with major lecture topics presented in BIOSC 0370. Exercises will include laboratory and field studies.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0060 or 0067 or 0068 or 0080 or 0191 or BIOL 0102 or 0121; CREQ: BIOSC 0370 or 0371 or BIOL 1430 or 1515; Min Grade 'C' for all classes listed.

BIOSC 0810 - BIOLOGY FOR NON-MAJORS 2

Minimum Credits: 3
Maximum Credits: 3
At an ever-increasing pace, issues of biological relevance are confronting the citizenry of this country and the world. Ranging from personal through political to global, these issues require that individuals have at lEast a rudimentary knowledge of basic biological phenomena in order to make informed decisions. The major goal of this course, together with its companion, BIOSC 0800, is to provide students (citizens) with the intellectual tools needed to approach these issues as they arise.
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 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 0160 or 0716 or 0191 or 0180 or BIOENG 1071 or BIOENG 1072 or BIOL 0102 or 0120 and (CHEM 0120 or 0102 or 0112 or 0420 or 0720 or 0770 or 0970) (Min Grade 'C' for these courses) and (CHEM 0310 or 0350 or 0730 or 0206 or 0231)

BIOSC 1590 - SPECIAL TOPICS IN BIOLOGICAL SCIENCE

Minimum Credits: 1
Maximum Credits: 3
A single major topic in biology will be developed and explored by students in the form of student presentations of current and/or historical literature.
Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: LG/SNC Elective Basis

Business Information Systems

BIS 0015 - HARDWR MAINTEN & SOFTWR SUPPORT

Minimum Credits: 3
Maximum Credits: 3
Instructs students in basic pc hardware maintenance. Software support is also covered; students deal with trouble shooting software problems, logical resolutions of problems, and logging problems and solutions into a database for reference. Students are required to volunteer for 25 hours in the computer lab assisting students with problems.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: CS 0131

BIS 1317 - NETWORK AND OPERATING SYSTEMS

Minimum Credits: 3
Maximum Credits: 3
Introduces students to the basics of computer network setup. Provides the core foundation to install, configure, customize, optimize, network, integrate, and troubleshoot windows client software. Setup of a peer-to-peer network is reviewed, as well as integrating windows clients into an existing server environment.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Business

BUS 0102 - PRINCIPLES OF MANAGEMENT

Minimum Credits: 3
Maximum Credits: 3
Examines the systems philosophy in business and industry and the importance of the systems concept for supervisors.

Includes discussions of values, attitudes, employee and organizational development, and kindred matters.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BUS 0103 - INTRODUCTION TO BUSINESS

Minimum Credits: 3
Maximum Credits: 3
An introduction to business utilizing a "practical application" approach rather than the usual theoretical method. Students will observe the roles in business of the organization and management of contemporary business, production fundamentals, human resources, marketing, finance, insurance, accounting, decision making and computers and management information systems.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BUS 0106 - BUSINESS LAW

Minimum Credits: 3
Maximum Credits: 3
A survey of those areas of the law which are of particular importance to the individual in the business world. A framework will be developed based on the law of contracts and will deal with a number of topics.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BUS 0108 - SMALL BUSINESS MANAGEMENT

Minimum Credits: 3
Maximum Credits: 3
Course provides an overview of the role of small business in the free enterprise system. Covers entrepreneurship, opportunities and trends, starting a new venture, franchising, business planning, legal aspects, financing, and managing an ongoing venture.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

BUS 1111 - CORPORATE FINANCE

Minimum Credits: 3
Maximum Credits: 3
An introductory finance course designed for basic understanding of business finance and investments. It covers financial institutions, markets, investments, and business financing.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0111

BUS 1301 - PRINCIPLES OF MARKETING

Minimum Credits: 3
Maximum Credits: 3
The concepts of marketing management are introduced through discussion of the four P's of marketing - the right product in the right place, properly priced, and effectively promoted.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ACCT 0111

BUS 1398 - BUSINESS SPECIAL TOPICS

Minimum Credits: 1
Maximum Credits: 1
Academic Career: Undergraduate
Course Component: Independent Study
Grade Component: Letter Grade

BUS 1399 - BUSINESS MANAGEMENT INTERNSHIP

Minimum Credits: 1
Maximum Credits: 3
Selected topics in an identified area of study in business.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: BUS 1399 requires 2.5 GPA, Sophomore Status, Division Consent

Civil Engineering

CE 0109 - COMPUTER METH IN CIVIL ENGRG 1

Minimum Credits: 3
Maximum Credits: 3
An introduction to the use of computers in civil engineering. Topics covered include: personal computers; the mainframe system; word processing; spreadsheets; graphics; cad system; numerical analysis; and civil engineering software packages.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Chemical Engineering

CHE 0035 - INTRODUCTRY CHEMICAL ENGINEERING

Minimum Credits: 4
Maximum Credits: 4
The principles of conservation of mass and energy are applied to the analysis of chemical processes. Included are material balance for multiple unit processes with recycle, p-v-t properties of gases and gas-vapor mixtures, thermochemistry, combined material and energy balances, and vapor-liquid equilibrium.
Academic Career: Undergraduate

Course Component: Lecture
Grade Component: LG/SU3 Elective Basis

CHE 0036 - CHEMCL ENGRNG THERMODYNAMICS 1

Minimum Credits: 3
Maximum Credits: 3
Development of the laws of thermodynamics using a macroscopic approach. Fundamental concepts are stressed. Emphasis is placed on chemical engineering applications in problem recitation sessions. Concepts of work, heat, internal energy, potential energy, kinetic energy, enthalpy, entropy, and free energy are developed. Thermodynamic properties and equations of state are defined.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SU3 Elective Basis

Chemistry

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 0106 - CHEMISTRY OF THE ENVIRONMENT

Minimum Credits: 3
Maximum Credits: 3
A global view of the environment and its impact on our changing way of life is presented. How chemistry works and how chemistry is interconnected with other areas of life are studied. Environmental and resource problems and possible solutions are examined. Accurate and up-to-date material is presented using scientific analysis and mathematics.
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: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: MATH 0031

Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

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 or 0710 or 0760 or 0960 or 0101) or (CHEM 0410 and 0430) or (CHEM 0111 and 0113)
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

CHEM 0187 - DRUGS AND SOCIETY

Minimum Credits: 3
Maximum Credits: 3
The course intended for non-science majors provides facts about drug sources, history, action in the body, side-effects, interactions; tolerance, abuse potential, dependency; drug delivery systems and alternatives will be covered. All major classes of drugs will be covered.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

CHEM 0197 - DIRECTED STUDY

Minimum Credits: 1
Maximum Credits: 6
Independent study in a topic in chemistry.
Academic Career: Undergraduate
Course Component: Directed Studies
Grade Component: LG/SNC Elective Basis

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 and 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 or 0201 or 0325

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 0720 or 0770 or 0970 or 0102 or CHEM 0420) or (CHEM 0112 and 0114)

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 and CREQ: 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: CREQ: CHEM 0310 or 0730 or 0206 or 0231

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: PREQ: 0330 and CREQ: 0320

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
Course Requirements: PREQ: MATH 0031 or MATH 0110 or CREQ: MATH 0031 or MATH 0110
Course Attributes: DSAS Natural Science General Ed. Requirement

Classics

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 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 0500 - 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 traditions of Turkey and the near east, Egypt, Greece and Rome. Special attention will be paid to (1) the relationship between the artistic traditions of individual 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

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
Course Attributes: Childrens Literature, DSAS Geographic Region General Ed. Requirement, DSAS Literature General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

CLASS 1210 - GREEK HISTORY

Minimum Credits: 3
Maximum Credits: 3
A survey of the history of ancient Greece, with special emphasis on political and social developments during the fifth century B.C.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

CLASS 1220 - ROMAN HISTORY

Minimum Credits: 3
Maximum Credits: 3
A survey of the history of Rome from the earliest times through the late empire, with particular emphasis on political and social developments during the late republic and early empire.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

CLASS 1430 - 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

Engineering, Computer

COE 0031 - LINEAR CIRCUITS AND SYSTEMS 1

Minimum Credits: 4
Maximum Credits: 4
The analysis of linear circuits. Electric variables and circuit elements; kirchoff's and ohm's law; mesh and node equations; thevenin and norton equivalent circuits; first and second-order circuits; time domain analysis.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: (MATH 00150 or 0230 or 0231 or 0235) and (PHYS 0152 or 0175 or 0202 or 0476); PLAN: Computer Engineering (BSE)

COE 0041 - LINEAR CIRCUITS AND SYSTEMS 2

Minimum Credits: 3
Maximum Credits: 3
Sinusoidal steady-state analysis, network functions, real and reactive power, three-phase circuits, laplace transform method, two-port networks, and fourier series.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: ECE 0031 OR COE 0031

COE 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
Course Requirements: PREQ: (MATH 00150 or 0230 or 0231 or 0235) and (PHYS 0152 or 0175 or 0202 or 0476); PLAN: Computer Engineering (BSE)

COE 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 or computer engineering.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

COE 0441 - DISCRETE STRUCTURES FOR COMPUTER SCIENCE

Minimum Credits: 3
Maximum Credits: 3
The purpose of this course is to understand and use abstract discrete structures that are the 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 0031

COE 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 are 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: COE 0401 or CS 0401

COE 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: CREQ: COE 0445 or CS 0445; PLAN: Computer Engineering

Communication

COMM 0101 - INTRO TO HUMAN COMMUNICATION

Minimum Credits: 3
Maximum Credits: 3
An introduction survey course designed to familiarize students with the many contexts of human communication, such as interpersonal, small-group, organizational, public speaking and media communication.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

COMM 0201 - MASS MEDIA AND SOCIETY

Minimum Credits: 3
Maximum Credits: 3
Survey of the role of the mass media in American society and exploration of the uses of these media in public relations. Special emphasis will be given to methods of examining the control, content, audience, and effects of the press, radio, television, and motion pictures.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

COMM 0205 - SMALL GROUP COMMUNICATION

Minimum Credits: 3
Maximum Credits: 3
Designed to help students improve leadership and membership skills within the small group environment. A major research project is required.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

Communication: Rhetoric and Communication

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 0500 - ARGUMENT

Minimum Credits: 3
Maximum Credits: 3
This course introduces students to fundamental principles of argument, and develops argumentative skills through practice analysis and criticism.
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
Course Attributes: DSAS Creative Work General Ed. Requirement, SCI Expression: Communication General Ed. Req., SCI Polymathic Contexts: Humanistic GE. Req.

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 1106 - SMALL GROUP COMMUNICATION

Minimum Credits: 3
Maximum Credits: 3
Principles of small group communication are examined in this course. In particular, the examination will reveal the principles of group entry, group formation, group cohesiveness, group verbal and nonverbal message exchanges, group leadership, group problem solving and discussion, and group performance and satisfaction. Individual beliefs, attitudes and behaviors will be compared and contrasted with group beliefs, attitudes and behaviors.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: (COMMRC 0300 or 0030 or 0100 or 7300 or COMM 0101) and [ENGCMP 200 or (ENGCMP 0203 or 0205 or 0207 or 0208 or 0250 or FP 0003 or 0006 or ENGCMP 0004 or 0006 or 0020 or ENG 0102)]

Computer Science

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 0007 - INTRODUCTION TO COMPUTER PROGRAMMING

Minimum Credits: 3
Maximum Credits: 3
This is a first course in computer science programming. It is recommended for those students intending to major in computer science who do not have the required background for cs 0401. It may also be of interest to students majoring in one of the social sciences or humanities. The focus of the course is on problem analysis and the development of algorithms and computer programs in a modern high-level language.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Algebra General Ed. Requirement, DSAS Quant.-Formal Reason General Ed. Requirement

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 applicatons will be word processing, electronic spreadsheets and database management.
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 0135 - ADV SOFTWARE-PERSNL COMPUTING

Minimum Credits: 3
Maximum Credits: 3
Advanced study of the application and efficient use of software tools. Advanced word, advanced excel, access, PowerPoint, basic publisher, and basic FrontPage will be reviewed.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: CS 0131

CS 0180 - DATABASE DESIGN

Minimum Credits: 3
Maximum Credits: 3
Programming in a high-level language (such as visual basic). Integration of data collected into a database (such as access). Designed for business students.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

CS 0334 - INTERMEDIATE WEB SITE DESIGN AND DEVELOPMENT

Minimum Credits: 3
Maximum Credits: 3
The course will consist of advanced implementations of both markup as well as scripting languages. In addition, students will be introduced to a graphical interface application that will allow them to explore concepts of server side web development. A reflective programming language and database application will be used to introduce the server side web development concepts.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: CS 0007 or CS 0134

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
Course Attributes: DSAS Quant.-Formal Reason General Ed. Requirement

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 0031

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 COE 0401 or 0422 or CIST 0150 (MIN GRADE 'C' or Transfer)

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: CREQ: CS 0445 or COE 0445 or 0458 (Min Grade 'C' or Transfer)

CS 1399 - COMPUTER SCIENCE INTERNSHIP

Minimum Credits: 1
Maximum Credits: 3
Academic Career: Undergraduate
Course Component: Internship
Grade Component: Letter Grade
Course Requirements: GPA greater or equal to 2.5; LVL: Sophomore

Electrical Engineering

ECE 0031 - LINEAR CIRCUITS AND SYSTEMS 1

Minimum Credits: 4
Maximum Credits: 4
The analysis of linear circuits. Electric variables and circuit elements; Kirchhoff's and Ohm's Law; Mesh and Node Equations; Thevenin and Norton equivalent circuits; first and second-order circuits; time domain analysis.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: (MATH 0150 or 0230 or 00231 or 0235) and (PHYS 0152 or 0175 or 0202 or 0476); PROG: Swanson School of Engineering

ECE 0041 - LINEAR CIRCUITS AND SYSTEMS 2

Minimum Credits: 3
Maximum Credits: 3
Sinusoidal steady-state analysis, network functions, real and reactive power, three-phase circuits, laplace transform method, two-port networks, and Fourier series.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: ECE 0031 or COE 0031; PLAN: Electrical Engineering or Computer Engineering

ECE 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
Course Requirements: PREQ: (MATH 0150 or 0230 or 0231 or 0235) and (PHYS 0152 or 0175 or 0202 or 0476); PROG: Undergraduate Swanson School of Engineering

ECE 0142 - COMPUTER ORGANIZATION

Minimum Credits: 3
Maximum Credits: 3
Digital computer data representation, instruction formats, control, memory and input-output units, microprocessors, minicomputers.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: ECE 0132 or COE 0132; PROG: Swanson School of Engineering

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

Economics

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
Course Attributes: DSAS Social Science General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req.

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
Course Requirements: PREQ: MATH 0031 or permission of instructor
Course Attributes: DSAS Social Science General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req.

ECON 0200 - GAME THEORY PRINCIPLES

Minimum Credits: 3
Maximum Credits: 3
This course introduces the basic concepts of game theory. The emphasis is on the unifying perspective that game theory offers to questions in economics, other disciplines, and everyday life. The course draws on a wide range of substantive and intellectually stimulating applications of game theory across areas in economics, other disciplines, and beyond. It will enable students to view social interactions as strategic games, to use game theoretic concepts to predict behavior in these interactions and to conceive of ways in which altering the game affects social outcomes.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ECON 0206 - INTERMEDIATE MICROECONOMICS

Minimum Credits: 3
Maximum Credits: 3
The theories and techniques of price and output are studied. Topics include the theory and measurement of demand,

production functions, cost output relationships, pricing practices in competitive and oligopolistic markets, the roles of prices and profit in resource allocation and the functioning of a decentralized economic system.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ECON 0100, CS 0135, STAT, algebra proficiency, or permission of instructor

ECON 0230 - INTRODUCTION TO PUBLIC ECONOMICS

Minimum Credits: 3
Maximum Credits: 3
The objectives of this course are - to illustrate how basic economic principles can be used to determine the economic effects of government expenditure and tax policies; to develop the students' ability to analyze issues and to recognize the value judgments which lie behind various positions taken in current policy debates.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ECON 0100 or ECON 0800

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

ECON 0400 - LABOR AND THE ECONOMY

Minimum Credits: 3
Maximum Credits: 3
An introductory survey of contemporary labor developments and issues. Readings and lectures have a more historical and institutional perspective and less emphasis on analytical techniques than other labor offerings.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

ECON 0500 - INTRODUCTION TO INTERNATIONAL ECONOMICS

Minimum Credits: 3
Maximum Credits: 3
Provides an introduction to international economics. Half the topics are pure theory, half international monetary economics. Topics from the real world are analyzed. Topics include alternative pure trade theories; effects of trade barriers; U.S. commercial policy; forms of regional integration; balance of payments; elimination of balance of payments disequilibrium; international monetary system.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

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 1307 - ECONOMICS OF ENERGY & ENVIRONMNT

Minimum Credits: 3
Maximum Credits: 3
The course will examine the role of energy in economic development, models of efficient energy management, OPEC behavior and world oil crisis. Coverage extends into environmental issues (air pollution, solid waste, acid rain) and government policies.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ or COREQ: MATH 0031

Educational Psychology

EDPSY 0006 - INTRO TO EDUCATIONAL PSYCHOLOGY

Minimum Credits: 3
Maximum Credits: 3
Deals with the psychological aspects of the educational process. Theories and research from both psychology and educational psychology are examined in the areas of cognitive and social development, individual differences, culture, cognitive processes, learning, motivation, classroom management, and measurement.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

English

ENG 0100 - INTRODUCTION TO COLLEGE COMPOSITION

Minimum Credits: 3
Maximum Credits: 3
Designed to build self-confidence in the use of standard written English, including the ability to compose clear and correct standard English prose in sentences, paragraphs, and short essays.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

ENG 0101 - ENGLISH COMPOSITION 1

Minimum Credits: 3
Maximum Credits: 3
The first of two required competency courses in English composition, this course focuses on the writing process and on the kinds of writing common in the academic disciplines.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREREQ: C- or better in ENG 0100 or by placement exam or SAT

ENG 0102 - ENGLISH COMPOSITION 2

Minimum Credits: 3
Maximum Credits: 3
This is an extension of the skills mastered in ENG 0101, this course focuses on the processes of researching, writing, and presenting a term paper.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: ENG 0102 Requires PREQ of C- or better in ENG 0101

ENG 0218 - INTRO TO LITERATURE & ENVIRON

Minimum Credits: 3
Maximum Credits: 3
An introduction to some of the ways nature and the environment have been represented in poetry, fiction, film, and essays. Students will read some of the major literary statements about the environment by such writers as Alto Leopold, John Muri, Henry David Thoreau, William and Dorothy words worth, and others. The course will also look at nature writing as an exploration of religious, ethical, aesthetic, and other human concerns not obviously related to the non-human world.
Academic Career: UGRD
Course Component: Lecture
Grade Component: Letter Grade

English Composition

ENGCMP 0150 - WORKSHOP IN COMPOSITION

Minimum Credits: 3
Maximum Credits: 3
This course is designed to give students who have had limited experience with writing an opportunity to increase their control of written language and their confidence in performing academic inquiry, analysis and argument. Students write in response to weekly assignments, and instruction focuses on helping students to extend, revise, and edit their work.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Workshop in Comp. General Ed. Requirement

ENGCMP 0200 - SEMINAR IN COMPOSITION

Minimum Credits: 3
Maximum Credits: 3

This introductory course offers students opportunities to improve as writers by developing their understanding of how they and others use writing to interpret and share experience, affect behavior, and position themselves in the world. Specific reading and writing assignments may vary from section to section, but student writing will be the primary focus in all sections. The course is designed to help students become more engaged, imaginative, and disciplined composers.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ENGCMP 0150 or ENGCMP 0152
Course Attributes: DSAS Seminar in Comp. General Ed. Requirement, SCI Expression: Intro Composition General Ed. Req.

ENGCMP 0211 - LIBRARY RESEARCH METHODS

Minimum Credits: 1
Maximum Credits: 1
Provides the opportunity for students to acquire skills in library research techniques. Professional librarians instruct students in developing search strategies for gathering information using such resources as the online catalog, periodical indexes, electronic resources, and others.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: ENGCMP 0211 requires PREQ or COREQ ENG 0101

ENGCMP 0400 - WRITTEN PROFESSIONAL COMMUNICATION

Minimum Credits: 3
Maximum Credits: 3
This course explores the methods of inquiry, analysis and composition characteristic of written communication in professional settings. The course will examine such writing's specialized use of language, conventions and formats, premises, motives, and purposes. By preparing letters, resumes, proposals, reports, etc. Students will get a feel not only for what "professional" communication is, but also for how and why it does, or can, or should function.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ENGCMP 0200
Course Attributes: SCI Expression: Tech/Bus/Res writing Gen. Ed. Req., Writing Requirement Course

ENGCMP 0440 - CRITICAL WRITING

Minimum Credits: 3
Maximum Credits: 3
Students in this course will be trained in the responsible development and articulation of written opinions. Material drawn from various media will be used to help students increase their powers of observation and analysis that they may learn the art of making discriminating evaluations of situations, events, issues, controversies, artifacts and objects.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: ENGCMP 0200 or equivalent
Course Attributes: Writing Requirement Course

ENGCMP 0600 - INTRODUCTION TO TECHNICAL WRITING

Minimum Credits: 3
Maximum Credits: 3
This introductory course is for students in various technical fields. Representative technical reports will be studied, as well as abstracts, the presentation of visuals and oral communication. Writing assignments will emerge from case studies reflecting on-the-job challenges.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

English Film

ENGFLM 0400 - INTRODUCTION TO FILM

Minimum Credits: 3
Maximum Credits: 3
This is a basic course on the visual arts that offers the student abroad introduction to the medium of film. As part of this overview, the class will consider such issues as: the process of contemporary film production and distribution; the nature of basic film forms; selected approaches to film criticism; comparisons between film and the other media.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS The Arts General Ed. Requirement, Film Studies, SCI Polymathic Contexts: Humanistic GE. Req.

English Literature

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
Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req., Writing Requirement Course

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

Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req., Writing Requirement Course

ENGLIT 0345 - LITERATURE AND THE ENVIRONMENT

Minimum Credits: 3
Maximum Credits: 3
In this course, students will read and write about the environment and its issues as expressed through literature. Readings in fiction, poetry, and non-fiction will explore how the geography of a location influences the character of its inhabitants, and how the forces of nature affect their lives and fortunes. Writing will consist of personal and critical short essays as well as a longer essay/project involving independent readings and research.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SU3 Elective Basis

ENGLIT 0354 - WORDS AND IMAGES

Minimum Credits: 3
Maximum Credits: 3
This interdisciplinary course explores the relationships between language and the diverse kinds of images that often accompany it (film, video, photography, book illustration, painting, etc.). The goal is to study the parallels and differences between images and words (as systems of communication) and to understand how they can productively interrelate within creative works such as literature, films, videos, and photographic studies.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Requirements: C- or better in ENGCMP 0150

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
Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req., Writing Requirement Course

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 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
Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req., Writing Requirement Course

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
Course Attributes: DSAS Literature General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Humanistic GE. Req., West European Studies, Writing Requirement Course

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 0610 - 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
Course Requirements: C- or better in ENGCMP 0150

ENGLIT 0617 - CHANGING FAMILIES

Minimum Credits: 3
Maximum Credits: 3
This course will explore varying literary representations of unconventional families including families made by adoption, foster families resulting from migration, multiracial families, and families involving gay, lesbian, or transgender parents or children. Considering different points of view, it will examine plots involving search for family, search for identity, construction of family, loss, conflict, poverty, prejudice, and reconciliation. The course will explore how these works portray and relate to changing attitudes toward childhood, parenthood, heredity, nurture, race, class, nation, and sexuality. As a literature course, it will train students in close reading and critical analyses of texts.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.

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
Course Attributes: DSAS Literature General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.

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: PREQ: C- or better in ENGCMP 0150

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 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

Engineering

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: PREQ or COREQ: MATH 0220 and ENGR 0081

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 and CREQ: MATH 0230 and ENGR 0082

ENGR 0020 - PROBABILITY AND STATISTICS FOR ENGINEERS 1

Minimum Credits: 4
Maximum Credits: 4
An introductory course in statistics. Topics covered include: data analysis, probability, randon variables, selsected discrete and continuous probability distributions, one sample and two sample estimation, hypothesis testing, experiments with two factors and introduction to regression analysis.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: MATH 0150 or 0230 or 0231 or 0235; PROG: Swanson School of Engineering

ENGR 0022 - MATERIALS STRUCTURE AND PROPERTIES

Minimum Credits: 3
Maximum Credits: 3
An introduction to the basic concepts of materials science and engineering. The concepts of atomic, crystal, micro- and macro-structure, their control and effects on chemical, electrical, magnetic, optical, and mechanical properties. Modification of properties by heat treatment and control of processing. Fundamental considerations in materials selection.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: (MATH 0150 or 0230 or 0231 or 0235) and (PHYS 0150 or 0174 or 0201 or 0475); PROG: School of Engineering

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
Course Requirements: CREQ: ENGR 0011 or 0711

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
Course Requirements: PREQ: ENGR 0081; CREQ: ENGR12

English Writing

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: C- or better in ENGCMP 0200

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: C- or better in ENGCMP 0200

French

FR 0001 - ELEMENTARY FRENCH 1

Minimum Credits: 3
Maximum Credits: 3
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: 3
Maximum Credits: 3
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

FR 0101 - ELEMENTARY FRENCH 1

Minimum Credits: 3
Maximum Credits: 3
A study of the grammar and vocabulary of elementary spoken and written French. Stresses grammatical structure and

its correct application.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

FR 0102 - ELEMENTARY FRENCH 2

Minimum Credits: 3
Maximum Credits: 3
A continuation of elementary French 1. A study of the grammar and vocabulary of elementary spoken and written French. Stresses grammatical structure and its correct application.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: FR 0102 requires pre-requisite of FR 0101
Course Attributes: DSAS Second Language General Ed. Requirement

Freshman Studies

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

Geology

GEOL 0024 - METEOROLOGY

Minimum Credits: 4
Maximum Credits: 4
This course will provide students with an overview of the earth's weather systems. Emphasis will be on lab-centered, hands-on activities designed to demonstrate weather phenome non through a holistic approach. Topics will include, but are not limited to, structure and composition of the atmosphere, global patterns of circulation, pressure systems, fronts, air masses, weather maps and weather prediction, and climate systems. Students will be required to complete weekly assignments; there will be a semester project; at least one class session will be a field trip.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SU3 Elective Basis

GEOL 0101 - PHYSICAL GEOLOGY

Minimum Credits: 4
Maximum Credits: 4
This course serves as an introduction to the earth sciences. The lectures and laboratory exercises will cover a broad range of topics related to the physical geology, but also minor aspects of the historical geology. The topics covered include, but not limited to, Maps, Minerals, Rocks, Tectonic activity, Volcanoes, Sediments, Geologic time, Natural

resources, Landscapes, Hazards, Life through time, and Evolution, etc. The course has a three (3) hour lab component during which you will be conducting a variety of laboratory exercises which will allow you to review and understand important geologic concepts and processes. Physical Geology is a laboratory science course and satisfies the Physical Science (PH) and science lab requirement for the General Education (GE). The lecture and the laboratory elements are integrated.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

GEOL 0800 - GEOLOGY

Minimum Credits: 3
Maximum Credits: 3
Geology is the study of how the earth works. This class covers the classification and origin of basic rocks and minerals; examines the role of plate tectonics in shaping the earth and producing such hazards as earthquakes and volcanoes; and examines the forces that shape beaches and rivers and sometimes threaten our lives and property. We also survey the evidence for changing climate and the future of such resources as groundwater, fossil fuels, and ores.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

GEOL 0802 - GEOLOGY OF THE NATIONAL PARKS

Minimum Credits: 3
Maximum Credits: 3
The magnificent scenery of the national parks provides a backdrop to an exploration of the basic geological principles that govern the creation and development of landscapes. The geological history of the North American continent will be explored in order to provide a framework in which to understand the development of the landscapes of our country.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC 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

History of Art and Architecture

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
Course Attributes: DSAS Cross-Cult. Awareness General Ed. Requirement, DSAS The Arts General Ed. Requirement, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

HAA 0020 - INTRODUCTION TO ASIAN ART

Minimum Credits: 3
Maximum Credits: 3
This base level survey is meant, on the one hand, to introduce the student to the arts of Japan, China, and India and on the other, to teach some fundamental techniques of visual analysis. The course considers the development of Chinese bronzes, Chinese Buddhist sculpture, Indian Hindu and Buddhist sculptures, and Japanese temples, sculptures, and paintings.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: Asian Studies, DSAS Cross-Cult. Awareness General Ed. Requirement, DSAS The Arts General Ed. Requirement, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req.

HAA 0040 - INTRODUCTION TO WESTERN ARCHITECTURE

Minimum Credits: 3
Maximum Credits: 3
Introduces students to the conscious observation and analysis of architecture and to a broad survey of the major masterpieces of architecture in Western civilization. Formative concepts behind the designs, structural principles involved in the construction, and societal values promoted and reinforced by the formal character of buildings will be considered along with the analysis of style. Required for the architectural studies major and recommended as a beginning course for others interested in architecture.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: Architectural Studies, DSAS The Arts General Ed. Requirement, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

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
Course Attributes: DSAS The Arts General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

HAA 0070 - ART OF EUROPE

Minimum Credits: 3
Maximum Credits: 3
An introduction to European art and architecture from the early Renaissance to the present. The course will also include American works from the 18th century onwards.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS The Arts General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

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

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 Attributes: DSAS Geographic Region General Ed. Requirement, DSAS The Arts General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

HAA 0440 - FRANK LLOYD WRIGHT

Minimum Credits: 3
Maximum Credits: 3
This course will deal with the life of the man who was America's greatest architect and one of the principal world figures in the art of building in the Twentieth Century. The lectures will treat his formation as an architect as well as the development of his career and will focus upon a theoretical analysis of wright's work in comparison with that of his great contemporaries.
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

History

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
Course Attributes: DSAS Geographic Region General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, Global Studies, Medieval & Renaissance Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

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
Course Attributes: DSAS Geographic Region General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, Global Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

HIST 0300 - RUSSIA TO 1860

Minimum Credits: 3
Maximum Credits: 3
This course examines the social, political, economic and intellectual developments of Russia from the Great Reforms of Peter to the Emancipation of the Serfs in 1861.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HIST 0301 - RUSSIA TO 1917

Minimum Credits: 3
Maximum Credits: 3
This course analyzes the major social and economic problems of the Russian Empire from the emancipation of 1861 through the Revolution of 1917. The emphasis is on understanding the major issues that precipitate the first "socialist" Revolution in European history.
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 0401 - MODERN EAST ASIAN CIVILIZATION

Minimum Credits: 3
Maximum Credits: 3
This survey of Chinese and Japanese history in the nineteenth and twentieth centuries compares and contrasts the development of these two East Asian nations through a format that includes lectures, discussions, films, and readings.
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
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req.

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

Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req.

HIST 0670 - AFRO-AMERICAN HISTORY 1

Minimum Credits: 3
Maximum Credits: 3
This course surveys the history of Afro-Americans from their African origins to their emancipation during the Civil War.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: African Studies, DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, Global Studies, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req.

HIST 0671 - AFRO-AMERICAN HISTORY 2

Minimum Credits: 3
Maximum Credits: 3
This course surveys the development of black Americans from the time of the Civil War to the present.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req.

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 0676 - RELIGION IN MODERN AMERICA

Minimum Credits: 3
Maximum Credits: 3
This course examines the impact of religion as a moral, intellectual, and institutional force in America from 1865 to the present. We seek to understand how religions have both shaped and reflected economic, social, and cultural conditions in the United States. The course format combines lecture with student discussion of religious conflicts and critical moments of cultural change. Documentary films, slides, and local sites are also used. Major emphases include religious responses to intellectual, scientific, and economic change, including Biblical criticism, evolutionary theory, immigration, urbanization, industrialization, Marxism, fascism, racism, feminism, and globalization.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HIST 0678 - UNITED STATES AND THE HOLOCAUST

Minimum Credits: 3
Maximum Credits: 3
With increasing interest in the Holocaust in Europe, this course focuses on the American side of the Atlantic - on issues of anti-Semitism and anti-immigrant sentiment in this country and on America's response to the Holocaust. We will also look at some post-Holocaust issues as well.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, Global Studies, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

HIST 0685 - UNITED STATES FOREIGN RELATIONS

Minimum Credits: 3
Maximum Credits: 3
The course emphasizes three significant periods of development: (a) the period of origins, 1775-1825, (b) the period of hesitant entry onto the international scene, 1890-1941, and (c) the period of full participation in international affairs, 1941-present. In the process the course endeavors to demonstrate the changing role of such concepts as security, neutrality, isolationism, expansionism, and intervention in the evolution of the nation's conduct of foreign affairs.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Historical Analysis General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req.

HIST 0751 - ANCIENT WORLDS

Minimum Credits: 3
Maximum Credits: 3
This is a lecture course on the earliest cultures of Egypt, Mesopotamia and China. The approach is comparative. The course will focus on the similarities and the differences in the cultural development of these ancient civilizations, and will stress their contributions and legacies to the civilizations of today.
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
Course Attributes: DSAS Geographic Region General Ed. Requirement, Global Studies, Russian & East European Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req.

HIST 0795 - HISTORY OF AFRICA BEFORE 1800

Minimum Credits: 3
Maximum Credits: 3
Surveys history of Africa from earliest times to eve of European civilization. Looks at Africa from the inside out and aims at promoting an appreciation of Africa's contribution to world civilization and an understanding of the historical processes that have shaped modern Africa. Major themes and topics include ancient kingdoms, Islam the slave trade and the European contact.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC 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 1045 - SOCIALISM VERSUS CAPITALISM

Minimum Credits: 3
Maximum Credits: 3
The course covers the economic changes that produced capitalism; the attempts to understand capitalism which culminated in the theories of Adam Smith; the problems of communist societies and their attempts to return to some form of capitalism.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HIST 1083 - HISTORY OF SPORTS

Minimum Credits: 3
Maximum Credits: 3
The course will survey the history of sports, focusing primarily on the 20th century. We will balance consideration of professional sports with that of the games the people play. We will look both at the impact of television as well as the new fitness (revolution). Topics considered will include women in sports, the commercialization of culture and collegiate sports. A major focus will be the role in sports in Pittsburgh in the past 50 years.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

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 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

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 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

Course Attributes: DSAS Historical Analysis General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req., Urban Studies

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 1685 - U.S. POPULAR CULTURE

Minimum Credits: 3
Maximum Credits: 3
This course examines the development and social impact of mass-produced and mass-consumed forms of culture in Twentieth Century America.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

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

Education, Health, Physical and Recreation

HPRED 0106 - NUTRITION

Minimum Credits: 2
Maximum Credits: 2
An introduction to the processes involved in nourishing the body. Emphasis will include a study of nutrients and their physiological impact and inter-relationships within the body, and the quality of diet.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HPRED 0107 - NUTRITION LABORATORY

Minimum Credits: 1
Maximum Credits: 1
Laboratory exercises designed to illustrate the principles of nutrition and the relationship between nutrition and health.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis
Course Requirements: CREQ: HPRED 0106

HPRED 1021 - HEALTH THEORIES AND PROGRAMMING

Minimum Credits: 3
Maximum Credits: 3
The course introduces students to the major health theories that are used to plan, implement, and evaluate health promotion and disease prevention interventions for schools, workplaces, healthcare organizations and communities. Using the theories students design a health intervention.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

History and Philosophy of Science

HPS 0437 - DARWINISM AND ITS CRITICS

Minimum Credits: 3
Maximum Credits: 3
Charles Darwin's ideas have had an enormous impact on biology and on culture generally. These ideas have been criticized within biology, by philosophers, social theorists and religious fundamentalists. This course studies the historical growth of Darwinism and the criticisms mentioned, and evaluates those criticisms and their impact on the theory.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Historical Analysis General Ed. Requirement, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req.

HPS 0610 - CAUSAL REASONING

Minimum Credits: 3
Maximum Credits: 3
Do school vouchers really help inner city students become better educated? Do gun control laws really make society safer? This course examines how scientists reason about causal claims like these. It considers use of scientific statistical

data that informs our public policy debates. The course uses an interactive, web-based text and exams. In addition, there is an on-line virtual "causality lab" in which students will set up, run, and then analyze simulated experiments. They will construct causal theories, use the lab to derive predictions from these theories, and then test the predictions against the simulated data. While course materials are delivered on-line.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HPS 0613 - MORALITY AND MEDICINE

Minimum Credits: 3
Maximum Credits: 3
Ethical dilemmas in the practice of health care continue to proliferate and receive increasing attention from members of the health care profession, ethicists, policy makers, and the general public as health care consumers. In this course we will examine a number of ethical issues that arise in the context of contemporary medical practice and research by analyzing articles and decision scenarios. Topics to be covered typically include the physician-patient relationship; informed consent; medical experimentation; termination of treatment; genetics; reproductive technologies; euthanasia; resource allocation; and health care reform. Students who successfully complete this course will be able to identify and analyze different philosophical approaches to selected issues in medical ethics; have gained insight into how to read and critically interpret philosophical arguments; and have developed skills that will enable them to think clearly about ethical questions as future or current health care providers, policy makers, and consumers. This course is part of a core sequence leading to Certification in the Conceptual Foundations of Medicine Certificate Program, and is a companion course to HPS 0612 (Mind and Medicine) but may be taken independently. The course is of particular interest to pre-medical and pre-health care students.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HPS 0620 - SCIENCE AND RELIGION

Minimum Credits: 3
Maximum Credits: 3
Are science and religion at odds or harmonizable? Do they coincide or represent completely separate discourses? This course examines the relationship between science, rationality, faith, and religion. Special attention will be given to ancient creation narratives and their interpretation, historical dialogues regarding faith and reason in the Western monotheist faiths (Christianity, Judaism, Islam), the scientific revolution, and various approaches to evolutionary theory. We will also consider practical, contemporary issues such as neuroscience and religious practice, ecology and faith, and scientific views toward gender and race.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HPS 0630 - SCIENCE AND PSEUDOSCIENCE

Minimum Credits: 3
Maximum Credits: 3
This course probes the distinction between genuine and pseudo-science using a number of case studies, including ESP and other paranormal phenomena, scientific creationism, UFO's and extraterrestrial life, etc.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HPS 1612 - PHIL OF 20TH CENTURY PHYSICS

Minimum Credits: 3
Maximum Credits: 3
An examination of the fascinating philosophical problems to which modern physical theories have given rise. No previous formal training in physics or mathematics will be presupposed, since the basic physical ideas needed will be introduced largely qualitatively with an emphasis on concepts rather than equations. Topics will vary from year to year with instructor, but center around classical mechanics, quantum mechanics, and relativity theory.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Health Related Professions

HRP 0080 - HEALTH SCIENCES INTERNSHIP

Minimum Credits: 1
Maximum Credits: 3
Provides an opportunity for students to observe health professionals in their work environment.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: Sophomore or higher; 2.5 GPA; Division Consent

HRP 0090 - INTRO TO MEDICAL TERMINOLOGY

Minimum Credits: 3
Maximum Credits: 3
Basic study of the professional language of medicine, including word construction, pronunciation, spelling, definition, and the use of terms from all areas of medical science and hospital service.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HRP 0184 - INTRO TO SCIENCE FOR HEALTH PROF

Minimum Credits: 3
Maximum Credits: 3
Provides an overview of the topics important to the student preparing for a career in health care. Physics, chemistry, and biology are interrelated to provide insight into the mechanisms and physical forces controlling and circumscribing life processes on our planet.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HRP 0410 - APPLIED KINESIOLOGY

Minimum Credits: 3
Maximum Credits: 3
Analysis of movement based on a knowledge of anatomy and physiology as applied to the function of body mechanics.
Academic Career: Undergraduate

Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: BIOSC 0212 and BIOSC 0214 and HRP 0184 and (MATH 0031 or MATH 0110); Min grade 'C-" for all courses listed

HRP 0411 - APPLIED KINESIOLOGY LAB

Minimum Credits: 1
Maximum Credits: 1
Lab covers neuromuscular skeletal anatomy, physiology, biomechanics and kinesiology in depth. Successful completion of the competency exams is required to pass this course.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

HRP 0420 - CLINICAL PATHOLOGY

Minimum Credits: 3
Maximum Credits: 3
A survey of the major aspects of the disease process, covering such topics as inherited disease, infections, neoplasia, nutritional and metabolic deficits, and disorders due to physical agents. Also incorporates the disease process as it affects individual organ systems and a discussion of laboratory diagnostic procedures.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: BIOSC 0213 and BIOSC 0215

HRP 0421 - CLINICAL PATHOLOGY/PATHOPHYSIOLOGY LAB

Minimum Credits: 1
Maximum Credits: 1
Students are expected to demonstrate an understanding of pathophysiological principles by completing clinical case studies that highlight the particular pathophysiological processes related to their clients. Two written case studies are required. One of those case studies will serve as a class presentation and discussion.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

Human Services

HUSERV 0331 - INTRODUCTION TO HUMAN SERVICES

Minimum Credits: 3
Maximum Credits: 3
Provides a comprehensive introduction to the knowledge and skills required for successful human services work. Topics include history and issues in human services work, philosophical models, methods of services delivery, and professional roles. In addition, an overview of different populations frequently served by the human services delivery system will be presented.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

HUSERV 0399 - HUMAN SERVICES INTERNSHIP

Minimum Credits: 3
Maximum Credits: 3
Intended to be completed in the final term of program. Students spend 100 hours in a supervised internship in an approved human services location. Students are expected to produce a research report from their internship that includes application of skills learned in didactic course work, such as statistical methods, computer applications, and human services philosophies. Students are required to deliver two presentations based on this report, one at the internship site and one on campus.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: LG/SNC Elective Basis
Course Requirements: Sophomore or higher; 2.5 GPA; Division Consent

Instruction Learning

IL 0210 - COLLEGE READING & STUDY SKILLS

Minimum Credits: 3
Maximum Credits: 3
This is a computer based course designed to provide assistance for students in achieving academic success. Course content includes self-management, vocabulary development, reading comprehension, study strategies, and preparation for examinations. Additionally, students study and practice using online databases and other resources.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SU3 Elective Basis

Journalism

JOURNL 1173 - INTERNSHIP

Minimum Credits: 3
Maximum Credits: 12
3-, 6-, 9-, and 12-credit journalism internships have been established with area media, businesses, and organizations in order to provide a practical experience supplement to the academic program. Six internship credits may be applied to the journalism major. The credit value of each internship program is determined by the number of working hours involved.
Academic Career: Undergraduate
Course Component: Internship
Grade Component: H/S/U Basis

Mathematics

MATH 0029 - FUNDAMENTALS OF MATH 1

Minimum Credits: 3
Maximum Credits: 3
Designed for students with little background in algebra. Topics covered are arithmetic with fractions, properties of real numbers, arithmetic with signed numbers, solving and graphing linear equations, and solving and graphing linear inequalities.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

MATH 0030 - FUNDAMENTALS OF MATH 2

Minimum Credits: 3
Maximum Credits: 3
Designed for students with some background in algebra. Topics covered are properties of exponents, factoring, polynomial arithmetic, rational expressions, radicals, and rational exponents.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: C- or better in Math 0029 or by placement exam

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
Course Requirements: PREQ: C- or better in MATH 0030 or by placement exam
Course Attributes: DSAS Algebra General Ed. Requirement

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
Course Requirements: PREQ: C- or better in MATH 0031
Course Attributes: DSAS Algebra General Ed. Requirement

MATH 0110 - FUNDAMENTALS OF MATHEMATICS

Minimum Credits: 3
Maximum Credits: 3
Introduction to calculators, statistics, probability, matrices, consumer mathematics, and elementary difference equations exhibiting chaos, and decision making are among the topics covered.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade
Course Requirements: PREQ: C- or better in MATH 0030 or by placement exam

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: C- or better in MATH 0031 or by placement exam
Course Attributes: DSAS Algebra General Ed. Requirement, DSAS Quant.-Formal Reason General Ed. Requirement, SCI Quantitative: Mathematics GE. Req.

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: PRE-REQ OF C- OR BETTER IN MATH 0031 OR BY PLACEMENT EXAM
Course Attributes: DSAS Algebra General Ed. Requirement

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: PREREQ: C- or better in Math 0200 or Math 0032 or by placement exam
Course Attributes: Architectural Studies, DSAS Algebra General Ed. Requirement, DSAS Quant.-Formal Reason General Ed. Requirement, SCI Quantitative: Mathematics GE. Req.

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: C or better in Math 0220
Course Attributes: Architectural Studies, DSAS Algebra General Ed. Requirement, DSAS Quant.-Formal Reason General Ed. Requirement, SCI Quantitative: Mathematics GE. Req.

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: C or better in MATH 0230
Course Attributes: DSAS Algebra General Ed. Requirement, DSAS Quant.-Formal Reason General Ed. Requirement, SCI Quantitative: Mathematics GE. Req.

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 (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
Course Requirements: MATH 0280
Course Attributes: SCI Quantitative: Mathematics GE. Req.

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

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

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

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

Mechanical Engineering

ME 0024 - INTRODUCTION TO MECHANICAL ENGINEERING DESIGN

Minimum Credits: 3
Maximum Credits: 3
Provides knowledge of design graphics and manufacturing processes by conventional and computer-aided methods.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

Management

MGMT 1401 - BUSINESS SOCIETY & INT'L ENVRN

Minimum Credits: 3
Maximum Credits: 3
Business is no longer defined simply as an economic entity, and successful managers must concern themselves with more than economic issues. Using a wide variety of cases, this course examines the political, social, environmental, ethical, and international dimensions of the business environment.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: MGMT 1401 requires pre-requisites of MATH 0031 and ENGCMP 0200 or ENG 0101

Music

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 0611 - COLLEGIATE CHORALE

Minimum Credits: 1
Maximum Credits: 1
Open to students, faculty, staff, and community. The study and performance of traditional and contemporary choral works.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

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
Course Attributes: DSAS Historical Analysis General Ed. Requirement, DSAS The Arts General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req.

Nursing

NUR 0066 - NUTRITION FOR CLINICAL PRACTICE

Minimum Credits: 3
Maximum Credits: 3
This course focuses on nutrition for clinical practice for nurses. Food for energy and the major nutrients are considered for the promotion of health and for medical nutrition therapy for selected disruptions of health. Emphasis is placed on nutrition assessment and interventions in relation to the goals of the current healthy people document and dietary guidelines for Americans.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

NUR 0106 - SUCCEEDING IN NURSING EDUCATION

Minimum Credits: 1
Maximum Credits: 1
This course will provide opportunity for the nursing student to acquire skills necessary to successfully negotiate the educational journey to associate degree completion and state board examination. Strategies to cope with roadblocks to success will be presented in a relaxed seminar environment. Some topics to be presented included test-taking strategies, relaxation and stress management, time management and coping skills utilized to deal with family pressures.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

NUR 0109 - CLINICAL CALCULATIONS

Minimum Credits: 1
Maximum Credits: 1
This course uses metric, apothecary, and household systems of measurement with a ratio/proportion method to calculate and plan preparation and administration of medications for all ages. Included are critical thinking skills to ensure safety and accuracy in dosage calculations for medication administration.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

NUR 0111 - FUNDAMENTALS OF NURSING

Minimum Credits: 7
Maximum Credits: 7
Fundamentals of nursing introduces students to various aspects of the nursing curriculum; Orem's theory, Roy's adaption model, Erickson's developmental theory, Maslow's basic human needs; concepts of stress and adaption, health illness continuum, nursing process, teaching and learning theories, nursing history, nursing roles and psychosocial and cultural influences on man, health and nursing. Legal and ethical principles, communication skills, documentation format, drug calculation, fluid balance and beginning clinical theories and skills are also taught.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

NUR 0300 - NURSING FOUNDATIONS

Minimum Credits: 3
Maximum Credits: 3
Students are introduced to various theories and concepts that are fundamental to nursing practice. They include: Orem's theory, Roy's adaptation model, Erikson's developmental theory, Maslow's basic human needs; concepts of stress and adaptation, health-illness continuum, health care delivery systems, the scope of nursing practice, legal and ethical principles including the nurse practice act and HIPPA regulations, professional standards and organizations, communication strategies, teaching and learning theories and critical thinking concepts and strategies emphasizing the nursing process.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

NUR 0350 - NURSING FUNDAMENTALS

Minimum Credits: 6
Maximum Credits: 6
Students are introduced to elements of nursing practice that are common to most clients and areas of practice. This course builds on the skills, knowledge, theories and concepts gained from the nursing foundations course and the natural and social sciences. This course focuses on pursuing critical thinking as the foundation for the nursing process. Through establishment of a therapeutic nurse-client relationship, the student becomes proficient in nursing assessment and physical examination of the individual. Based on individual patient needs and priorities, the student implements therapeutic nursing interventions to provide safety, hygiene and comfort. The concepts that are emphasized in this course include: health assessment, patient safety in the health care environment, fluid and electrolytes, principles of applied pathophysiology, principles of asepsis and hygiene, comfort and psychosocial support strategies, and pain recognition and management. This course includes a focused component on the care of the older adult emphasizing a holistic approach to promoting wellness. Utilization of the nursing process is directed toward maximizing the quality of life of the older adult. Students are guided to greater levels of understanding of their attitudes and perceptions of the dimensions of aging.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: Letter Grade
Course Requirements: PREQ: C or better in NUR 0300

NUR 0400 - ADULT MEDICAL SURGICAL NURSING

Minimum Credits: 8
Maximum Credits: 8
This course builds on the knowledge and skills from the fundamentals of nursing practice course. This course provides students with opportunities to integrate theories, concepts and skills in delivering care to hospitalized adult clients in a variety of acute care facilities. Students gain knowledge of complex physiological and psychosocial stressors and adaptations related to health alterations of a medical-surgical nature. Alterations in cardiovascular, respiratory, reticuloendothelial, hepatic, immune system, nervous/sensory, musculo-skeletal, reproductive and gastrointestinal systems will be discussed. Care of the client during the perioperative period is included.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: Letter Grade

NUR 0450 - FAMILY AND MENTAL HEALTH

Minimum Credits: 9
Maximum Credits: 9
This course builds on the knowledge and skills from the NUR 0400 course. This course provides students with opportunities to integrate theories, concepts and skills in delivering care to clients in recognized phases of change or development - the perinatal period, children and families from infancy through adolescence, and clients experiencing mental health alterations. Utilizing the nursing process as a framework, students develop culturally appropriate nursing strategies to influence health. Concepts that are emphasized in this course include: collaborative practice among the health care team; a focus on the family as a resource in the treatment of illness and the promotion of wellness; and therapeutic nurse-client interactions. Students will rotate through obstetrics, pediatric and mental health care facilities during this course.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: Letter Grade

NUR 0500 - COMPLEX AND COMMUNITY HEALTH

Minimum Credits: 9
Maximum Credits: 9
This course builds on the knowledge and skills from the NUR 0450 course. This course requires that the students apply knowledge of the nursing process to the care of multiple clients with more complex physiological and psychosocial problems in various settings. Concepts emphasized include: complex medical-surgical alterations in health; principles of trauma and emergency nursing; care of clients and communities during bio terroristic/emergency threats; health care teaching to clients and families; use of home and community resources to influence health; current legal, ethical, and professional issues; and future directions for health care.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: Letter Grade
Course Requirements: PREQ: C or better in NUR 0450

NUR 0525 - ROLE DEVELOPMENT

Minimum Credits: 1
Maximum Credits: 1
This course leads the student to prepare for licensure and employment as a graduate nurse. Discussions include NCLEX preparation strategies, contemporary jobs in nursing, an overview of professional organizations, an overview of advanced nursing education programs and employment opportunities, and support for impaired professionals.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Satisfactory/No Credit
Course Requirements: PREQ or COREQ: C or better in NUR 0450

NUR 1110 - PHARMACOLOGY AND THERAPEUTICS ACROSS THE LIFESPAN

Minimum Credits: 3
Maximum Credits: 3
This course provides an introduction to pharmacology that integrates the concepts of physiology, pathophysiology, chemistry, and nursing fundamentals to build a foundation for administering drug therapy to patients. Using a simple to complex approach, key content areas are presented to help conceptualize the important components related to pharmacology. The basic concepts of pharmacology, such as drug testing and approval, pharmacokinetics and pharmacodynamics, pharmacotherapeutics and toxic effects, dosage calculations, and challenges related to drug therapy, provide the foundation from which drug therapy associated with specific body systems can be addressed. Discussion of the major drug groups focuses on therapeutic actions and indications, mechanism of action, pharmacokinetics, contraindications and precautions, adverse effects, clinically important drug-drug interactions and nursing implications which emphasize the nursing process and focus on patient care and education. Prototypes of the major drug groups are emphasized. Lifespan considerations, evidence for best practice, patient safety, and critical thinking are integrated throughout the course.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

Microbiology

ORBIOL 0031 - MICROBIOLOGY 1

Minimum Credits: 4
Maximum Credits: 4
This is an introductory course in microbiology designed for nursing students with no previous microbiology background. Three major areas included are the microorganisms, the immune mechanisms of the host, and the

interaction of the host and the microorganisms in the disease process and in homeostasis. This course includes a laboratory series which is coordinated with the lecture content. Major emphasis is placed on infectious diseases and infection control at the nursing level.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

ORBIOL 0032 - MICROBIOLOGY 1 LABORATORY

Minimum Credits: 0
Maximum Credits: 0
Content is devoted to the development of student's basic laboratory skills, application of microbiological methods and will emphasize performance, scientific investigation, and safety.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: No Grade Required

Physical Education

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 0048 - RACQUETBALL 1

Minimum Credits: 1
Maximum Credits: 1
This course is designed to introduce the beginner to the significant components of racquetball. Three types of racquetball games, singles, doubles, and cut throat, will be introduced in conjunction with individual skill development. The grip, ready position, racquet swing, service, return of service, and shot making will be covered. Game strategies and rules and regulations will be reviewed.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0049 - BADMINTON

Minimum Credits: 1
Maximum Credits: 1
This course is designed to introduce the beginner to the significant components of badminton. The following basic strokes will be presented in class; forehand and backhand, overhead clear, high singles service, low doubles service, smash and drop. Rules and regulations and strategies for doubles and singles games will be presented.
Academic Career: Undergraduate

Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0050 - RACQUETBALL 2

Minimum Credits: 1
Maximum Credits: 1
This course provides basic stroke mechanics, practice drills, and winning strategies for advanced players with a knowledge of the game of racquetball. Class time will deal in depth with the drive, lob, overhead z-serves, serve returns, back wall play, and training aids. Developing strategies for winning in singles and doubles will be dealt with extensively in class.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0060 - BASKETBALL 1 - CO-EDUCATIONAL

Minimum Credits: 1
Maximum Credits: 1
Supervised competition follows a four-week conditioning period in which individual skills and team strategy are stressed. Opportunity to improve on previously acquired skills and become a team member is provided.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SU3 Elective Basis

PEDC 0065 - VOLLEYBALL

Minimum Credits: 1
Maximum Credits: 1
This course is designed to introduce the beginner to the significant components of volleyball. Basic skills to be taught will include the overhead volley, forearm pass, service, spike, individual block and defensive recovery skills. A 4-2 right-side-setter offensive system will be introduced with a 6-back and a 6-up defensive system. All rules and regulations will be reviewed during the course.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0099 - BASIC ROCK CLIMBING

Minimum Credits: 1
Maximum Credits: 1
Beginning with bouldering, the course will deal primarily with rope handling and moving on vertical rock planes in a safe manner. Covered in this course are bouldering, friction and balance climbing, 3-point suspension, use of ropes, knot craft, body rappelling, free rigging climbs, mountain safety, basic belaying, use of webbing (slings and harnesses), chimney techniques and natural protection.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0108 - PHYSICAL CONDITIONING AND WEIGHT TRAINING 1

Minimum Credits: 1
Maximum Credits: 1
Weight training, aerobic, and flexibility techniques.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0146 - FIRST AID AND CPR

Minimum Credits: 1
Maximum Credits: 1
A laboratory-lecture course in which American red cross techniques of cardiopulmonary resuscitation (CPR) and standard first aid are presented. All students who meet the American red cross standards will receive American red cross certification.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0161 - INDIVIDUAL FITNESS

Minimum Credits: 1
Maximum Credits: 1
Fundamental fitness concepts and appropriate physical activities will be introduced to students. Students will be required to implement and complete a 10-week fitness program.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

PEDC 0171 - FITNESS KICK BOXING

Minimum Credits: 1
Maximum Credits: 1
Our exercise program is based on the concepts of boxing, karate, muay thai kick boxing, and total fitness accompanied by rhythmatic music. Conditioning is focused on the areas of endurance, strength, and flexibility; all of which can bring about positive physical changes in participating students. Aerobic and anaerobic power training with speed bay and heavy bag is part of the training module.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

PEDC 0179 - SELF DEFENSE

Minimum Credits: 1
Maximum Credits: 1
The physical skills and environmental awareness required for realistic self-defense are taught. Suggested methods for dealing with common types of assaults including escapes from positions on the ground are practiced. Emphasis is on simple motor skills not requiring extensive practice for learning and/or retention. Strategies for recognizing and avoiding trouble and the legal aspects of self-defense are also covered.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: LG/SNC Elective Basis

PEDC 0262 - YOGA 1

Minimum Credits: 1
Maximum Credits: 1
An elementary course on the practice and theory of the basic principles of yoga. This class will provide students with a plan to focus on their particular bodies' strengths and weaknesses plus increase flexibility.
Academic Career: Undergraduate
Course Component: Credit Laboratory
Grade Component: Letter Grade

PEDC 0363 - ZUMBA

Minimum Credits: 1
Maximum Credits: 1
Zumba is a one of kind combination of dance and exercise, designed to put "Fun" back into fitness. The zumba workout maximizes caloric output, fat burning, and total body toning. The routines feature aerobic interval training with a combination of fast and slow rhythms that tone and sculpt the body. Exotic and explosive Latin rhythms create a party like atmosphere that delivers results, as well as a "Feel happy" workout. No previous experience in dance is needed to have fun with zumba.
Academic Career: Undergraduate
Course Component: Practicum
Grade Component: Letter Grade

Philosophy

PHIL 0010 - CONCEPTS OF HUMAN NATURE

Minimum Credits: 3
Maximum Credits: 3
An introduction to some ways in which ethical and social thought has been influenced by different views of human nature. Readings are from such authors as Plato, Hobbes, Rousseau, Marx, and Freud.
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
Course Attributes: DSAS Phil. Think or Ethics General Ed. Requirement, SCI Polymathic Contexts: Ethical/Policy GE. Req., West European Studies

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 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
Course Attributes: DSAS Phil. Think or Ethics General Ed. Requirement, SCI Polymathic Contexts: Ethical/Policy GE. Req., West European Studies

PHIL 0360 - INTRODUCTION TO BIOMEDICAL ETHICS

Minimum Credits: 3
Maximum Credits: 3
This introductory level undergraduate course examines various ethical problems arising in medicine, such as euthanasia, abortion, and the allocation of resources.
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
Course Attributes: DSAS Phil. Think or Ethics General Ed. Requirement, Global Studies, SCI Polymathic Contexts: Ethical/Policy GE. Req.

PHIL 0473 - PHILOSOPHY OF RELIGION

Minimum Credits: 3
Maximum Credits: 3
An examination of the arguments for and against the existence of god.
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
Course Attributes: DSAS Quant.-Formal Reason General Ed. Requirement

PHIL 0610 - PHILOSOPHY AND SCIENCE

Minimum Credits: 3
Maximum Credits: 3
An introductory course in philosophy of science.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

PHIL 1303 - EASTERN PHILOSOPHY

Minimum Credits: 3
Maximum Credits: 3
The theory and practice of Hinduism, Buddhism, Taoism, Zen Buddhism, and Sufism, and comparisons with Western philosophies and religions.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

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

PHIL 1612 - PHIL OF 20TH CENTURY PHYSICS

Minimum Credits: 3
Maximum Credits: 3
An examination of the fascinating philosophical problems to which modern physical theories have given rise. No previous formal training in physics or mathematics will be presupposed, since the basic physical ideas needed will be introduced largely qualitatively with an emphasis on concepts rather than equations. Topics will vary from year to year with instructor, but center around classical mechanics, quantum mechanics, and relativity theory.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Physics

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: PREREQ: C- or better in MATH 0031
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

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
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

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: PREQ or CREQ: MATH 0220
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

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: REQ: PHYS 0174 and COREQ or PREQ: MATH 0230
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req., SCI Polymathic Contexts: Science Seq.GE. Req.

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: CREQ: PHYS 0111

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
Course Requirements: CREQ: PHYS 0175

Physical Therapist Assistant

PHYSTA 0110 - INTRODUCTION TO PHYSICAL THERAPY

Minimum Credits: 3
Maximum Credits: 3
Introduces the PTA student to many aspects of physical therapy including the PT/PTA relationship, communication, the history of physical therapy, the APTA, scope of practice, ethical principles, laws and standards which affect the student, health care team roles, professional development, documentation, liability and confidentiality. Students are exposed to basic administration principles and continuous quality improvement. Students learn about universal precautions, taking vital signs, and application of therapeutic heat and cold.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

PHYSTA 0221 - PTA PRINCIPLES AND PROCEDURES 1

Minimum Credits: 3
Maximum Credits: 3
Instructs the student in the application of therapeutic modalities, gait training, wheelchair training, and identification of architectural barriers/environmental modifications. Students also learn how to document services rendered, how to participate in discharge planning, how to provide psychosocial support, and how to educate patients and families. Emphasis is placed on communication skills and ethical practice. Successful completion of the competency checklist is required to pass this course.
Academic Career: Undergraduate

Course Component: Lecture
Grade Component: Letter Grade

PHYSTA 0222 - PTA PRINCIPLES AND PROCEDURES 2

Minimum Credits: 4
Maximum Credits: 4
Instructs the student in basic assessment skills, therapeutic exercise, and activities of daily living. Students learn procedures for pulmonary hygiene and wound care. Students receive further instruction on psychosocial support, patient/family education, ethics, communication, and documentation. Successful completion of the competency checklist is required to pass this course.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

PHYSTA 0223 - PTA PRINCIPLES AND PROCEDURES 3

Minimum Credits: 4
Maximum Credits: 4
Provides instruction in electrical stimulation and biofeedback. Students learn to treat patients who present with orthopedic, neurologic, and pediatric problems. Students receive further instruction in psychosocial support, documentation, ethical behavior, patient/family education, and communication.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

PHYSTA 0224 - PTA PRINCIPLES AND PROCEDURES 4

Minimum Credits: 4
Maximum Credits: 4
Provides laboratory instruction for the treatment of patients with orthopedic, neurologic, and pediatric problems. Students learn the developmental sequence and how it applies to treatment. Students learn advanced therapeutic exercise techniques. Students receive further instruction in psychosocial support, documentation, ethical behavior, patient/ family education and communication. Successful completion of the competency checklist is required to pass this course.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

PHYSTA 0250 - THERAPEUTIC EXERCISE

Minimum Credits: 1
Maximum Credits: 1
This course will provide students with information relative for implementing, analyzing, and modifying individual and group exercise, with emphasis on strengthening, flexibility, balance, endurance, and stability.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: Letter Grade

PHYSTA 0331 - CLINICAL EDUCATION 1

Minimum Credits: 4
Maximum Credits: 4
A full-time field assignment.
Academic Career: Undergraduate
Course Component: Clinical
Grade Component: Satisfactory/No Credit

PHYSTA 0332 - CLINICAL EDUCATION 2

Minimum Credits: 6
Maximum Credits: 6
A full-time field assignment.
Academic Career: Undergraduate
Course Component: Clinical
Grade Component: Satisfactory/No Credit

PHYSTA 0333 - CLINICAL EDUCATION 3

Minimum Credits: 6
Maximum Credits: 6
A full-time field assignment.
Academic Career: Undergraduate
Course Component: Clinical
Grade Component: Satisfactory/No Credit

PHYSTA 0350 - NATIONAL PHYSICAL THERAPIST ASSISTANT EXAMINATION REVIEW

Minimum Credits: 1
Maximum Credits: 1
This course will provide students with the opportunity to engage in discussion board review sessions, mock board examinations, and other online learning opportunities to enhance preparation for the National Physical Therapist Assistant Board Examination (NPTAE); Hybrid course with both online and in classroom meeting.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: H/S/U Basis

PHYSTA 0440 - PROFESSIONAL ISSUES SEMINAR

Minimum Credits: 1
Maximum Credits: 1
Designed to provide the student with additional information in conjunction with their full-time affiliations. Topics may vary depending on issues raised from students while in the clinic. Topics may include: licensure, teaching methods, research, documentation, advances in the field, changes in legislation, insurance issues, etc.
Academic Career: Undergraduate
Course Component: Seminar
Grade Component: H/S/U Basis

Political Science

PS 0197 - DIRECTED STUDY

Minimum Credits: 1
Maximum Credits: 6
Directed study is designed to give students the opportunity to design and carry out a research project 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
Course Attributes: DSAS Social Science General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req.

PS 0205 - LAW AND THE COURTS

Minimum Credits: 3
Maximum Credits: 3
This course examines the major components of the American legal system, including the police, the law profession, prosecutors and public defenders, state and federal courts, plus the impact of the Supreme Court on the American political system. Emphasis is on the realities of the legal process in operation - how it affects the "who gets what" question.
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
Course Attributes: DSAS Global Issues General Ed. Requirement, DSAS Social Science General Ed. Requirement,

Global Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

PS 0500 - INTERNATIONAL RELATIONS

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
Course Attributes: DSAS Global Issues General Ed. Requirement, DSAS Social Science General Ed. Requirement, Global Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

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
Course Attributes: DSAS Phil. Think or Ethics General Ed. Requirement, Global Studies, SCI Polymathic Contexts: Ethical/Policy GE. Req., West European Studies

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 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

PS 1262 - HEALTH POLICY IN UNITED STATES

Minimum Credits: 3
Maximum Credits: 3
This course is an introduction to current problems of health care and health policy in the United States. Description and analysis of the proposals, current practices, and the reactions of interest groups will be the central theme of the course.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

PS 1341 - GOVERNMENT AND POLITICS USSR/RUSSIAN FEDERATION

Minimum Credits: 3
Maximum Credits: 3
A survey of the political systems in the USSR (1917-1991) and its major successor, the Russian Federation (1991-present). The first section deals with the period from the Bolshevik Revolution in 1917 until the mid-1980s. The second section examines the efforts to reform the political system under general Secretary Gorbachev. The final section deals with the collapse of the USSR in 1991 and the subsequent development of the Russian Federation as an independent state.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

PS 1810 - 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

Psychology

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
Course Attributes: DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req.

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 or 0101 or 0200

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 or 0101 or 0200
Course Attributes: DSAS Social Science General Ed. Requirement

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
Course Requirements: PREQ: PSY 0010 or 0012 or 0105 or 0101 or 0200 or 0203 or 0210

PSY 0203 - SOCIAL PSYCHOLOGY

Minimum Credits: 3
Maximum Credits: 3
An examination of the effects of people on other people, social factors in attitude formation and change, person perception, social influence, and interpersonal relations (e.g. affiliation, aggression, and altruism).
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREQ: PSY 0010 or PSY 0101

PSY 0265 - DATA ANALYSIS AND RESEARCH WRITING

Minimum Credits: 3
Maximum Credits: 3
This course covers SPSS data analyses and the introduction to the writing style required by the American psychological association. (APA style)
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Requirements: PREREQ: STAT 1000

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 or 0101 or 0200
Course Attributes: Childrens Literature

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
Course Requirements: PREQ: PSY 0010 or 0012 or 0015 or 0101 or 0200
Course Attributes: Childrens Literature, DSAS Natural Science General Ed. Requirement, SCI Polymathic Contexts: Science NonSeq.GE. Req.

PSY 1050 - TOPICS IN PSYCHOLOGY

Minimum Credits: 3
Maximum Credits: 3
A topics course. Content will vary from term to term depending on instructor.
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 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: PSY 0010

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
Course Requirements: PREQ: (PSY 0010 or 0012 or 0015 or 0101 or 0200) and (PSY 0310 or 0202 or 0230)

Education, Psychology in Education

PSYED 0005 - LIFE SPAN DEVELOPMENT

Minimum Credits: 3
Maximum Credits: 3
This course follows the developing person from conception until the end of life. The course combines theory, research and practical applications from developmental psychology. Lecture topics include genetic influences on development; prenatal and birth factors; physical, cognitive, social, personality, and cultural variables which influence development in infancy, childhood, adolescence, early-, middle-, and late adulthood.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: Letter Grade

Religious Studies

RELGST 0115 - 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
Course Attributes: DSAS Literature General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Humanistic GE. Req.

RELGST 0135 - CHRISTIAN BIBLE

Minimum Credits: 3
Maximum Credits: 3
An introduction to the text of the Christian bible.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: SCI Polymathic Contexts: Soc/Behav. GE. Req.

RELGST 0283 - US AND THE HOLOCAUST

Minimum Credits: 3
Maximum Credits: 3
With increasing interest in the Holocaust in Europe, this course focuses on the American side of the Atlantic - on issues of anti-Semitism and anti-immigrant sentiment in this country and on America's response to the holocaust. We will also look at some post-Holocaust issues as well.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Diversity General Ed. Requirement, DSAS Historical Analysis General Ed. Requirement, Global Studies, SCI Diversity General Ed. Requirements, SCI Polymathic Contexts: Soc/Behav. GE. Req., West European Studies

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 0415 - RELIGION IN MODERN AMERICA

Minimum Credits: 3
Maximum Credits: 3
The course examines the impact of religion as a moral, intellectual, and institutional force in America from 1865 to the present. Despite claims that the nation was becoming less religious, at least seven new religions were founded in the U.S. After the civil war, while millions of migrants from southern and eastern Europe brought large numbers of Catholics and Jews to challenge the dominance of protestants. We seek to understand how religions have both shaped and reflected economic, social, and cultural conditions in the united states. The course combines lecture with student discussion of religious conflicts and critical moments of cultural change, using primary sources and secondary interpreters. We also engage documentary films, slides, and local museums and historical sites. Major emphases include religious responses to intellectual, scientific, and economic change, including biblical criticism, evolutionary theory, immigration, urbanization, industrialization, Marxism, fascism, racism, and feminism. We conclude with questions about the present day: is the united states an exception for its high levels of religious behavior or is secularism on the rise?
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
Course Attributes: DSAS Geographic Region General Ed. Requirement, Global Studies, Medieval & Renaissance Studies, Russian & East European Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Soc/Behav. GE. Req.

RELGST 0715 - PHILOSOPHY OF RELIGION

Minimum Credits: 3
Maximum Credits: 3
An examination of the arguments for and against the existence of God.
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 1130 - VARIETIES OF EARLY CHRISTIANITY

Minimum Credits: 3
Maximum Credits: 3
This course will examine the many different and often competing forms of Christianity that existed during the first five centuries of our common era. We will include an historical survey of Mediterranean culture and society in the historical Roman Empire to help us understand the ways in which Christianity developed in relation to the philosophical, sociological, theological, and political environment of this period. We will also focus on the contribution of the early varieties of Christianity to modern Western views of the relationship between the individual body and society. The literature of this period represents a broad variety of beliefs and practices ranging from philosophical views of god and matter (and the nature of each), to notions of life-long celibacy.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

RELGST 1144 - 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
Course Attributes: DSAS Geographic Region General Ed. Requirement, DSAS Literature General Ed. Requirement, Medieval & Renaissance Studies, SCI Polymathic Contexts: Global&Cross Cul GE. Req., SCI Polymathic Contexts: Humanistic GE. Req., West European Studies

Russian

RUSS 0800 - MASTERPIECES 19TH CENTURY RUSSIAN LITERATURE

Minimum Credits: 3
Maximum Credits: 3
This course will focus on selected masterpieces of Russian literature of the nineteenth century. The chosen works will be studied and discussed for their intrinsic literary value and as examples of main literary trends. Readings will include short stories by Pushkin, Gogol, Leskov, and Chekov, as well as Gogol's novel "Dead Souls", Dostoevsky's "Crime and Punishment", and Tolstoy's "War and Peace".
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

RUSS 0870 - RUSSIAN FILM: EISENSTEIN AND COMPANY

Minimum Credits: 3
Maximum Credits: 3
The course presents the history of Russian and Soviet films, filmmaking, and the film industry from the coronation of Tsar Nicholas II to the death of Stalin.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Studio Arts

SA 0120 - PAINTING STUDIO 1

Minimum Credits: 3
Maximum Credits: 3
This course is an introduction to oil painting that emphasizes color mixing, painting techniques, and composition. The purpose of the course is to promote sensitivity to color interaction, advance technical and compositional skills, and provide a basis for creative growth and expression.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Creative Work General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.

SA 0130 - DRAWING STUDIO 1

Minimum Credits: 3
Maximum Credits: 3
This course provides a comprehensive introduction to observational drawing. The coursework follows a sequence of exercises in various media that introduce basic drawing skills, techniques, and composition through observation and analysis of natural and manufactured forms. The course culminates with an introduction to the human figure.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis
Course Attributes: DSAS Creative Work General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.

Sociology

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 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
Course Attributes: DSAS Social Science General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req.

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 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
Course Attributes: Childrens Literature, DSAS Social Science General Ed. Requirement

SOC 0446 - SOCIOLOGY OF GENDER

Minimum Credits: 3
Maximum Credits: 3
This course will analyze the various processes and institutions through which gender roles are defined and shaped in our society. It will analyze the interaction between individual conceptions of gender and larger social institutions such as the family, the workforce, the media, religion, etc. The current changes in these roles will be related to changes in other social institutions. We will also examine the multiple forms of inequality in our society--based on sex, race, class, and sexual preference--and see how they interact.
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
Course Attributes: DSAS Social Science General Ed. Requirement, SCI Polymathic Contexts: Soc/Behav. GE. Req., Urban Studies

SOC 0472 - INTRODUCTION TO CRIMINOLOGY

Minimum Credits: 3
Maximum Credits: 3
Criminology refers to the scientific study of crime, its causes, and social responses to it. This course provides a broad overview of the study of crime. It examines the legal definitions and elements of crime; surveys the major categories of crime, i.e. predatory and non-predatory acts; reviews the major measures of crime; identifies the major correlates of crime, reviews and assesses the major theories of crime; differentiates types of offenders and explores various dimensions of their offending; and examines and evaluates the workings of the criminal justice system.
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 1316 - SOCIAL AND CULTURAL CHANGE

Minimum Credits: 3
Maximum Credits: 3
This course presents sociology from a global perspective in three ways: it focuses on social change as a critical factor in understanding society today, it uses a cross international approach to compare nations and regions of the world, it examines the ties between societies and the manner in which these relationships create a global society.
Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Spanish

SPAN 0001 - ELEMENTARY SPANISH 1

Minimum Credits: 3
Maximum Credits: 3
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

SPAN 0101 - ELEMENTARY SPANISH 1

Minimum Credits: 3
Maximum Credits: 3
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 0102 - ELEMENTARY SPANISH 2

Minimum Credits: 3
Maximum Credits: 3
A continuation of Elementary Spanish 1, training in spoken and written Spanish.

Academic Career: Undergraduate
Course Component: Lecture
Grade Component: LG/SNC Elective Basis

Statistics

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: C- or better in MATH 0031 or MATH 0110
Course Attributes: DSAS Quant.-Formal Reason General Ed. Requirement, SCI Quantitative: Statistics GE. Req.

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: PREQ: MATH 0120 or MATH 0220

Theatre Arts

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
Course Attributes: DSAS Creative Work General Ed. Requirement, SCI Polymathic Contexts: Humanistic GE. Req.